

Annual reports of the statistical committee and the medical superintendents of the infectious hospitals and imbecile asylums, for the year 1887 / Metropolitan Asylums' Board.

Contributors

Metropolitan Asylums Board (London, England). Statistical Committee.
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Metropolitan Asylums Board.

ANNUAL REPORTS

OF THE

STATISTICAL COMMITTEE

AND THE

MEDICAL SUPERINTENDENTS

OF THE

Infectious Hospitals and Imbecile Asylums

FOR THE YEAR 1887.

[Ordered by the Board to be printed on 16th June, 1888.]

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TABLE OF CONTENTS.

REPORT OF THE STATISTICAL COMMITTEE, PAGES 5 TO 16.

REPORTS OF MEDICAL SUPERINTENDENTS :—

<i>Infectious Hospitals.</i>								Pages
No. 1	Eastern Hospital	...	...	...	...	...	...	17, 18
No. 2	Plaistow Hospital	...	...	...	...	...	...	19, 20
No. 3	North-Western Hospital	...	...	...	...	...	...	21-25
No. 4	Western Hospital	...	...	...	...	...	...	26-35
No. 5	South-Western Hospital	...	...	...	...	...	...	36, 37
No. 6	South-Eastern Hospital	...	...	...	...	...	...	38-40
No. 7	Northern Hospital	...	...	...	...	...	...	41
No. 8	Hospital Ships	...	...	...	...	...	...	42-49
	Fever Statistics	...	...	...	...	...	...	50-63
	„ „ (Complications of Scarlet and Enteric Fever Cases	...	...	...	...	...	...	64-77
	Smallpox Statistics	...	...	...	...	...	...	78-82
<i>Imbecile Asylums.</i>								
No. 9	Leavesden Asylum	...	...	...	...	...	...	83-85
No. 10	Caterham Asylum...	...	...	...	...	...	...	86-89
No. 11	Darenth Asylum	...	...	...	...	...	...	90, 91
No. 12	Darenth Schools	...	...	...	...	...	...	92-95
	Lunacy Statistics—Asylums for Adults	96-117
	„ „ —Schools for Imbecile Children	118-124

STATISTICAL COMMITTEE.

1887.

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CHIEF OFFICES—Norfolk House, Norfolk Street, Strand, London, W.C.

Metropolitan Asylums' Board.

REPORT OF THE STATISTICAL COMMITTEE ON THE WORK OF THE YEAR 1887.

11th May, 1888.

COMMITTEE'S POWERS.

In submitting its First Annual Report, the Statistical Committee think it desirable to recapitulate the powers vested in it upon its appointment by the Board on the 26th March, 1887, viz.:—

- (1.) To collate statistical information as to the operations of the Board, including the statistics attached to the Annual Reports of the Medical Superintendents of the Board's Hospitals and Asylums, and such statistics as may be available from the commencement of the operations of the Board.
- (2.) To revise and report upon the present method of keeping the records of the treatment of patients in the Board's Hospitals, and to periodically tabulate such records.
- (3.) To prepare statistics as to the results of modes of treatment in the Board's Hospitals.
- (4.) To establish an uniform system of recording the vaccination of Smallpox patients.
- (5.) To record and report from time to time upon any statistical points relating to the practical treatment or prevention of the diseases dealt with in the Board's Hospitals.

WORK DONE DURING THE YEAR.

The work accomplished by the Committee during the year has included:—

- (1.) The drawing up of revised forms of bed-cards, and temperature charts for use in the several Infectious Hospitals; the cards for Smallpox patients including records of vaccination marks.
- (2.) Drawing up of a register card to accompany patients from date of admission to that of death or discharge, following the patient when transferred to any convalescent hospital, and being eventually sent to the Chief Office, and there preserved for purposes of reference.
- (3.) Regulations relative to the preparation of Fever and Smallpox returns, &c.

In order to efficiently carry out these reforms, the Committee recognised the desirability of availing themselves of the valuable advice and experience

of the Local Government Board and the Medical Superintendents of the Managers' Hospitals.

The forms were accordingly agreed upon after several meetings of the Committee, at which Dr. Bridges, of the Local Government Board, and the Medical Superintendents attended by invitation. They were adopted by the Board and are in use in all its Hospitals.

- (4.) The organisation of a system of clerical assistance to the Medical Superintendents during times of epidemic, whereby they will be relieved of some portion of their strictly non-professional clerical work, and have more time to make the professional observations necessary for recording the matter included in the charts and cards (adopted by the Board on 14th January, 1888).
- (5.) The collection, in the present conveniently sized volume, of the Annual Reports of the Medical Superintendents, and the collation of the statistical information appended thereto in sets of tables with summaries. These Reports and Tables are arranged in three divisions, referring respectively to :—

I. Fever	...	...	pages 17 to 41 and 50 to 77.
II. Smallpox	...	...	pages 42 to 49 and 78 to 82.
III. Imbecility	...	...	pages 83 to 124.

ANNUAL REPORTS, 1887.

I. FEVER.—Referring to the Reports of the Medical Superintendents, the Committee desire to draw special attention to the observations therein contained on the following subjects :—

- (a) THE PRACTICE OF DISCHARGING NURSES immediately a reduction in the number of patients under treatment takes place, entailing the necessity of appointing a new nursing staff when the numbers again increase.

The objections to this, commented upon by some of the Medical Superintendents, are, firstly, the place of nurses who have acquired immunity from disease is filled by those who have not a similar immunity ; and, secondly, the difficulty of selecting, at short notice, a new nursing staff of the character and capacity required. (See pp. 17, 24, 33, and 39).

The following return, extracted from returns which the Committee obtained from the various Hospitals, shows that a total of no less than 64 officials contracted fever, and were warded during the year for a total of 2,798 days :—

Return of Nurses and other Servants off duty through illness during 1887.

NUMBER OF OFFICERS.	Number of days warded.	Nature of Illness.	RESULT
4 Nurses... ..	195	Scarlet	Recovered.
14 Assistant Nurses	844	"	"
10 Ward Servants ...	427	"	1 still warded, rest recovered.
1 Messroom-maid...	6	"	Still warded on 31st Dec.
1 Housemaid... ..	72	"	Recovered.
1 Laundryman ...	34	"	"
1 Stoker... ..	55	"	"
3 Nurses	171	Typhus	"
1 Assistant Nurse...	66	"	"
1 Ward Servant ...	12	"	Died.
2 Nurses... ..	305	Enteric	Recovered.
1 Assistant Nurse...	75	"	"
2 Ward Servants ...	194	"	1 died, 1 recovered.
1 Nurse	13	Febricula	Recovered.
3 Assistant Nurses	23	"	"
10 Ward Servants ...	85	"	"
1 " Servant ...	68	"	"
1 Stoker... ..	53	Measles... ..	"
1 Assistant Nurse...	34	Diphtheria	"
2 Ward Servants ...	34	"	"
1 Assistant Nurse...	21	Variola... ..	"
1 " " ...	7	Pyrexia... ..	"
1 Ward Servant ...	4	"	"
64	2,798		
9 Nurses	97	Tonsillitis	"
18 Assistant Nurses	121	"	"
26 Ward Servants ...	215	"	"
1 Kitchenmaid ...	6	"	"
1 Laundrymaid ...	19	"	"
2 Porters	10	"	"
1 Nurse	4	Sore Throat... ..	"
1 "	6	Ulcerated "	"
1 Assistant Nurse...	5	Relaxed "	"
1 " " ...	12	Ophthalmia... ..	"
1 Ward Servant ...	5	"	"
1 Nurse	16	Acute Conjunctivitis	"
1 "	8	Coryza and Cephalalgia	"
1 Assistant Nurse...	9	Cephalalgia	"
1 Cook	40	Apoplexy	"
5 Nurses... ..	63	Bronchitis	"
1 Laundrymaid ...	7	"	"
1 Housemaid... ..	8	"	"
1 Ward Servant ...	20	" and Debility	Improved.
1 Assistant Nurse...	53	Phthisis	"
1 Ward Servant ...	24	"	"
1 Needlewoman ...	10	"	"
1 Porter... ..	53	"	Died.
1 Ward Servant ...	71	Incipient Phthisis	Recovered.
1 Nurse	4	Pneumonia	Died.
1 "	7	Pleuritis	Recovered.
1 Assistant Nurse...	6	"	"
1 Ward Servant ...	28	"	"
1 Nurse	16	Asthma... ..	"
1 Assistant Nurse...	2	Pleurodynia	"
3 Ward Servants ...	25	"	"
1 Ward Servant ...	13	Acute Tuberculosis	Died.
1 " " ...	6	Bronchial Catarrh	Recovered.
1 Nurse	56	Gastric Ulcer	"
4 Assistant Nurses	172	"	"
2 Nurses... ..	15	Dyspepsia	"
161	4,030		

Return of Nurses and other Servants off duty through illness during 1887—continued.

NUMBER OF OFFICERS.	Number of days warded.	Nature of Illness.	RESULT.
161 Bt. for.	4,030		
6 Assistant Nurses	40	Dyspepsia	Recovered.
10 Ward Servants ...	84	"	9 recovered; 1 improved.
1 Laundrymaid ...	4	"	Recovered.
1 Kitchenmaid ...	7	"	"
1 Needlewoman ...	7	"	"
1 Assistant Nurse...	7	Icterus	"
1 " " ...	6	Diarrhoea	"
1 Ward Servant ...	4	"	"
1 Nurse	24	" and Rubeola	"
1 Assistant Nurse...	5	Lumbago	"
1 Porter... ..	6	"	"
1 Assistant Nurse...	2	Constipation	"
1 Ward Servant ...	5	"	"
1 Assistant Nurse...	3	Colic	"
2 Assistant Nurses	10	Catarrh	"
1 Ward Servant ...	3	"	"
1 " " ...	17	Sub-Acute Peritonitis	"
1 " " ...	66	Nephritis	"
1 Porter... ..	33	"	"
1 " " ...	6	Vesical Catarrh	"
1 Ward Servant ...	3	Bilious Attack	"
1 Nurse	5	Debility	"
1 Housemaid... ..	8	"	"
1 Nurse	5	Dysmenorrhœa	"
1 " " ...	4	Rheumatism	"
2 Ward Servants ...	12	"	"
1 Laundrymaid ...	84	"	"
1 Assistant Nurse...	16	"	"
1 " " ...	1	Anæmia	"
4 Ward Servants ...	36	"	3 recovered, 1 improved.
1 Assistant Nurse ...	7	Hysteria	Recovered.
3 Nurses... ..	59	Erysipelas	"
1 Ward Servant ...	19	"	"
1 Nurse	11	Injury from fall	"
1 " " ...	12	Synovitis of Knee	"
1 Ward Servant ...	64	"	"
1 Nurse	10	Inflammation of Breast	"
1 " " ...	2	Injured Foot	"
2 Assistant Nurses..	12	Abscess... ..	"
1 Assistant Nurse...	30	Morbus Inguinalis	"
1 " " ...	5	Effects of Cowpox Inoculation...	"
1 Ward Servant ...	3	Inflamed Arm, Vaccination ...	"
1 " " ...	8	Dermatitis after Revaccination	"
1 Assistant Nurse...	10	Injury to Side	"
1 " " ...	5	Poisoned Hand	"
1 " " ...	6	Onychia of Toes... ..	"
1 Kitchenmaid ...	4	Onychia	"
1 Ward Servant ...	8	"	"
1 " " ...	11	Housemaid's Knee	"
1 " " ...	8	Abscess of Hand... ..	"
1 " " ...	7	Caries Dentis	"
2 " " ...	11	Splinters in Fingers	"
1 Laundrymaid ...	9	Abscess of Jaw	"
1 Porter	23	Fractured Leg	"
1 Messenger	5	Concussion	"
1 Porter... ..	4	Alveolar Abscess... ..	"
240 Total.	4,896	Total.	

Total number of Subordinate Officials employed at the several Fever Hospitals during the year, 1,103; of whom 21.7 per cent. were warded for an average of slightly over 20 days.

That illness should prevail amongst the staff involves considerable loss of service, and entails expense to the ratepayers. Much of this is inevitable, but it has been suggested that the amount of illness might be reduced if the Managers were to retain, in non-epidemic times, a greater number of "seasoned" nurses and other servants.

So far as the Officers are concerned, they are aware of the risk they run when entering the Managers' service, and that it is recognised by the Managers in the payment of slightly higher wages than are paid at Hospitals where infectious diseases are not treated. As regards nurses, in order to encourage their return to the Managers' service after discharge on reduction of staff, and to give them some of the advantages of permanent employment, previous service is taken into consideration in fixing their wages when re-engaged.

- (b) **EXCEPTIONAL DEMAND FOR HOSPITAL ACCOMMODATION AND THE MEANS TAKEN TO PROVIDE IT.**—The most remarkable feature of the year's work was the extraordinary rise in the total number of Scarlet Fever cases treated. This number was about three times more than that of any year since the establishment of the Board's Hospitals, and it will be interesting to review the course which the disease pursued and the measures taken by the Managers from time to time to provide for the increasing number of patients.

On the 17th April there were only 368 Scarlet Fever cases in the three Hospitals of the Board then open, viz., the Eastern, Western, and South-Eastern Hospitals. The admissions, however, gradually increased until, on the 30th July, the number under treatment had risen to 593, whereupon, on the recommendation of the Ambulance Committee, the Board ordered the North-Western Hospital to be opened. The admissions continued at an accelerated rate, and necessitated the opening in succession of the South-Western Hospitals on the 5th September, and the Northern Hospital (for convalescing patients) on the 17th September. Even with the additions thus made to the accommodation for Scarlet Fever patients it was evident that more provision would be needed. This was obtained by the diversion of existing buildings from other uses, by the erection of wooden pavilions and more temporary wooden huts at the North-Western, Eastern, and South-Western Hospitals, and lastly, by the acquisition of the Plaistow Hospital belonging the Poplar District Board of Works.

An excellent description of the huts erected at the North-

Western Hospital will be found in Dr. Gayton's Report, pages 21-23, together with details of the difficulties experienced in providing the administration for the extra accommodation.

The accompanying chart illustrates the rapid increase in the number of patients under treatment and the expeditious manner in which the Managers extended their accommodation just sufficiently to keep pace with the increasing number of patients.

The *maximum* number of scarlet fever patients under treatment at any one time was reached on the 23rd November, and was four times that of any previous year. The following is the daily return of patients remaining in the several Fever Hospitals of the Board at midnight on that date :—

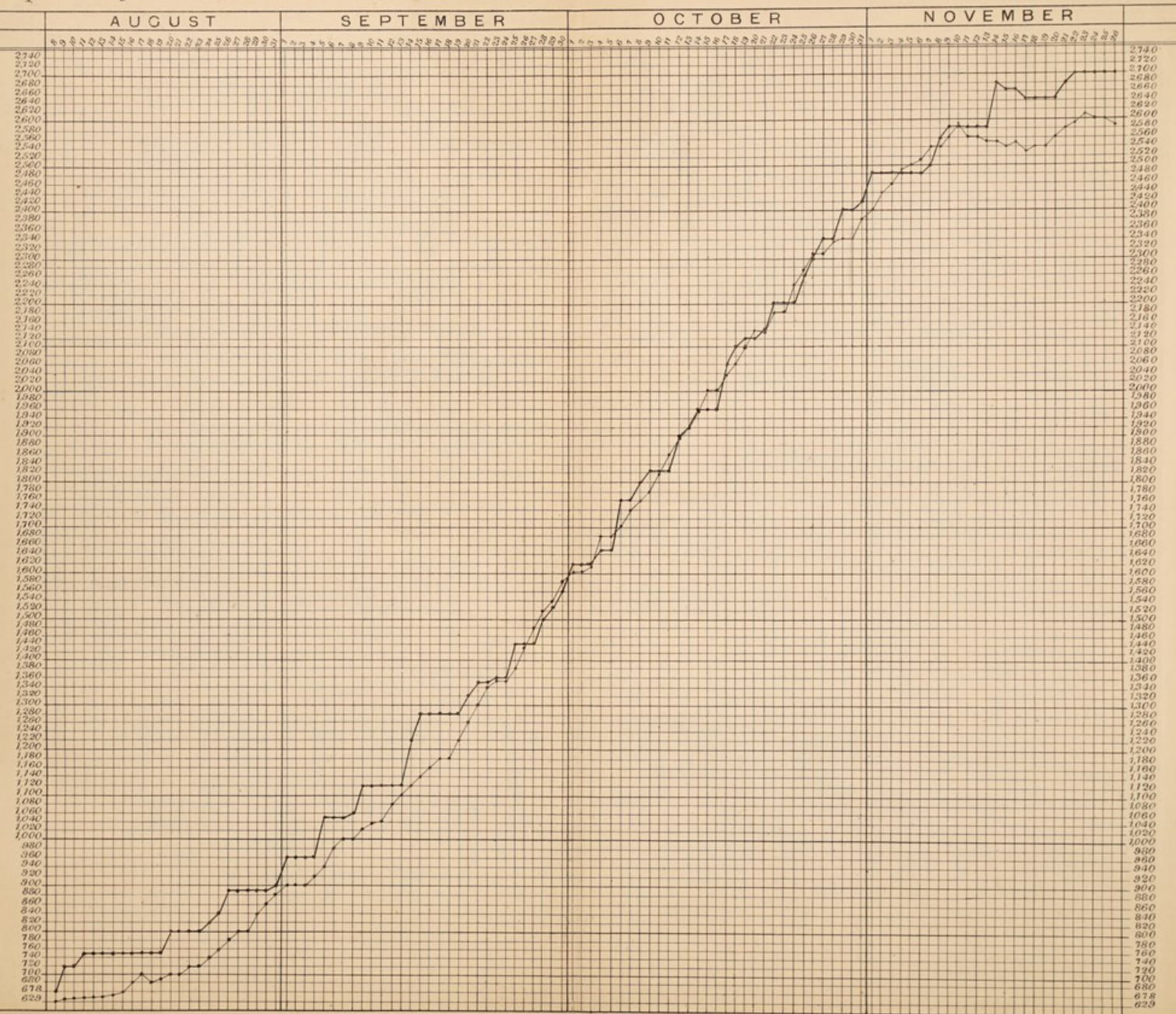
HOSPITAL.	Beds occupied.				Further beds ready for the reception of Patients.				Beds in reserve which can be made available for Patients as may be required.	Beds reserved for isolation purposes.	Total Accommodation.	
	Scarlet.	Typhus.	Enteric.	Other Diseases.	Total.	Scarlet.	Typhus.	Enteric.				Total.
Eastern Hospital ...	415	...	80	22	517	34	...	...	34	...	...	542
Plaistow ,, ...	75	...	...	1	76	25	...	...	25	...	...	100
North-Western ,, ...	400	...	...	...	400	35	...	...	35	...	...	435
Western ,, ...	227	...	19	2	248	3	...	5	8	...	6	262
South-Western ,, ...	401	...	...	1	402	...	...	...	...	...	7	402
South-Eastern ,, ...	373	...	49	4	426	...	...	...	...	...	13	437
Northern ,, ...	720	...	...	...	720	...	...	...	...	...	...	720
Totals	2,611	...	148	30	2,789	97	...	5	102	...	26	2,898

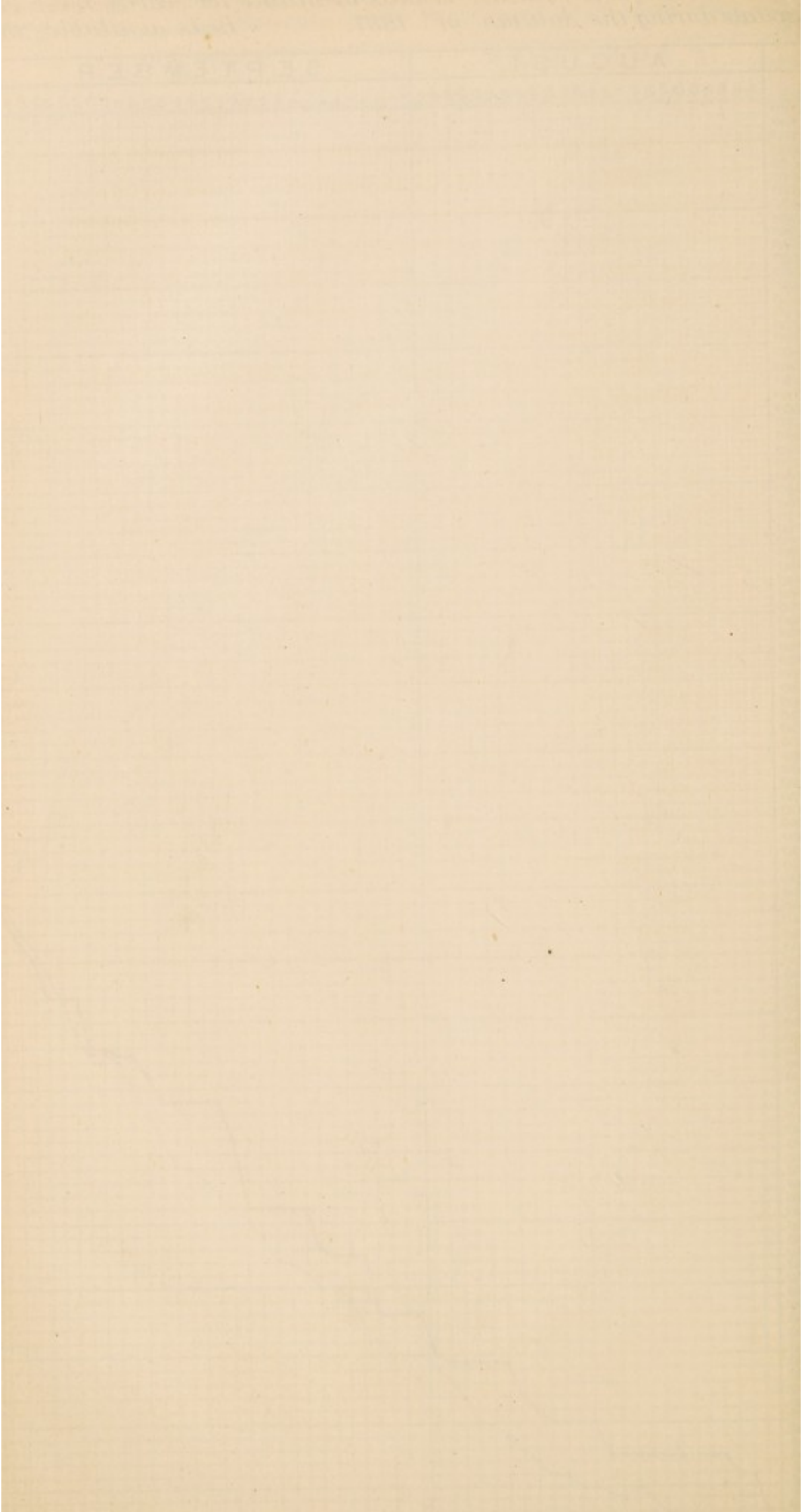
By the means which have been described all cases for whose admission application was made were received, but the Managers were compelled to temporarily reduce the accommodation which is usually set apart for Enteric and other Fevers to an undesirably low figure ; so much so, that a sudden outbreak of typhus fever might have placed the Managers in considerable difficulty. As it was, they were compelled to erect, at short notice, a wooden Pavilion at the South-Eastern Hospital, for the accommodation of enteric fever cases.

Although there is evidence that the prevalence of scarlet fever was greater during 1887 than in the preceding two years, yet such prevalence was not in itself sufficient to account for the abnormal number of cases admitted to the Managers' Hospitals.

It is probable that the increase was partly due to the impulse

Chart showing the number of beds available for Scarlet fever cases and number of patients actually under treatment in the Managers' Hospitals during the Autumn of 1887. Beds available, thick black line, Patients under treatment, thin black line.





given to the increasing tendency on the part of the inhabitants of the Metropolis to avail themselves of the means of isolation provided in the Managers' Hospitals, by the issue by the Local Government Board, in July, of an order authorising the admission of patients upon the order of a Relieving Officer, or Master of a Workhouse, accompanied by a certificate signed by a Poor Law Medical Officer, or by any registered medical practitioner.

The following observations made by the Registrar-General in his last-issued Annual Summary tend to confirm this view:—

“The deaths from Scarlet Fever numbered 1,447, giving a rate at 0·34 per 1,000. This rate was higher than in either of the two preceding years, 1885 and 1886; higher also than in the years 1872 and 1873; but, with these four exceptions, was lower than in any single year included in our records of this disease, which go back to 1859 (Table XIII.); and 28 per cent. below the decennial average, which was 0·47 per 1,000 (Table IV.) But, though the mortality was thus exceptionally low, much alarm was entertained as to this disease in the autumn and winter, the general public having been led to form an exaggerated idea of its prevalence. This was partly due to the fact that the disease was, as already noted, somewhat more prevalent than in either of the two immediately preceding years, 1885 and 1886, but was in the main attributable to the severe strain to which the Managers of the Metropolitan Hospitals were subjected in order to meet the increased demand for hospital accommodation. For, as we pointed out in the Annual Summaries both for 1885 and 1886, there is a rapidly increasing tendency on the part of Londoners to avail themselves in case of Scarlet Fever of the means of isolation provided by the Metropolitan Hospitals. This is shown by the increasing proportion borne by the hospital deaths to the deaths outside those Institutions. Thus, in 1878, to repeat figures given in the last summary, the deaths from Scarlet Fever in the London Fever and Metropolitan Asylum Hospitals were only 7 per cent. of the whole mortality from that disease in London; in 1879–82 they were from 9 to 11 per cent.; in 1883 the percentage rose to 13·2; in 1884 to 17·6; in 1885 to 20·2; in 1886 to 22·7; while finally, in 1887, it reached the high figure of 36·6; that is to say, considerably more than a third of the deaths from this disease in 1877 occurred in these hospitals.

“It may, however, be supposed that, although the Scarlet Fever mortality was below the average when the whole year is taken into account, yet it was unusually prevalent in the shorter period in which the epidemic occurred, namely, in the latter half of the year. But even this was not the case; for the deaths registered in the six months, July to December, were only 1,084, whereas, according to the decennial average, they would have been 1,185.

“Assuming the case-mortality in the hospitals to represent the case-mortality in the whole of London, the total number of cases of Scarlet Fever of equal severity to those admitted into hospital must have been as follows in each of the last eight years:—

“ 1880	...	28,039 cases.	1884	...	13,912 cases.
“ 1881	...	21,376 „	1885	...	8,886 „
“ 1882	...	23,194 „	1886	...	8,185 „
“ 1883	...	18,748 „	1887	...	12,841 „

(c.) SCARLATINAL ALBUMINURIA, INCREASE OF.—Referring to Dr. Sweeting's observations with reference to the increase of Scarlatinal Albuminuria at the Western Hospital during the latter half of the year (see pp. 28-32), the Committee desire to mention that the General Purposes Committee, on the 6th December, 1887, referred to the Statistical Committee for consideration the "Rough Preliminary Report, dated the 7th November," referred to by Dr. Sweeting (p. 28), together with returns for five years, relating to the observed incidence of kidney complications amongst scarlet fever patients treated at the other Fever Hospitals of the Board, prepared by the respective Medical Superintendents.

From the latter returns, it did not appear that at the Hospitals to which they related, any increase of scarlatinal albuminuria had occurred similar to that observed by Dr. Sweeting. The value of his observations is, however, derived from the fact that they are taken by the same observer under similar conditions. The figures are therefore strictly comparable. Such enquiries are of the greatest importance, bearing as they do on the treatment of the sick persons entrusted to the Managers' care; and the *present* results are sufficient to put the Managers on their guard against the danger of acquiescing in any suggestions for the reduction of the cubic air space usually allowed to each patient in the Board's Hospitals.

(d.) SMALLPOX ACCOMMODATION IN LONDON.—Now that the question of providing accommodation for a limited number of Smallpox cases in the town Fever Hospitals of the Board is under the consideration of the Managers, the Committee would call special attention to the remarks of Dr. Sweeting (p. 33), without, however, expressing any opinion on the subject.

(e.) NOTIFICATION AND COMPULSORY REMOVAL OF CASES OF INFECTIOUS DISEASE.—One of the chief lessons which the inhabitants of the Metropolis should learn from the experience of the past year is the necessity for the extension to London of compulsory notification of infectious disease, such as exists and has been found to work so advantageously in 43 of the provincial towns. The Managers have long desired this, and in November last addressed a communication upon the subject to the Local Government Board, copies of which were also forwarded to the Boards of Guardians, Vestries, and District Boards of the Metropolis. The information that notification would afford to the Managers as to the course of any disease with which they are called upon to deal, would be invaluable in enabling

them to gauge the requirements of the Metropolis for Hospital accommodation.

The subject of compulsory removal, to which Dr. Gayton refers in his report (p. 24), is quite distinct from that of compulsory notification.

(f) STATISTICS—FEVER CASES.—Referring to the Statistics which accompanied the Reports of the Medical Superintendents of the several Hospitals, and which will be found collated and summarised on pages 50-63, the Committee will deal first with the figures relating to the patients admitted into the Fever wards.

The total number of cases treated in the Fever wards of the Infectious Hospitals during the year was 7,125, including 588 remaining under treatment on the 31st December, 1886.

The total admissions were 6,537, discharges 4,308, and deaths 613.

The total mortality (calculated according to the formula adopted by the Registrar-General and authorised by the Board) was 10·69 per cent.

Summary of Tables I., p. 51.—Of the total admissions 5,900, or 90 per cent., were Scarlet Fever cases. The total number of cases of that disease treated was 6,392, of which 3,853 were discharged recovered, and 489 died, giving a mortality of 9·54 per cent. (without allowing for the deaths from Measles and other intercurrent maladies which occurred at the Western and South-Eastern Hospitals) as against a mortality in the preceding year (1886) of 9·04. This result indicates that the disease was not of a milder type than in the previous year.

Of Enteric Fever cases there were 532 treated, 441 admissions, 334 discharges, and 61 deaths, the mortality per cent. being 14·59 as compared with 14·85 in last year.

Of Typhus Fever cases there were only 36 treated, 35 having been admitted during the year; 30 were discharged recovered, and 4 died, a mortality of only 11·59.

Of cases of "other diseases" (see Table VII., p. 60, for particulars) there were 165 treated, 161 admissions, 91 discharges, and 59 deaths, giving a mortality of 37·94.

Summary of Tables II., p. 53.—The monthly admissions of Scarlet Fever cases, as shown in this table, gave in the first part of the year no indication of the extent to which they would increase in the autumn. During September, October, and November no less

than 3,287 cases were admitted, out of the total of 5,900. The greatest number admitted in any month of the year was in October, when 1,272 were received.

Summary of Tables III., page 55.—Scarlet Fever cases were admitted from every Parish and Union in the Metropolitan District, and Enteric Fever cases from all except Hampstead Parish.

The Parishes of Paddington, St. Marylebone, and Lambeth, and the Holborn Union, contributed the greatest numbers of Scarlet Fever cases in proportion to their population, and the Poplar, Greenwich, and Woolwich Unions the least numbers.

Typhus cases were received from only eleven out of the 30 Parishes and Unions.

Summaries of Tables IV., page 57., V., p. 58., VI., p. 59, show the admissions and deaths at various ages of Scarlet, Enteric, and Typhus cases.

The numbers of male and female Scarlet Fever cases admitted were almost equal, the preponderance being on the side of the females; but the death rate of the males was higher than that of the females. 60 per cent. of the total deaths occurred in children under 5 years of age; 28 per cent. in those between 5 and 9 years, and 12 per cent. in those above 9 years.

Summary of Tables VII., p. 61.—In this Table a list is given of the miscellaneous diseases, other than Scarlet, Enteric, or Typhus Fevers, admitted during the year. They consisted principally of cases of simple continued fever, measles, and pneumonia.

On pages 64-77 will be found the list of complications in Scarlet and Enteric Fever cases.

II. SMALLPOX DURING 1887.

Dr. Birdwood (Smallpox Hospital Ships) in his report (p. 42) submits some most valuable and interesting information with regard to the origin and presumed history of infection of the Smallpox cases received on board the Hospital Ships, from which it appears that during the year Smallpox was imported into London from Port Said, Seville, Lisbon, Portsmouth, Stockton-on-Tees, and Sheffield.

Notwithstanding the danger to which the Metropolis is constantly liable of invasion by Smallpox from the provinces and the Continent, its inhabitants are to be congratulated on its comparative immunity from the disease.

The Registrar-General, in his Annual Summary, before referred to, says, speaking of London, "The deaths from Smallpox, including 2 which occurred in the Metropolitan Asylum Hospital Ship at Dartford, were only 9 in number; in the preceding year, 1886, there had been 24; and in no previous year since civil registration began had the number been so small as in either of these two years."

"The mean annual mortality from this disease in the seven years (1881-1887) as yet elapsed of the current decennium was 0.20 per 1,000, and lower than in any previous decennium."

It is satisfactory to learn from the Annual Report of the Ambulance Committee that "any information as to the probable cause of an outbreak of Smallpox coming to the knowledge of the Committee has been at once communicated to the Medical Officer of the district concerned."

As that Committee also point out, "the immediate removal and isolation of such cases as may occur is of the first importance, and can only be effectually secured by the maintenance in constant readiness of the Ambulance Service and the Hospital Ships."

It may, therefore, be fairly assumed that the spread of Smallpox has been in great measure checked by the rapid system of removal organised by the Ambulance Committee, and by the more perfect isolation which is now obtainable in the Floating Hospitals at Long Reach.

STATISTICS—SMALLPOX.—The figures relating to Smallpox cases are contained in the Tables on pp. 78-82.

From the summary on p. 82 it will be seen that 56 cases were admitted and treated during the year; 46 were discharged and 3 died.

Three cases admitted as suffering from Smallpox were found to have Chickenpox, Ecthyma, and Lichen, respectively.

III. IMBECILITY.

The Reports of the Medical Superintendents of the Asylums for Adult Imbeciles and the Schools for Imbecile children (see pp. 83-95) do not call for special remark.

STATISTICS—IMBECILES.—The Statistics relating to the Asylums will be found collated and summarised on p. 96 to 124.

The numerical results of the year's work at the Asylums and Schools have been as under:—

	Asylums.			Schools.			Grand Totals.		
	Males	Females	Total.	Males	Females	Total.	Males	Females	Total.
On the 1st January, 1887, the several Asylums and the Schools contained ...	2,130	2,653	4,783	381	246	627	2,511	2,899	5,410
There were admitted during the year	240	291	*531	84	62	146	324	353	677
The total number treated being... ..	2,370	2,944	5,314	465	308	773	2,835	3,252	6,087
Of that number there were discharged	58	50	108	26	82	108	84	132	216
And there died	152	201	353	17	14	31	169	215	384
Leaving under treatment on the 31st December, 1887	2,160	2,693	4,853	422	212	634	2,582	2,905	5,487

* Including transfers from Darenth Schools to Darenth Asylum.

The average numbers resident during the year were: of adult imbeciles, 2,130 males and 2,647 females; and of imbecile children, 404 males and 246 females—total, 2,534 males and 2,893 females—grand total, 5,427.

Of the admissions at the Darenth Adult Asylum, 81 (12 males and 69 females) were patients over 16 years of age, transferred thereto from the Darenth Schools. Of that number 74 had, and 7 had not improved during their residence in the latter institution.

The following Table summarises the total numbers of infectious patients and imbeciles treated in the Hospitals and Asylums of the Board during the year 1887:—

	Remaining on 31st Dec., 1886.	Admitted.	Total Number Treated.	Discharged.	Died.	Remaining under Treatment 31st Dec., 1887.
Fever	588	6,537	7,125	4,308	613	2,204
Smallpox	—	56	56	46	3	7
Imbeciles	5,410	596	6,006	135	384	5,487
Totals	5,998	7,189	13,187	4,489	1,000	7,698

The Committee take this opportunity of expressing their sincere thanks for the valuable co-operation of Dr. Bridges of the Local Government Board, and the Medical Superintendents of the Board's Hospitals, when attending their meetings.

(Signed) V. B. KENNETT-BARRINGTON,
Chairman.

Metropolitan Asylums Board,
Chief Offices: Norfolk House, Norfolk Street, Strand, W.C.
11th May, 1888.

REPORTS OF THE MEDICAL SUPERINTENDENTS OF
THE SEVERAL INFECTIOUS HOSPITALS FOR
THE YEAR 1887.

No. 1.

REPORT OF DR. ALEXANDER COLLIE, MEDICAL SUPERINTENDENT
OF THE EASTERN HOSPITALS.

(For Statistics, see pp. 50 to 77.)

EASTERN HOSPITALS,

HOMERTON, E.

January, 1888.

To the Committee of the Eastern Hospitals.

LADIES AND GENTLEMEN,

During the year 1887 one thousand nine hundred and seven cases have been admitted. I enclose statistics, which explain their nature and the results.

Forty-six nurses and servants have contracted illness in the discharge of duty. This is due, partly to the larger number of persons employed in consequence of the greater number of patients, and partly to the practice of discharging from time to time such of the staff as may not be immediately required. It follows from this that the place of nurses who have acquired immunity from infectious disease is filled, on the next increase, by persons who have not a similar immunity. The consequence is that a proportion of these "catch Fever"—an "unfortunate result" which recurs every time there is a reduction followed by a subsequent increase.

This is a serious matter for the nurses, even when they recover, but it is something more when they are permanently disabled or die. At the moment I write, there are six nurses suffering from Fever, who, in the ordinary routine, will be discharged in the spring. In the autumn, when the usual yearly increase of Fever occurs, new nurses must be appointed, some of whom will "catch the Fever"; and so on, year by year, as regularly as autumn follows summer. I need hardly say that, as regards the nurses, this is a matter of some gravity. There is, however, another point of view, from which the subject requires consideration. It will probably be obvious that

an institution where young men and young women are associated, ought to possess a staff distinguished by character and capacity. It will be also obvious that no such staff can be had on the present terms, for persons of good character and capacity would not leave a permanent office to occupy a temporary one, even without the risk of contracting a possibly fatal disease.

A staff of high character and capacity cannot be obtained at a moment's notice when an epidemic is at the door any more than an army can be organised when the enemy has crossed the frontier.

Your obedient Servant,

(Signed) ALEX. COLLIE.

No. 2.

REPORT OF DR. ARMSTRONG, MEDICAL SUPERINTENDENT OF
THE PLAISTOW HOSPITAL.

(For Statistics, see pp. 50 to 66.)

PLAISTOW HOSPITAL,
PLAISTOW, E.,
24th February, 1888.

LADIES AND GENTLEMEN,

At a meeting of the Eastern Hospitals Committee on November 9th, the number of Scarlet Fever patients under treatment in the several Institutions of the Board being reported as 2,557, it was resolved that the vacant Hospital at Plaistow, "the property of the Poplar Board of Works," should be made available for the reception of patients.

To this establishment you did me the honour of appointing me as the Medical Superintendent. As you are aware, at the time of this appointment being made, I was the Assistant Medical Officer at the North-Western Hospital, but by the courtesy of the Committee of Management of that Institution, I was at once relieved from further duties there, and by your directions, without loss of time, took steps to prepare the Plaistow Hospital. By your assistance and co-operation I was enabled to report the readiness to receive cases on November 14th, or five days after the decision of the Board had been arrived at.

Of Scarlet Fever there were 120 admissions, 15 discharges, and 9 deaths, giving a mortality of 13·3 per cent.

Of Measles there was one case which was discharged recovered, bringing the number of discharged patients up to 16 for the year 1887.

A Matron and Nursing Staff were provided by St. John's House, Norfolk Street, Strand, and the nursing was satisfactory.

Only two members of the staff contracted Scarlet Fever. Both recovered.

Appended are the usual statistical returns.

In conclusion I must not omit to thank the Committee for their unvarying courtesy and consideration to me at all times, and to the Matron for her useful assistance.

I am,

Ladies and Gentlemen,

Your obedient Servant,

(Signed) ARTHUR ARMSTRONG.

*To the Committee of Management of the
Plaistow Hospital.*

No. 3.

REPORT OF DR. WILLIAM GAYTON, MEDICAL SUPERINTENDENT
OF THE NORTH-WESTERN HOSPITAL,

(For Statistics, see pp. 50 to 74.)

NORTH-WESTERN FEVER HOSPITAL,

HAVERSTOCK HILL,

February, 1888.

GENTLEMEN,

The close of 1887 brings with it the pleasant duty of once more presenting a report upon the work of the Hospital during the year, a year distinguished by some events of importance, and which will leave its mark in the annals of the Metropolitan Asylums Board.

The Hospital, as you are well aware, was closed against the reception of patients for several months, owing to the paucity of cases arising in the Parishes from whence the supply to this Institution is generally derived; in the latter end, however, of July the number of beds occupied in the several establishments under the control of the Board had risen to 593, the result of which was an order by you, on July the 30th, to reopen this Hospital as speedily as possible; preparations were at once made to carry your instructions into effect, with the result that on August the 8th I was enabled to report that two wards, each capable of accommodating 25 patients, were completed; these being occupied almost as soon as ready, other wards were prepared as rapidly as practicable, until every available bed was in possession of a patient suffering from Scarlet Fever. More accommodation being still required, the old Smallpox Laundry, in September, was converted into a ward for 15 patients, and as speedily filled as the other parts of the Institution. The total resources had now reached 215. On October 3rd, the cases under treatment being 1,621, it was resolved by the Managers that two or more of the Committees of the Fever Hospitals should take steps to utilise any vacant land by the erection of Huts; on the same date plans were submitted for approval, and a contract accepted for the building of five wards upon the ground facing those which had existed for now many years, and hitherto used as pasture land. Some points connected with their construction may perhaps not be uninteresting. Each hut is raised upon a course of brickwork, necessarily varying in height on account of the steep gradients upon which they stand; internally they are 24 feet wide, 112 feet long, and 12 feet high, thus affording upwards of 1,500 cubic feet to each of the 22 patients they are intended to contain. A ward lavatory is thrown out from the centre,

of one or other side, this being fitted with all modern sanitary improvements ; in this also is a foul linen shoot connected with an outside tank, containing a solution of corrosive sublimate (1 in 5,000) and into which all bed and body linen are immediately deposited. Ventilation is provided by means of half a dozen Tobin's tubes, and a central roof shaft communicating externally with four Boyle's ventilators ; the heating is most satisfactorily accomplished by four combustion stoves, set in solid brick piers, of the most primitive description, but admirably answering their requirements by affording a maximum degree of heat with a minimum consumption of fuel. On each side of the entrance lobby, but entirely cut off from the general ward, by half glass doors, is a bath room and kitchen, the former being liberally supplied with hot water by means of an external circulating boiler which is common to the five huts. The walls of wood, imbricated outside, match lined, stained, and varnished within with an intervening lining of felt, add alike to the maintenance of an uniform temperature and a high degree of comfort and brightness. The roof is slated, and completely around each building half channel pipes are placed, thus ensuring absolute dryness. From the experience we have now had of these supplementary wards, it is satisfactory to be able to report that in all and every particular they have proved themselves admirably adapted for the purpose they were intended. It may also be mentioned that the rapidity with which these were erected has not unfrequently caused some surprise : thus, one was completed in 9 days, and the whole in 21 days ; in order, however, to effect this, the work proceeded almost uninterruptedly from start to finish.

Our total accommodation was thus raised to 325. With the increased number of patients there was necessarily a corresponding addition to the staff, for which, however, no adequate sleeping provision could be found. In order to meet this difficulty it was resolved that a sixth hut, of similar dimensions to those already referred to, should be constructed, consisting of cubicles, a dining-room, and the necessary sanitary arrangements. This being also completed within the three weeks, from the date of commencement of the first building, gave no little relief to the temporary difficulty.

On the 10th of November, the existing accommodation had been exceeded by 10, and 2,495 patients remained under treatment in the different Hospitals. To meet, therefore, the still daily increasing demand for beds, it was further resolved that 5 additional huts should be erected on the vacant ground, near the Fleet Road, to accommodate another 110 patients, their completion to be accomplished without delay. On the 28th (18 days after the order was issued) I reported that, with the exception of the last one, not only were they furnished, but occupied—giving 420 patients then under treatment

here. As these were, and are, considered of a very temporary character, it is unnecessary to give any details in reference to their construction, beyond stating that, like the others, they are raised upon brick-work, having somewhat similar roof ventilation, are provided with all the necessary accessories, but are felt-covered, and wanting in the minor details more carefully elaborated in the five first erected, and which are considered to be of a permanent nature. These, however, like the others, proved valuable auxiliaries when every available bed was an imperative consideration.

In the interval, between the construction of the first and second series of huts, an important point presented itself for your decision. I refer to the laundry arrangements. The existing building, with its old machinery, had hitherto been sufficient to meet the demanded requirements: but, with so large an increase in the number of patients under treatment, a short time only elapsed before it was seen, but too clearly, that unless in some way supplementary assistance was rendered, the whole matter must come to a standstill. By dint of working night and day, the wards were fairly supplied with the necessary quantity of fresh linen; but, as hut after hut came into existence, these attempts proved unavailing. To obviate a lamentable disaster, you very readily ratified my proposition—that an independent laundry should be erected. With the fittings removed from the one converted into a ward, and previously used entirely for Smallpox, this was speedily, and, comparatively, inexpensively fitted up, proving then, as it will probably in the future, a valuable and very necessary adjunct to the Institution.

About this time also, your attention was directed to the boilers; the two then in existence had been working off and on since the Hospital was first opened in 1869, and necessarily, in spite of attention and repairs, had become in a somewhat unreliable condition from long service. Foreseeing the absolute helpless condition in which you would be placed by these becoming disabled at any time, and the necessity of having one laid by for cleaning and overhauling occasionally, the suggestion was ventured that the steam power should be augmented by an additional boiler. To this also you acceded. Our present position, therefore, is such that no fear need now be entertained as regards the working capacity and resources of the laundry department.

Turning now to the actual medical work of the Hospital during the past year, the appended tables show that 777 persons were admitted certified to be suffering from Scarlet Fever—of these, however, 7, in our opinion, were wrongly diagnosed—298 were discharged to their own homes, 133 were transferred to the Convalescent Hospital at Winchmore Hill, 35 died, and 311 remained under treatment on the last day of the old year. The rate of

mortality is somewhat difficult to calculate owing to the transferred cases of whom we know nothing as to the final result; approximatively, however, it is 5·3 per cent., depending entirely upon whether those sent away (all of whom probably survived) are included in the calculation or are struck out. It follows as a necessary consequence that if the latter procedure be adopted, the recorded death rates at the London Hospitals will always be a high one as compared with former years, when every case was, and from a medical point of view, more satisfactorily treated from commencement to termination.

A more than usual amount of illness has been observed amongst the staff than in former times. Several contracted Scarlet Fever, others suffered from Bronchitis, Rheumatism, &c., and I regret to add one of the nurses died—the second only since my connection with the Board—from Acute Inflammation of the Lungs. Remembering the exposed position of our wards, and their relation to the sleeping apartments of the staff, it is a matter of some congratulation that a larger amount of sickness has not presented itself.

A question of the utmost importance has been, and is still, under consideration by your Board, viz., whether the notification of infectious diseases should be compulsory or not. The real cause of the enormous prevalence and fatality of these infectious fevers, is doubtless owing to the fact that they are treated at home, where, in by far the majority of cases, they cannot be properly isolated; hence the highest authorities have come more and more decidedly to the conviction that their proper location is the Hospital, arranged and adapted in every particular for their reception—a means which, taken in connection with others, would lead in time, if not to the final and complete extinction of these disorders, at least to a very material reduction of numbers of those attacked. The objection to separation has been urged, but even when treated at home, the same must hold good more or less, if isolation, in the strict meaning of the term, is conscientiously carried out. The force of the appeal to make compulsory the removal of every infectious case should be undisputed, whether in rich or poor, and will probably years hence receive the hearty co-operation and cordial approval of society, by affording the most effective means for the prevention and propagation of zymotic diseases; but whether the notification should emanate from the parent, the legal guardian, or the medical attendant, is a question requiring, and doubtless will receive, the most careful consideration; neglected, the most deplorable consequences may arise.

I cannot conclude this report without expressing my most sincere and grateful thanks to the Committee of this Hospital for the unvarying courtesy, support, and indulgence shown me during the past year. Owing to circum-

stances somewhat impossible to control, the Hospital was prepared in a most hurried manner for the reception of patients, with a staff incomplete as regards its superior officers, and with subordinates hastily collected, and, for the most part, untried. Notwithstanding these and other disadvantages, I venture to think that, aided most materially by your advice and co-operation, the results attained are, upon the whole, not unsatisfactory; for these, and the substantial recognition you have been good enough to take of my services, I reiterate my thankfulness and acknowledgments; and, recognising gratefully the valuable help, most readily and cheerfully accorded by the Matron, my late, and also my present colleague, Dr. Phillips,

I am, Gentlemen,

Your obedient Servant,

(Signed) WM. GAYTON.

No. 4.

REPORT OF DR. R. D. R. SWEETING, MEDICAL SUPERINTENDENT
OF THE WESTERN HOSPITAL.

(For Statistics, see pp. 50 to 72.)

*January 1st, 1888.**To the Committee of the Western Hospital.*

GENTLEMEN,

I have the honour to present to you the Annual Report of this Hospital for the year 1887. Its use during this year has been restricted entirely to fever; and the number of fever cases treated has been almost threefold that of any previous year. The numbers admitted, indeed, rose so considerably during the last quarter of the year as to necessitate a ward of 20 beds reserved for Typhus being utilised for Scarlet Fever; and one of the wards which had been diminished in size by the building of the Ambulance Station was adapted for the same number of patients. Extra cots were also, by the order of the Board, placed in the wards, raising the total accommodation of the Hospital to 262 beds, 230 of which were set apart for Scarlet Fever alone. Contemporaneous with this increase in the number of beds, the Nursing Staff had to be considerably augmented; and, in order to provide proper sleeping room for the freshly engaged members, an empty ward, unsuited for the use of patients, was fitted with cubicles, and one of the gate-porters' lodges was used for the same purpose. The new drainage scheme was carefully completed during the year, and, so far, has been found to work efficiently.

There were, during 1887, 1,185 admissions, 116 deaths, and 980 discharges, leaving 209 under treatment on December 31st.

ADMISSIONS.

Of the total admissions, 1,115 were Scarlet Fever, 49 Enteric Fever, and 21 other diseases. (See Table VII.) Three of the Scarlet Fever admissions were combined when admitted with Measles, two with Diphtheria, and one with Varicella.

DISCHARGES.

Of the total discharges, 387 were transferred to the Northern Hospital, 42 to the South-Western Hospital, 8 to the North-Western Hospital, and the remaining 543 to their own homes.

DEATHS.

Of the total deaths, 102 were from Scarlet Fever, 7 from Enteric Fever, and 7 from other diseases. But 11 of the deaths in cases admitted with Scarlet Fever were due to other maladies. (See Table I.)

MORTALITY.

The total mortality per cent. was 10·12; that from Scarlet Fever, 8·42; from Enteric Fever, 17·28; whilst the mortality rate from other diseases was 34·14 per cent.

STATISTICAL TABLES.

The usual Tables are appended in which details of the year are given. The chief points to be noticed are as follow:—

Table I.—The bulk of the admissions were, of course, Scarlet Fever; as a matter of fact, Enteric cases were not received until the end of July. The total percentage mortality was higher than of late years. This is to be attributed to fatality from Measles occurring amongst Scarlet Fever convalescents, and to the high rate of mortality amongst the other diseases which were sent up in mistake for Enteric Fever. The scarlatinal death-rate, when corrected for Measles' deaths and other intercurrent maladies, was not appreciably higher than that of recent years.

Table II.—It will be seen that the greatest number of admissions took place in September, being more than double the monthly average of the year. The fourth quarter alone contributed nearly a third of the total. Half the total deaths also occurred in that quarter.

Table III.—No less than 18 Parishes and Unions of the Metropolis contributed cases to the Hospital. Of these, Kensington sent the most; Fulham and St. George's coming next.

Table IV.—The range of age-contribution in Scarlet Fever was the same in both sexes, no patients over fifty having been admitted; but whilst 29 males over twenty-one years of age were admitted, exactly double (58) the number of females over that age were received as patients here. More than two-thirds of the total admissions were under ten, the numbers being practically identical in the two sexes; but the second quinquennium (five to ten years) furnished more than any other—viz.: 450 of the whole 1,115. No deaths occurred over twenty-one years of age, and 96 of the whole 103 were in those under ten, 72 of these occurring in children under five. It may hence be inferred

that if children between the ages of five and ten are more prone to be attacked by Scarlet Fever, children under five are distinctly more liable to die, when attacked.

Table V.—Though the numbers are small, it may be noted that double the number of males than of females were admitted with Enteric Fever, though the latter died at a somewhat higher rate.

Table VI.—Measles and R otheln again furnished the majority (this year one-half) of the cases sent in incorrectly certified as Scarlet or Enteric Fever. Of the total 21 thus admitted, 13 were sent in as Scarlet Fever, and the remaining 8 as Enteric Fever: of the former, 2 died: of the latter, no less than 5.

MEASLES DURING 1887.

In addition to five cases admitted as Measles, and three in which Measles was combined with Scarlet Fever, altogether 29 scarlatinal convalescents suffered from this disease during the year, the bulk of the cases occurring in the months June, July, and August; of whom 9 died. The rate of mortality of these cases is in great contrast to that of the 5 cases admitted as Measles, of whom only 1 died, and is to be ascribed to the more lethal effect produced by the supervention of one acute infectious disease upon another. The outbreak started in children with Scarlet Fever, who developed Measles at an early period of convalescence, having contracted the disease outside; and it spread amongst them to the above extent, in spite of as early and prompt isolation as could be effected.

INCREASE OF SCARLATINAL ALBUMINURIA.

In a rough preliminary report, dated November 7th, I last year presented to your notice some facts showing a large increase in the number of cases of Scarlet Fever complicated with albuminuria, and stated my suspicion that this might be due to diminution of air-space in the Wards, brought about by crowding of patients, as well as, in 1887, the rapid drafting away of convalescents. In the table embodied in that report, the percentage of albuminuria was taken on the number of admissions in each year. I have since thought that it would be more accurate to take the rate upon the number of completed cases; and although the new rates are a little different, the comparison between the several years, on which my conclusion was founded, remains unaffected. I have also separated the years 1882 and 1883, for a reason which will be seen below. The amended table is as follows:—

TABLE A.—*Albuminuria*, 1882-1887.

Year.	Number of completed Cases.	Number of these which presented Albuminuria.	Rate per cent.	Remarks.
1882	64	9	14.0	Heat and nitric acid used as a test for albumen.
1883	248	61	24.5	Picric acid first employed in early part of year.
1884	89	17	19.1	Picric acid exclusively employed.
1885	180	39	21.6	" "
1886	343	101	29.4	" "
1887	1,046	366	34.9	" "

(*N.B.*—The increase is real, not apparent, at all events since 1884, as the same methods and practice in the examination of the urine have been followed since then. It has been the invariable custom to examine every patient's urine at least once a week, and in special cases more often than this, and always by the Assistant Medical Officer, acting under my supervision.)

At the date of completion of this Report (February 27th), I am in a position to give the correct rate of incidence of albuminuria in 1887 upon the whole number of cases admitted. This is stated for quarters of the year in the following table (B):—

TABLE B.—*Albuminuria in the several quarters of 1887.*

Quarter of the Year.	Numbers Admitted.	Numbers attacked with Albuminuria.	Rate of attack per cent.	Remarks.
First	160	56	35.0	—
Second	160	47	29.3	—
Third	371	148	39.8	Drafting began in this quarter.
Fourth	424	146	34.4	Drafting during all this quarter.
Whole Year	1,115	397	35.6	—

It is seen that in 1887 the large increase of the rate in the third quarter was coincident with a large increase in the number of admissions, though antecedent to drafting, and that a high rate was maintained (but slightly diminished) during the fourth quarter, in which the admissions still continued to increase, and while drafting was continued.

In order to investigate what influence *season of year* might have had in producing this effect, I have compiled the subjoined table (C), which shows in similar fashion the number of cases of albuminuria quarterly during the four years preceding 1887:—

TABLE C.—*Albuminuria Quarterly, 1883-1886.*

YEAR.	1ST QUARTER.		2ND QUARTER.		3RD QUARTER.		4TH QUARTER.	
	Admissions.	Albuminuria.	Admissions.	Albuminuria.	Admissions.	Albuminuria.	Admissions.	Albuminuria.
1883	28	9	54	8	66	11	49	6
1884	38	7	2	...	...	...	74	9
1885	41	7	53	12	74	10	53	13
1886	53	12	65	26	143	40	159	37
1883-1886	160	35	174	46	283	61	335	65
Total rate per cent.	21·8		26·4		21·6		19·4	

The highest rate is here seen to be in the second quarter, not the third; so the influence of season in producing the increase in these years was not the same as that which produced the increase in 1887. Similarly, it may be seen that the rise in the rate in 1886 was in the second, and not in the third quarter. Since then, both 1887 and 1886 show a great increase in their albuminuric rate, and as the rise in one is in the third quarter, and in the other in the second quarter, it follows again that season cannot be regarded as a common factor in the causation of the increase in these two years, and must be eliminated as an efficient agent in its production.

The relation in time of drafting convalescents in 1887 and the rise of albuminuria has been roughly indicated in Table B, and this deserves further examination. Although a few cases were transferred to Hampstead and Stockwell in August and September, yet the real drafting did not begin until September 25th, on and after which date convalescents were regularly and continuously transferred to the Winchmore Hill establishment, at the average number of nearly 30 a week. On dividing the year into two periods, before and after continuous drafting to the Northern Hospital, and computing the albuminuric incidence rate in each period, the result obtained is the following:—

Period A, *before* drafting, Jan. 1—Sept. 25, 618 cases, 227 with albuminuria, rate per cent., 36·7.
 „ B, *after* „ Sept. 25—Dec. 31, 497 „ 170 „ „ 34·2.

Statistical examination therefore reveals that drafting *per se* cannot be accused of aiding in the production of the albuminuric increase; though, inasmuch as maintenance of the high albuminuric rate was associated with increase of admissions and with diminution of cubic space (as will be presently shewn), it would be difficult to separate this factor of drafting from others.

A possible explanation of the increase being that it was due to inadequate ventilation of the wards, as opposed to diminished cubic space, I tested the matter in the following way. I kept two female wards (Nos. 3 and 4) at their usual conditions of ventilation, while in another female ward (No. 2) I increased the ventilation to the utmost limit compatible with the safety and comfort of the patients and nurses; thus, all the 'Tobins', all the window-ventilators, and, in addition, alternate windows top and bottom, were kept open day and night. I distributed cases as they were admitted as equally as possible amongst these three wards from November 28th, 1887, to January 27th, 1888, and the incidence of albuminuria on these wards up to the present time (February 27th) has been as follows:—

Ward.	Admissions.	Albuminuria.	Rate per cent.
No. 2	35	23	65·7
No. 3	37	22	59·4
No. 4	41	17	41·4

So that the rate was greater, rather than less, in the abnormally freely ventilated ward. (I may add that the three sets of cases were very similar in age; those in Ward 2 ranging between 2 years and 47, 25 of them being under 10; those in Ward 3 between 2 and 35, 30 being under 10; and those in Ward 4 between 2 and 32, 31 being under 10).

I have thus shewn that the observed increase of scarlatinal albuminuria has been real, and that season of year and inadequate ventilation have been eliminated as factors in its production. Though the influence of drafting convalescents has not been shewn by statistical inquiry to have operated unaided in producing the phenomenon noted, yet an influence of diminished cubic space in association with it is not easily to be gainsaid. If such a question-begging explanation as that the increased albuminuria is a character of the present scarlatinal prevalence, or such an intangible proposition as that it is part of the "epidemic constitution" of London Scarlatina to manifest this phenomenon at certain times be excepted, nothing appears to remain but diminished cubic space to account for it. The patients were of the same class as in former years; the therapeutic treatment was the same; the same chemical tests have been employed, and the urine examined at the same intervals and by the same class of persons; and yet the rate of incidence of albuminuria has increased. With what has this been associated? It has been seen that the rise in 1887 took place in the third quarter, the admissions per week having increased from an average of 12 to one of 30, or almost threefold. Along with this increase of admissions, the wards became more crowded with patients than they had ever been before in their previous history, and extra

cots were placed in them, so that wards originally certified and sanctioned for 24 patients, were made to contain 32, and sometimes 33 and 34. This serious diminution of cubic space in association with the observed increase and high maintenance of albuminuria may have been only a chance affair, but it seems to me to stand more in the relation of cause and effect, and such inference from the facts above recorded is strengthened by the circumstance that at the date of this report when, owing to the falling off in admissions, no ward contains more than 24 patients (most of them less), the number and percentage of cases presenting albuminuria has greatly diminished. It may be noted here that Dr. Thorne, late Physician to the London Fever Hospital, in a recent paper, referring to the importance of ample air-space for the sick, says*: "There have been occasions when, owing to repairs or otherwise, it has been found necessary as a temporary measure to exceed the number of patients properly allotted to one or other ward, and when this has been the case, the practice has almost invariably been followed by an increase in the number of patients exhibiting albumen in the urine." So that the experience at the Western Hospital is by no means unique, but has been found to obtain at the London Fever Hospital also. The clinical significance of Scarlatina Albuminuria should be over, rather than under, estimated, since what is merely a slight attack due to congestion of the kidney or blocking of its tubules by epithelium may, if neglected, owing to its non-discovery by means of systematic, regular, and intelligent examination of the urine,† eventuate in serious kidney disorganisation. My misgiving, then, has been strengthened by further investigation, that diminished cubic space in the wards, aided, may be, in some degree by the drafting of convalescents, has produced an increase of albuminuric cases. I would therefore earnestly deprecate any overcrowding of the wards by Scarlet Fever patients, and I would even reduce the number of beds in each ward from 30 to 24, the original number for which they were sanctioned, and would dissent from any increase in this number under any circumstances.‡

VISITING OF PATIENTS.

During the past year 158 patients were placed upon the list for visiting. These were visited by 280 visitors, who paid altogether 798 visits. The number of deaths having been 117, the above figures shew that one-third of the severe cases recovered under treatment; that each patient had an average of 2 visitors, each of whom paid an average of about 3 visits. It is thus seen that

* *Practitioner*, December 1st, 1887.

† Picric acid is recommended by Dr. George Johnson, of King's College, as the most delicate test for albumen: see various papers in the *Lancet* in recent years. I have found it far superior to the ordinary heat and acid test.

‡ This would have the effect of reducing the Scarlet Fever accommodation by one-fifth; but the individual interests of the patients would be enhanced by the change.

the visiting is reduced to the lowest limits compatible with a due recognition of the sentiments of patients' relatives.

STAFF.

There were altogether 51 fresh engagements of Staff during the year, of whom 5 were nurses, and 23 assistant nurses. 3 members, unfortunately, contracted Scarlet Fever—viz. : an assistant medical officer, an assistant nurse, and a ward servant. They all recovered, but the attack was severe and complicated with Nephritis in the two former cases. None of the Staff contracted Enteric Fever.

THE SMALLPOX QUESTION.

Although no Smallpox has been received at this Hospital during the year, and the question of its reception remains in abeyance, yet, inasmuch as it was concerning the doings of this Hospital that Mr. Power's classical enquiry was made, around which so much controversy has since raged, it may be useful to note that Mr. Power's conclusion respecting this Hospital has now been found to apply to all the other Smallpox Hospitals of the Board. Mr. Power's paper is to be found in the last Report of the Medical Officer of the Local Government Board (1886), and is worthy of careful study by your Committee and the Board—especially by those new members of the latter who may not have read the special Reports upon this Hospital. The broad result of Mr. Power's minute analysis of the returns for twenty years is roughly this—viz. : that Hackney (which contains Homerton Hospital), from being 25th in rank amongst the London districts, as to its Smallpox death-rate, during ten years before the establishment of the Hospital, has, in a subsequent period of ten years, risen to 1st; similarly, Greenwich (containing Deptford Hospital), from 12th to 3rd; Lambeth (with Stockwell Hospital), from 15th to 12th; Hampstead (with Hampstead Hospital) from 30th to 21st, whilst the Fulham district has also risen in the same time from 26th to 14th; and the presumption is therefore very strong that all these Hospitals have spread Smallpox in the same manner that Fulham is alleged to have done. I may also add that the same phenomena as were noticed at Fulham have been observed in the case of provincial Hospitals, *e.g.*, those at Liverpool and Sheffield. With these additional facts, which are forthcoming since my last Report, I must again urge upon your Committee the desirability of following out the express recommendation of the Royal Commission on Infectious Hospitals (1882) as to the use of Smallpox wards designed to treat by heat or disinfection their own air before its expulsion. On page XXXI of this Report, referring to the possibility of removing the danger of Smallpox Hospitals by improved construction, they say—"We

request attention especially to a mode of ventilation suggested by Dr. Burdon-Sanderson, which, if it proved practicable, may have the effect of destroying all risk from aërial dissemination by destroying within the Hospital all the infectious particles with which the atmosphere of those establishments is alleged to be charged." The plan suggested is appended to the report of Dr. Sanderson's evidence, on page 309. It must be borne in mind too, that it has been shewn by the Medical Department of the Local Government Board, that nine acute cases of Smallpox aggregated in one of the Board's Hospitals caused an outburst around that Hospital. With this recorded view, and with the further facts which have been adduced concerning the other Hospitals, it seems to me that the Board would be neglecting an obvious way of protecting itself against litigation, if it were to ignore this recommendation of the Royal Commission. It is quite certain that if the Board does not follow it out, and if an action should be set on foot with reference to the operation of any of its Hospitals, it could be argued that the Board had not done its best to obviate the spread of Smallpox; whereas, if the Board should have carried out a plan of the nature suggested, and Smallpox still spread, the Board could shelter itself under the plea that everything possible had been done to prevent such a result.

The position of the Board would indeed be greatly strengthened by carrying out Dr. Sanderson's plan, or one like it; for, if Smallpox is still treated in the ordinary Wards at the land Hospitals, and the disease is observed to spread from them, vexatious actions will at once commence; whereas, if the Commission's suggestion is adopted, these would be nipped in the bud. As to its cost, this would be as nothing compared to the cost of the litigation which would ensue, and the damages which the Board might have to pay if it is not carried out. And, further, as to its being an experiment, which it would essentially be at first, surely this would be no novelty, when the fact is borne in mind, that, if some such plan be not adopted, the Board will still be experimenting upon the populations around its land Hospitals. Neither would there be any liability to injunction in erecting such Wards, as such erection would be regarded as a modification of the existing Hospital, and not as rearing a new Hospital. In fact, the alternative to which the Board will be subjected in the near future is either to make trial of Wards such as that recommended by the Commission, or to court endless litigation.* I should like to point out that a similar Hospital is being used at Copenhagen, though I am not aware of any published results of its employment. Although some such method as that indicated should be

*If it were possible to convey all cases down the river to the Hospital Ships, the question would be avoided; but I apprehend that this would not be feasible during an epidemic.

used at all the land Hospitals of the Board, yet if any tentative application of it is to be made, it should, I think, be made at Fulham, inasmuch as the results could be compared with the former doings of the Hospital when ordinary Wards were used; this comparison would afford a more reliable test of its value than if another Hospital were selected where less precise enquiry had been previously made.

CONCLUSION.

I should like to draw attention to the sleeping and mess accommodation of the female Staff. A gate porter's lodge and an empty half ward have been obliged to be used for sleeping purposes, the central administration block having been filled to its utmost limit; should Smallpox as well as Fever be received here, both of these buildings would be in requisition for administrative purposes. One effect of the use of the first-named has been that no clinical assistants could be received here during the year. The female mess-room continues to be crowded at meals, and is in urgent need of enlargement. There is available space for this, and it could easily be effected. Moreover, if an extra story were built over each mess-room (male and female), more bedrooms could be provided for the Staff. I would strongly urge upon your Committee early attention to this important matter. I have pleasure in thanking the other Officers for the help they have accorded me in maintaining the efficient working of the Hospital, and beg to tender you my gratitude for your courtesy and encouragement.

I am, Gentlemen,

Your obedient Servant,

(Signed) R. D. R. SWEETING,

Medical Superintendent.

To the Committee of the Western Hospital.

No. 5.

REPORT OF DR. P. H. McKELLAR, MEDICAL SUPERINTENDENT
OF THE SOUTH-WESTERN HOSPITAL.

(For Statistics, see pp. 50 to 75.)

SOUTH-WESTERN HOSPITAL, STOCKWELL,
March 8th, 1888.

To the Committee of Management.

GENTLEMEN,

I have the honour herewith to submit the statistics relative to this Hospital for the year 1887. They are contained in five of the seven tables authorised by the Board; as there have been no cases of enteric fever or typhus, tables 5 and 6, which show only the ages and sex of persons suffering from these illnesses, are necessarily left blank.

The statistics, although nominally for a year, actually relate to a period of less than four months, the hospital having been already closed at the beginning of the year, and not open for the reception of cases until the 5th September. From that time to the end of the year 1,024 cases were admitted, comprising 971 of scarlet fever brought from their own homes, 42 scarlet fever convalescents transferred from the Western Hospital at Fulham, and 11 cases erroneously supposed to be scarlet fever.

There were 68 deaths—all from scarlet fever. The general death-rate, calculated according to the method authorised by the Board, is 8·3 per cent., the convalescents transferred here from the Western Hospital not being in any way reckoned or included in this estimate.

The admissions were at first very numerous; the greatest number received on any one day was 41 on the 14th September, none of them being transferred, but all brought from their own homes. Twenty-two wards were occupied with scarlet fever cases, the smallest having 14 beds and the largest 30 beds; they were contained in the Fever Hospital proper, and in the buildings formerly used as the Smallpox Hospital, and in the two wooden huts constructed for the present emergency. The greatest number remaining under treatment at the close of a day was 434 on the 4th November.

Twelve cases admitted with scarlet fever subsequently developed varicella, and four others developed measles. They all recovered; the origin of the infection could not be traced.

There were 74 cases of scarlatinal nephritis, and 13 of these suffered from the convulsions incidental to that condition.

In conclusion, I have to express my best thanks for your courtesy and assistance.

I have the honour to be, Gentlemen,

Yours obediently,

(Signed) P. H. McKELLAR,
Medical Superintendent.

No. 6.

REPORT OF DR. JOHN MACCOMBIE, MEDICAL SUPERINTENDENT
OF THE SOUTH-EASTERN HOSPITAL.

(For Statistics, see pp. 50 to 77.)

SOUTH-EASTERN HOSPITAL,

NEW CROSS, S.E.,

February 21st, 1888.

To the Committee of Management.

GENTLEMEN,

I beg to present my Annual Report for the year 1887.

The total number of patients treated in the Fever Wards was 1,836. The admissions numbered 1,636; 481 were transferred to the Northern Hospital, and 15 to Plaistow Hospital; 883 were discharged recovered, and 197 died. There remained under treatment on December 31st, 260 patients. The mortality was 12·26 per cent.*

Of the admissions, 1,392 were cases of Scarlet Fever, and 147 deaths were due to this disease, giving a mortality of 10·7 per cent. From Table IV. it will be observed that more than half the total deaths from Scarlet Fever occurred in children under 5 years of age. One Scarlet Fever convalescent died of Hydrophobia, two of Measles, and one of Smallpox. The percentage of Kidney cases was 13·6 on the number admitted.

162 cases of Enteric Fever were admitted, and 15 died—a mortality of 9·3 per cent., and considerably under the average.

28 cases of Typhus Fever were admitted, and 4 died—a mortality of 14·5 per cent.

54 cases of Miscellaneous Diseases were admitted, and 31 died.

22 cases of Smallpox were admitted, and were all transferred to the Hospital Ships, with the exception of one patient, who died.

Owing to the prevalence of Scarlet Fever, the accommodation of the Hospital was strained to its utmost in the autumn, and, on November 25th, as many as 455 patients were under treatment—the largest number of cases ever in this Hospital at one time.

* NOTE.—All the mortalities are calculated according to the Registrar-General's formula—by dividing the deaths multiplied by 100, by half the sum of the admissions, discharges, and deaths, for the year.

The arrangements for the bathing, &c., of the patients sent here for discharge, from the Northern Hospital, have worked fairly well; but the patients' friends find inconvenience from the want of a proper waiting-room; and the bath and discharge rooms, which were built for the discharge of patients from this hospital, are hardly adapted for the large numbers that come from the Northern Hospital for discharge in one afternoon. This matter deserves, I think, the attention of the Committee.

Owing to the increase of Enteric Fever it was necessary to build two additional wards, to accommodate 12 patients each. These have been of great service, and have been fully occupied.

The wire mattresses, which the Committee have had placed in the Enteric wards and in one of the Scarlet Fever wards, have proved very satisfactory, and are a great improvement on the sackings, which are uncomfortable to the patients, harbour dirt, and readily get out of repair.

Two Scarlet Fever patients developed Smallpox. On November 3rd, the eruption of Smallpox appeared on a patient in No. 3 ward, who was suffering from Nephritis, and had been in the Hospital over three weeks. On the same day a Scarlet Fever patient, who had been discharged from No. 3 ward on October 28th, was sent here on her way to the Hospital Ships. She had the eruption of Smallpox out, and had been ill since October 29th. These patients had been treated in the same ward, and evidently contracted the disease here. I was unable to trace the infection, unless it was due to toys which had been distributed in the wards about a fortnight before. This view is supported by the fact that two patients in No. 12 ward, who had been in the Hospital more than 3 weeks, developed Chickenpox on October 30th, of which disease there had not been any cases in the Institution during the previous 4 months at least. Toys had also been distributed in this ward as in No. 3, a fortnight before; in neither case were they new. All toys, &c., sent to the wards should, I think, be new.

During the year much difficulty has been experienced in procuring nursing staff. A large number of new officers were appointed who had not had Scarlet Fever, and, as might be expected from the number of Scarlet Fever wards open, several officers contracted that disease, in all—8 assistant nurses, 3 ward servants, and 1 housemaid. All recovered.

1 nurse, 1 assistant-nurse, and 2 ward servants developed Enteric Fever. Of these, 1 ward servant died. The nurse had a most severe and protracted attack, she having been warded from June 22nd till the beginning of February.

2 nurses, 1 assistant-nurse, and 1 ward servant contracted Typhus Fever. The ward servant died. An assistant-nurse contracted Diphtheria, from visiting her sister ill of that disease. Porter Wall and ward servant Trimmer died of Tuberculosis. Several officers suffered from minor ailments, such as Quinsy, Synovitis of knee or ankle, Rheumatism, and Gastric Catarrh, &c.

Mr. Gower, the Steward, resigned his appointment and left in March. Mr. Monk was appointed in his place.

I have to thank my fellow officers for the assistance they have given me in the work of the Hospital.

I beg to thank you, Gentlemen, for your continued confidence and support.

I remain, Gentlemen,

Your obedient Servant,

(Signed) JOHN MACCOMBIE.

No. 7.

REPORT OF DR. BRUCE, MEDICAL SUPERINTENDENT OF THE
NORTHERN HOSPITAL.

(For Statistics, see pp. 50 to 77.)

GENTLEMEN,

29th February, 1888.

I beg to lay before you my Report for 1887.

The Hospital was opened for the reception and treatment of convalescent Scarlet Fever cases, on the 25th September, from which date to the end of the year there were 1,682 admissions. 1,081 were discharged recovered, 1 was transferred to the South-Eastern Hospital, and 16 died, leaving 584 under treatment at the close of the year.

Of the admissions, 481 were transferred from the South-Eastern Hospital, 387 from the Western, 344 from the Eastern, 337 from the South-Western, and 133 from the North-Western.

By the 9th October, every pavilion was occupied. The number of cases being still on the increase, one of the day-rooms in each block was temporarily converted into a dormitory. In this way, accommodation was provided for 728 patients. From the end of October till the second week in December the Hospital was practically full.

The total mortality was a fraction under 1 per cent. The deaths include 5 from inter-current Measles, 6 from Croup, 2 from Meningitis, 1 from Diphtheria, 1 from Whooping Cough, and 1 from Pyæmia.

The incidence of kidney disease was but slight, Nephritis occurring in only two cases. Albuminuria occurred in 28 cases, in small quantity, and without other sign of Nephritis. Dropsy was conspicuous by its absence.

Of Measles there were 31 cases. Eight showed symptoms of the disease within a week after their admission. Twenty-three remained under treatment at the end of the year.

One patient was attacked with Smallpox, the eruption appearing nine days after admission. She was transferred to the South-Eastern Hospital. One of the nurses in attendance upon this case, who had been unsuccessfully revaccinated twelve months previously, fell ill 13 days after her first exposure. Two days afterwards a few papules appeared, which ran a rapid and abortive course.

One nurse contracted Measles, and one assistant-nurse Diphtheria. Both recovered.

I append the usual statistical tables, and

I am, Gentlemen,

Your obedient Servant,

(Signed) R. M. BRUCE.

No. 8.

REPORT OF DR. R. A. BIRDWOOD, MEDICAL SUPERINTENDENT
OF THE SMALLPOX HOSPITAL SHIPS.

(For Statistics, see pp. 80 to 81.)

HOSPITAL SHIPS—LONG REACH,
NEAR DARTFORD, KENT,

9th January, 1888.

TO THE COMMITTEE FOR THE SMALLPOX HOSPITALS.

GENTLEMEN,

At the end of 1886 you had no Smallpox patients in your care. During 1887 fifty-four patients were admitted on "Atlas." Three of these, suffering from other diseases (Chickenpox, Ecthyma, and Lichen), were revaccinated successfully during their stay here.

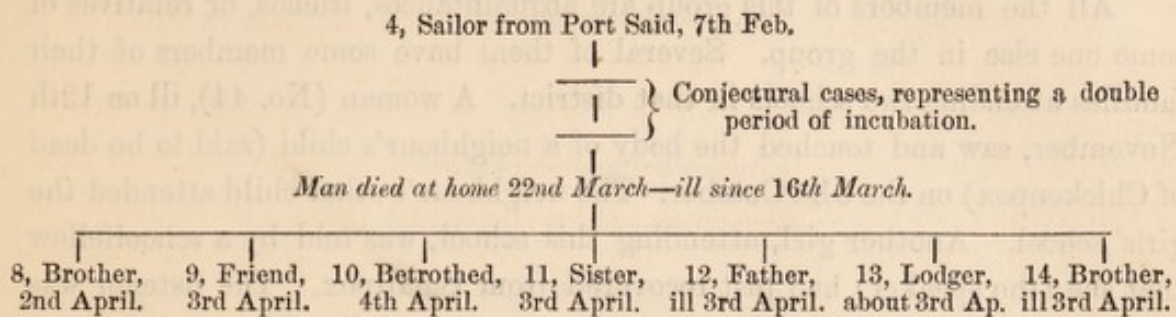
Two Smallpox patients died—one an unvaccinated girl, age 4 years; the other a vaccinated man, age 25 years. Seven patients remained in Hospital on the 31st December, 1887.

In the following the numbers refer to the "List of Patients." The date is the date of eruption, unless otherwise stated. The italics refer to patients not admitted on the Hospital Ships.

There have been during the year four foreign importations of Smallpox into London and three importations from the provinces. The first of these was a British sailor (No. 1) ill of Smallpox on the voyage home from Spain. No case arose from this importation.

Next, a British sailor (No. 4) from Sydney passed Port Said, where Smallpox was prevalent, on the 21st January. He arrived in London on the 5th February, and was ill of Smallpox an hour after landing. He went to his aunt's, and remained at her house in Woolwich till 10th February. On the 22nd March a young man died in Woolwich of Smallpox, having been ill since the 16th; that is to say, a period just equal to three periods of incubation, and suggesting that the infection was transmitted through two unknown slight cases in the neighbourhood before it reappeared in a fatal form. Early in April, that is after one more incubation period, the last young man's father (No. 12), two brothers (Nos. 8 and 14), a sister (No. 11), his engaged (No. 10), an intimate friend (No. 9), and a lodger in his father's house (No. 13) were admitted. After exposure to Smallpox infection, twelve days

generally elapse before the disease is manifested by illness in an affected person ; generally two days after the initial illness the eruption is noticed.



The third foreign introduction was a Spanish ship's steward (No. 21), who was at Seville from 17th to 23rd July. He went ashore daily, and knew there was "plenty Smallpox there." He arrived in London 4th August, was admitted 8th, having been ill since the 3rd. A clerk (No. 23) at the docks met him daily during his stay in London and went with him to a Hospital on the 8th to interpret, and subsequently was engaged on the infected ship. The clerk was admitted on the 25th.

21. Ship's Steward from Seville, 6th August.

23. Clerk at Docks, 24th August.

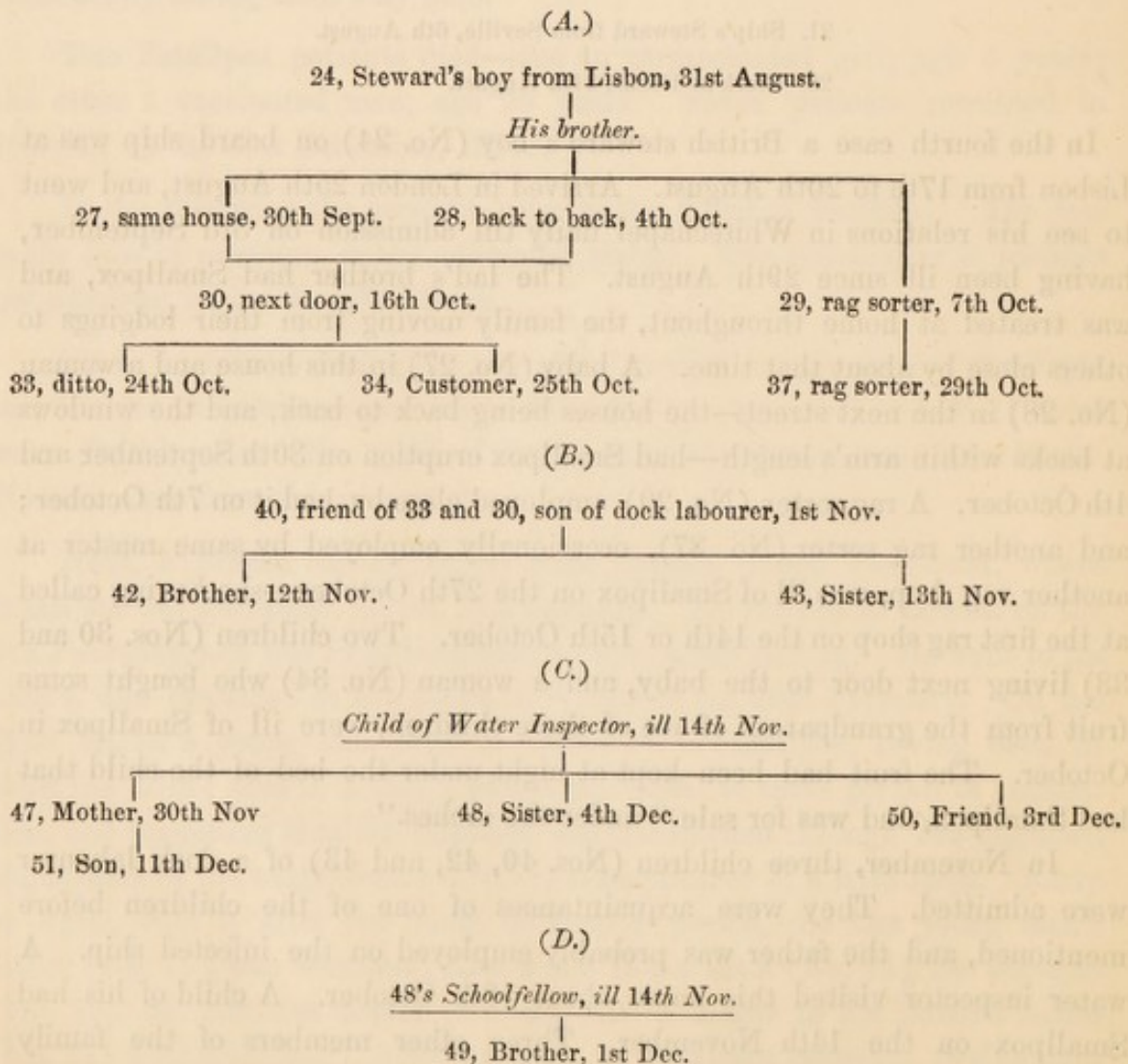
In the fourth case a British steward's boy (No. 24) on board ship was at Lisbon from 17th to 20th August. Arrived in London 25th August, and went to see his relations in Whitechapel daily till admission on 3rd September, having been ill since 29th August. The lad's brother had Smallpox, and was treated at home throughout, the family moving from their lodgings to others close by about that time. A baby (No. 27) in this house and a woman (No. 28) in the next street—the houses being back to back, and the windows at backs within arm's length—had Smallpox eruption on 30th September and 4th October. A rag sorter (No. 29), employed close by, had it on 7th October ; and another rag sorter (No. 37), occasionally employed by same master at another rag shop, was ill of Smallpox on the 27th October—she having called at the first rag shop on the 14th or 15th October. Two children (Nos. 30 and 33) living next door to the baby, and a woman (No. 34) who bought some fruit from the grandparent of one of these children, were ill of Smallpox in October. The fruit had been kept at night under the bed of the child that had Smallpox, and was for sale "under the arches."

In November, three children (Nos. 40, 42, and 43) of a dock labourer were admitted. They were acquaintances of one of the children before mentioned, and the father was probably employed on the infected ship. A water inspector visited this house about 18th October. A child of his had Smallpox on the 14th November. Three other members of the family

(Nos. 47, 48, and 51) and a friend (No. 50) were admitted at end of November and early in December.

All the members of this group are acquaintances, friends, or relatives of some one else in the group. Several of them have some members of their families attending two schools in that district. A woman (No. 44), ill on 12th November, saw and touched the body of a neighbour's child (said to be dead of Chickenpox) on the 31st October. The neighbour's other child attended the girls' school. Another girl, attending this school, was told by a schoolfellow that she (the speaker) had just recovered from Smallpox. The listener was subsequently ill, treated at home, and communicated Smallpox to her sister (No. 46); admitted 1st December. One of the children of the water inspector attended the infant school; a child at that school was subsequently ill, treated at home, and infected her brother (No. 49); admitted 5th December.

It has not been possible to establish the direct connection of all these cases, but the dates indicate a common origin, which is supported by the known intercourse among the individuals.



(E.)

31st Oct., Dead child, "Chickenpox."

44, Visitor, 14th Nov.

(F.)

"Just recovered," schoolgirl.Schoolfellow ill about middle of Nov.

46, Sister, 29th Nov.

Four of the patients then had contracted Smallpox abroad—one in Egypt (No. 4), one in Portugal (No. 24), two in Spain (Nos. 1 and 21). Thus, while one of the cases was not known to have communicated the disease to anyone else, the other three are probably severally responsible for one, seven, and seventeen, altogether twenty-five; or if a man employed at the docks and his daughter (Nos. 16 and 15) are included, then thirty-one out of the 51 patients admitted during the year, were infected by disease imported from abroad.

Besides, however, these four foreign importations of Smallpox into London, the disease was introduced from the provinces on three separate occasions. One each from Portsmouth, Stockton-on-Tees, and Sheffield (Nos. 18, 17, and 22). Probably one from Rotherham (No. 26), and possibly a second case from Sheffield (No. 36). One certainly (No. 25), and possibly two others (Nos. 31 and 38), owed their attacks to these sources.

No person employed at the Ships has contracted Smallpox during the year. Of 122 persons vaccinated, 85 succeeded, 25 failed; in 12 the result was not known.

VACCINATION STATISTICS.

TABLE A.—Showing Results of Vaccination.

	Once.		Twice.		3 times.		Result not known.	Total.
	Suc.	Fail.	Suc.	Fail.	Suc.	Fail.		
Members of Staff	30	7	3	1	...	2	1	44
Contractors' Men	33	6	1	1	...	...	6	47
Others	14	6	4	2	...	...	5	31
Total	77	19	8	4	...	2	12	122

TABLE B.—*Showing result of Vaccinating Persons after Smallpox.*

Interval.	Number of Persons.	Evidence of Smallpox other than Person's Statement.	Result.	
			Success.	Failure.
Not known	1	None	...	1
40 to 50 years ago	1	None	1	...
30 to 40 "	2	None	2	...
20 to 30 "	3	All scarred	3	...
10 to 20 "	2	{ One scarred One not	1 ...	... 1
7 "	1	Scarred	1	...
6 "	1	Scarred	1	...

TABLE C.—*Showing result of present Vaccination of Staff and Contractors' Men, excluding Table B, and result not known with information of previous vaccination.*

Date of last successful Vaccination.	Number of Persons.	Result of present Vaccination.	
		Success.	Failure.
Not previously vaccinated... ..	1	1	—
Primary vaccination only... ..	32	30	2
Unsuccessful and doubtful previous revaccination	9	4	5
Successful revaccination 40 to 50 years ago ...	1	1	—
" " 20 to 30 " " ...	2	2	—
" " 10 to 20 " " ...	9	9	—
" " 8 " " ...	2	1	1
" " 7 " " ...	2	2	—
" " 6 " " ...	2	2	—
" " 4 " " ...	2	1	1
" " 3 " " ...	8	5	3
" " 2 " " ...	1	1	—
" " 1 " " ...	2	—	2

I claim to have established as a result of treatment in a large number of cases, that the administration of menthol in large doses and the application of a watery mixture of Pulv. Cretæ Aromat., begun before or during early vesiculation of confluent Smallpox, has the effect of arresting the disease and modifying the eruption.

LIST OF PATIENTS, 1887—(continued).

No.	Initial.	Age.	Sex.	Protection.	Transfer or Direct.	Date of Initial Illness.	Date of Eruption.	Date of Admission here.	Date of Discharge.	Date of Death.	Parish or Union.	REMARKS.
21	N. G.	30	M.	Vac.	D.	3 Aug.	6 Aug.	8 Aug.	27 Aug.	...	Greenwich ...	17 to 23 July at Seville, arr. London 4 Aug.—Smallpox at Seville.
22	C. C.	26	M.	Vac.	D.	12 Aug.	15 Aug.	19 Aug.	19 Sept.	...	Westminster ...	Left Sheffield about 29 July, arr. London about 4 Aug.
23	W. Y.	29	M.	Re-Vac. unsuccess- essentially 6 years ago.	S.E.H. 24 Aug.	18 Aug.	23 Aug.	25 Aug.	3 Oct.	...	Bethnal Green	Accompanied 21 on 8 Aug. to hospital, and daily visited infected steamer from 4 Aug.
24	H. S.	18	M.	Vac.	D.	29 Aug.	31 Aug.	3 Sept.	1 Oct.	...	St. George's, E.	17 to 20 Aug. at Lisbon, arr. London 25 Aug.—Brother subsequently treated for Smallpox at home.
25	A. C.	16	F.	Vac.	S.E.H. 5 Sept.	29 Aug.	1 Sept.	6 Sept.	1 Oct.	...	Westminster ...	22's sister.
26	M. F.	28	M.	Doubtful.	S.E.H. 17 Sept.	13 Sept.	15 Sept.	18 Sept.	29 Oct.	...	St. Saviour's ...	Came from Rotherham about five weeks before admission—Smallpox at Rotherham.
27	J. S.	10 mos.	F.	Not Vac.	D.	...	30 Sept.	3 Oct.	31 Oct.	...	Whitechapel ...	24's brother was ill of Smallpox at this patient's home.
28	S. W.	35	F.	Vac.	D.	30 Sept.	4 Oct.	4 Oct.	31 Oct.	...	Whitechapel ...	House back to back with 27's house.
29	S. H.	23	M.	Doubtful.	S.E.H. 10 Oct.	5 Oct.	7 Oct.	11 Oct.	10 Dec.	...	St. Olave's ...	Rag sorter, employed close to 27's house.
30	J. C.	4	F.	Doubtful.	S.E.H. 17 Oct.	...	16 Oct.	18 Oct.	22 Nov.	...	Whitechapel ...	Lives next door to 27.
31	A. H.	14	F.	Vac.	D.	17 Oct.	19 Oct.	21 Oct.	22 Nov.	...	St. Saviour's ...	Lives next door to 27
32	<i>Ethyma</i>											
33	P. C.	14	M.	Vac.	D.	...	...	26 Oct.	3 Dec.	...	Whitechapel ...	Four years ago a young man died in her house of Smallpox—About 11 Oct. bought fruit at 30's grandmother's stall under the arches.
34	M. A. A.	38	F.	Inoculated.	D.	22 Oct.	25 Oct.	26 Oct.	22 Nov.	..	Whitechapel ...	
35	M. R.	10	F.	Doubtful.	N.H.	...	...	28 Oct.	17 Dec.	...	Lambeth ...	
36	J. C.	34	M.	Vac.	E.H.	...	...	28 Oct.	3 Dec.	...	Holborn ...	A street piano organist—Nearest relation lives at Sheffield.
37	A. C.	22	F.	Vac.	S.E.H. 31 Oct.	27 Oct.	29 Oct.	1 Nov.	19 Nov.	..	St. George's, E.	On 14 or 15 Oct., went to ragshop where 29 works; occasionally works for same master at other branch. On the same day a man with scabs on his face passed her on a tram steps.
38	A. L. W.	16	F.	Vac.	D.	24 Oct.	31 Oct.	3 Nov.	5 Dec.	...	St. Olave's ...	

LIST OF PATIENTS, 1887—(continued).

No.	Initial.	Age.	Sex.	Protection.	Transfer or Direct.	Date of Initial Illness.	Date of Eruption.	Date of Admission here.	Date of Discharge.	Date of Death.	Parish or Union.	REMARKS.
39	A. C.	13	M.	Vac.	S. E. H. 4 Nov.	29 Oct.	4 Nov.	5 Nov.	3 Dec.	...	St. Olave's ...	
40	J. H.	10	M.	Vac.	D.	30 Oct.	1 Nov.	5 Nov.	28 Nov.	...	St. George's, E.	Father a dock labourer. 34 says she thinks he worked on 24's steamer.
41	A. F.	23	M.	Vac.	D.	8 Nov.	10 Nov.	12 Nov.	10 Dec.	...	St. Pancras ...	
42	C. H.	6	M.	Not Vac.	D.	9 or 10 Nov.	12 Nov.	15 Nov.	...	...	St. George's, E.	40's brother.
43	E. H.	14	F.	Vac.	D.	8 Nov.	11 Nov.	15 Nov.	5 Dec.	...	St. George's, E.	40's sister and friend of 30 and 33's sister.
44	S. A. V.	34	F.	Vac.	D.	12 Nov.	14 Nov.	17 Nov.	6 Dec.	...	Poplar ...	On 31 October saw and touched the body of a neighbour's child said to be dead of Chickenpox. The neighbour's other child attended the girls' school.
45	M. C.	47	F.	Vac.	D.	21 Nov.	26 Nov.	28 Nov.	24 Dec.	...	Wandsworth and Clapham	Smallpox next door but one "for quite three months past."
46	F. J.	17	F.	Vac.	D.	26 Nov.	29 Nov.	1 Dec.	...	...	Poplar ...	Sister attends same school as 44's children, and has had Smallpox at home; a schoolfellow told sister she had just recovered from Smallpox.
47	C. J.	40	F.	Vac.	D.	26 Nov.	30 Nov.	1 Dec.	24 Dec.	...	Poplar ...	Child attends same school as 44's child and the fatal Chickenpox child's sister's school.
48	K. J.	6	F.	Three times unsuccessfully.	D.	...	4 Dec.	4 Dec.	...	...	Poplar ...	Another child attends the infants' school. A child at home had Smallpox 14 to 28 Nov. Patient's husband is a water inspector, and visited 40's home about 18th Oct.
49	C. W.	12	M.	Vac.	D.	29 Nov.	30 Nov.	5 Dec.	...	...	Bethnal Green	47's daughter—slept with the sister that had Smallpox at home.
50	T. W.	14	M.	Vac.	D.	...	1 Dec or 3 Dec.	6 Dec.	24 Dec.	...	Poplar ...	Sister ill at home 14 Nov., eruption 17th; sister attends same infant school as 48. Patient is an acquaintance of 51.
51	A. J. J.	13	M.	Vac.	D.	...	11 Dec.	12 Dec.	24 Dec.	...	Poplar ...	An acquaintance of 51.
52	A. O.	15	F.	Vac.	D.	8 Dec.	10 Dec.	14 Dec.	...	...	Mile End ...	47's son.
53	A. R.	16	F.	Vac.	D.	19 Dec.	23 Dec.	26 Dec.	...	...	St. Saviour's ...	Says a child in the house had Smallpox.
54	E. J. W.	15	F.	Vac.	D.	23 Dec.	25 Dec.	29 Dec.	...	...	St. Pancras ...	Domestic servant employed near King's Cross. Domestic servant to a dealer in cast-off clothes.

I have the honour to be, your obedient servant, (Signed) R. A. BIRDWOOD, *Medical Superintendent.*

DISEASES.	EASTERN HOSPITALS.									
	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.	
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.				
Scarlet	220	1,603	...	1,823	990	392	114	7.36	327	
Enteric	45	230	...	275	168	...	39	17.89	68	
Typhus ... ..	...	7	...	7	7	...	...	...	...
Other diseases	3	67	...	70	41	...	19	30.16	10	
Totals	268	1,907	...	2,175	1,206	392	172	9.35	405	
DISEASES.	PLAISTOW HOSPITAL.									
	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.	
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.				
Scarlet ... ..	...	105	15	120	15	...	9	13.3	96
Other diseases ... ..	...	1	...	1	1	...	...	...	...
Totals ... ..	...	106	15	121	16	...	9	13.3	96
DISEASES.	NORTH-WESTERN HOSPITAL.									
	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.	
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.				
Scarlet ... ..	...	714	56	770	293	133	33	5.51	311
Other diseases ... ..	...	7	...	7	5	...	2	33.33	...
Totals ... ..	...	721	56	777	298	133	35	5.63	311
DISEASES.	WESTERN HOSPITAL.									
	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.	
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.				
Scarlet	118	1,115	...	1,233	507	437	*102	†8.42	187	
Enteric	1	49	...	50	23	...	7	17.28	20	
Typhus ... ..	...	...	...	...	...	...	...	...	...
Other diseases	1	21	...	22	13	...	7	34.14	2	
Totals	120	1,185	...	1,305	543	437	116	10.12	209	

* 9 from Measles after Scarlet Fever; 1 from Bronchitis; 1 from Scarlet Fever and Diphtheria combined.

† Corrected for Measles, Diphtheria, and Bronchitis.

SOUTH-WESTERN HOSPITALS.									
DISEASES.	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet ... ..	...	971	42	1,013	269	337	68	8.53	339
Other diseases ... ..	...	11	...	11	11	...	...	...	...
Totals ... ..	...	982	42	1,024	280	337	68	8.3	339
SOUTH-EASTERN HOSPITAL.									
DISEASES.	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet	154	1,392	...	1,546	697	496	*147	†10.761	206
Enteric	45	162	...	207	143	...	15	9.375	49
Typhus	1	28	...	29	23	...	4	14.54	2
Other diseases ... ..	...	54	...	54	20	...	31	59.04	3
Totals	200	1,636	...	1,836	883	496	197	12.26	260
NORTHERN HOSPITAL.									
DISEASES.	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet ... ..	...	...	1,682	1,682	1,082	...	16	.95	584
Other diseases ... ..	...	...	...	...	...	...	...	...	...
Totals ... ..	...	...	1,682	1,682	1,082	...	16	.95	584
SUMMARY.									
DISEASES.	Remain- ing on 31st Dec., 1886.	Admitted during 1887.		Total treated during 1887.	Discharged during 1887.		Died during 1887.	Mortality per cent.	Remain- ing on 31st Dec., 1887.
		Direct from homes.	From other Hospitals of Board.		Re- covered.	To other Hospitals of Board.			
Scarlet	492	5,900	...	6,392	3,853	...	489	9.54	2,050
Enteric	91	441	...	532	334	...	61	14.59	137
Typhus	1	35	...	36	30	...	4	11.59	2
Other diseases	4	161	...	165	91	...	59	37.94	15
Grand Totals	588	6,537	...	7,125	4,308	...	613	10.69	2,204

om Hydrophobia—the first symptoms appeared 7 days after patient's admission : 2 from Measles contracted during convalescence from Scarlet Fever ; 1 from Smallpox.

† Corrected for Hydrophobia, Measles, and Smallpox.

EASTERN HOSPITALS.			ADMISSIONS.					DEATHS.	DISCHARGES.		
			Scarlet.		Enteric.	Typhus.	Other Diseases.		Total.	Re-covered.	To other Hospitals of Board.
			Direct from Homes.	From other Hospitals of Board.							
January ...	...	...	70	...	7	...	4	81	12	78	...
February ...	...	...	50	...	17	...	2	69	5	94	...
March ...	...	...	46	...	5	...	5	56	7	78	...
April ...	...	...	53	...	3	...	4	60	3	86	...
May ...	...	...	105	...	1	...	3	109	11	65	...
June ...	...	...	78	...	10	...	5	93	8	58	...
July ...	...	...	133	...	5	...	6	144	8	105	...
August ...	...	...	161	...	37	7	4	209	13	105	40
September ...	...	...	205	...	22	...	3	230	20	116	60
October ...	...	...	352	...	40	...	9	401	23	122	90
November ...	...	...	180	...	55	...	12	247	42	140	78
December ...	...	...	170	...	28	...	10	208	20	159	124
Totals ...	...	...	1,603	...	230	7	67	1,907	172	1,206	392
PLAISTOW HOSPITAL.											
January ...	...	...	...	...	...	...	...	...	...	...	...
February ...	...	...	...	...	...	...	...	...	...	...	...
March ...	...	...	...	...	...	...	...	...	...	...	...
April ...	...	...	...	...	...	...	...	...	...	...	...
May ...	...	...	...	...	...	...	...	...	...	...	...
June ...	...	...	...	...	...	...	...	...	...	...	...
July ...	...	...	...	...	...	...	...	...	...	...	...
August ...	...	...	...	...	...	...	...	...	...	...	...
September ...	...	...	...	...	...	...	...	...	...	...	...
October ...	...	...	...	...	...	...	...	...	...	...	...
November ...	...	...	87	15	...	...	1	103	2	...	...
December ...	...	...	18	...	...	...	...	18	7	16	...
Totals ...	...	...	105	15	...	...	1	121	9	16	...
NORTH-WESTERN HOSPITAL.											
January ...	...	...	...	...	...	...	...	...	...	...	...
February ...	...	...	...	...	...	...	...	...	...	...	...
March ...	...	...	...	...	...	...	...	...	...	...	...
April ...	...	...	...	...	...	...	...	...	...	...	...
May ...	...	...	...	...	...	...	...	...	...	...	...
June ...	...	...	...	...	...	...	...	...	...	...	...
July ...	...	...	...	...	...	...	...	...	...	...	...
August ...	...	...	117	56	...	...	...	173	3	1	...
September ...	...	...	88	...	...	...	1	89	2	21	20
October ...	...	...	248	...	...	...	1	249	12	62	77
November ...	...	...	191	...	...	...	4	195	12	59	12
December ...	...	...	70	...	...	...	1	71	6	155	24
Totals ...	...	...	714	56	...	...	7	777	35	298	133
WESTERN HOSPITAL.											
January ...	...	...	57	...	...	...	...	57	3	54	...
February ...	...	...	52	...	...	...	2	54	7	43	...
March ...	...	...	51	...	...	...	1	52	3	50	...
April ...	...	...	58	...	...	...	1	59	3	56	...
May ...	...	...	60	...	...	...	1	61	5	54	...
June ...	...	...	42	...	...	...	...	42	10	34	...
July ...	...	...	94	...	3	...	...	97	7	67	...
August ...	...	...	83	...	10	...	2	95	11	41	8
September ...	...	...	194	...	8	...	2	204	11	58	102
October ...	...	...	182	...	5	...	7	194	21	17	135
November ...	...	...	91	...	12	...	2	105	19	26	72
December ...	...	...	151	...	11	...	3	165	16	43	120
Totals ...	...	...	1,115	...	49	...	21	1,185	116	543	437

SOUTH-WESTERN HOSPITALS.			ADMISSIONS.				DEATHS.	DISCHARGES.	
MONTH.	Scarlet.		Enteric.	Typhus.	Other Diseases.	Total.		Re-covered.	To other Hospitals of Board.
	Direct from Homes.	From other Hospitals of Board.							
January ...	...	...	...	...	...	...	...	...	...
February ...	...	...	...	...	...	...	...	...	...
March ...	...	...	...	...	...	...	...	...	...
April ...	...	...	...	...	...	...	...	...	...
May ...	...	...	...	...	...	...	...	...	...
June ...	...	...	...	...	...	...	...	...	...
July ...	...	...	...	...	...	...	...	...	...
August ...	...	...	...	...	...	...	...	...	...
September ...	338	42	...	...	1	381	16	15	...
October ...	285	...	...	...	9	294	23	30	193
November ...	178	...	...	...	1	179	16	87	95
December ...	170	...	...	...	...	170	13	148	49
Totals ...	971	42	...	...	11	1,024	68	280	337
SOUTH-EASTERN HOSPITAL.									
January ...	48	...	9	13	2	72	9	68	...
February ...	39	...	11	8	2	60	8	76	...
March ...	46	...	10	...	1	57	4	56	...
April ...	56	...	12	2	7	77	9	82	...
May ...	71	...	2	1	3	77	6	65	...
June ...	82	...	4	2	4	92	10	66	...
July ...	131	...	6	...	5	142	19	66	...
August ...	159	...	15	...	10	184	23	76	8
September ...	212	...	24	...	7	243	28	104	52
October ...	205	...	17	...	3	225	27	64	122
November ...	251	...	22	...	7	280	32	60	173
December ...	92	...	30	2	3	127	22	100	141
Totals ...	1,392	...	162	28	54	1,636	197	883	496
NORTHERN HOSPITAL.									
January ...	...	...	...	...	...	...	...	...	...
February ...	...	...	...	...	...	...	...	...	...
March ...	...	...	...	...	...	...	...	...	...
April ...	...	...	...	...	...	...	...	...	...
May ...	...	...	...	...	...	...	...	...	...
June ...	...	...	...	...	...	...	...	...	...
July ...	...	...	...	...	...	...	...	...	...
August ...	...	...	...	...	...	...	...	...	...
September ...	...	192	...	...	...	192	...	...	...
October ...	...	617	...	...	...	617	...	109	...
November ...	...	415	...	...	...	415	8	389	...
December ...	...	458	...	...	...	458	8	584	...
Totals ...	...	1,682	...	...	...	1,382	16	1,082	...
SUMMARY.									
January ...	175	...	16	13	6	210	24	200	...
February ...	141	...	28	8	6	183	20	213	...
March ...	143	...	15	...	7	165	14	184	...
April ...	167	...	15	2	12	196	15	224	...
May ...	236	...	3	1	7	247	22	184	...
June ...	202	...	14	2	9	227	28	158	...
July ...	358	...	14	...	11	383	34	238	...
August ...	520	...	62	7	16	605	50	223	56
September ...	1,037	...	54	...	14	1,105	77	314	234
October ...	1,272	...	62	...	29	1,363	166	404	617
November ...	978	...	89	...	27	1,094	131	761	430
December ...	671	...	69	2	17	759	92	1,205	458
Grand Totals ...	5,900	...	441	35	161	6,537	613	4,308	1,795

FEVER STATISTICS—TABLES III.—*Showing the Admissions
and the proportion of Scarlet Fever Cases*

PARISHES AND UNIONS.	Enumerated POPULATION in 1881.	Admissions of Scarlet Fever Cases per 1,000 of Population.	EASTERN HOSPITALS.					PLAISTOW HOSPITAL.			NORTH- WESTERN HOSPITAL.			
			Scarlet.	Enteric.	Typhus.	Other Diseases.	Total	Scarlet.	Other Diseases.	Total.	Scarlet.	Other Diseases.	Total.	
W. DISTRICT.	Kensington	163,151	1·9	...	1	...	1	2	...	...	...	21	1	22
	Fulham	114,839	1·87	...	...	...	1	1	...	...	...	11	...	11
	Paddington	107,218	2·15	3	...	...	...	3	...	...	...	68	4	72
	Chelsea	88,128	1·8	1	3	...	...	4	...	...	...	26	...	26
	St. George's	149,748	1·75	5	1	...	...	6	...	...	...	28	...	28
Westminster	46,549	1·84	1	...	...	1	2	...	...	...	15	...	15	
N. DISTRICT.	St. Marylebone	154,910	2·42	61	1	...	...	62	...	...	...	215	...	215
	St. Pancras	236,258	1·22	44	2	...	1	47	...	...	...	196	1	197
	Hampstead	45,452	0·74	4	...	...	...	4	...	...	...	20	...	20
	Islington	282,865	0·92	205	35	1	11	252	18	...	18	33	...	33
	Hackney	186,462	1·22	220	51	...	14	285	8	...	8	...	...	...
CENTRAL DIST.	{ St. Giles & St. George, Bloomsbury }	45,382	2·02	6	...	...	...	6	...	...	...	32	...	32
	Strand	33,582	1·72	2	...	...	...	2	1	...	1	18	...	18
	Holborn	151,835	2·62	289	21	...	4	314	17	...	17	26	1	27
	London, City of	51,439	1·34	54	1	...	...	55	6	...	6	...	...	...
E. DISTRICT.	Shoreditch	126,591	1·54	155	28	.	10	193	20	...	20	5	...	5
	Bethnal Green	126,961	1·34	142	16	1	10	169	16	...	16	...	...	...
	Whitechapel	71,363	1·83	120	2	5	5	132	4	...	4	...	...	...
	St. George-in-the-East	47,157	1·59	65	11	..	1	77	2	...	2	...	...	...
	Stepney	58,543	1·26	66	15	...	2	83	5	...	5	...	...	...
	Mile End Old Town ...	105,613	0·91	87	7	...	4	98	4	...	4	...	...	...
	Poplar	156,510	0·47	65	20	...	1	86	3	...	3	...	...	...
S. DISTRICT.	St. Saviour's	195,164	1·97	3	...	...	...	3	1	...	1	...	...	...
	St. Olave's	134,632	1·26	...	2	...	...	2	...	...	...	...	...	...
	Lambeth	253,699	2·44	...	2	...	...	2	...	...	...	...	...	...
	Wandsworth & Clapham	210,434	2·00	3	5	...	1	9	...	...	...	...	...	...
	Camberwell	186,593	1·43	2	1	...	...	3	...	...	...	...	...	...
	Greenwich	131,233	0·64	...	...	...	...	...	...	...	...	...	...	...
	Woolwich	80,845	0·12	...	4	...	...	4	...	...	...	...	...	...
	Lewisham	73,327	0·7	...	1	...	...	1	...	...	...	...	...	...
Beyond Met. Area ...	...	...	...	...	...	...	...	...	1	1	...	...	...
TOTALS	3,816,483	1·54	1,603	230	7	67	1,907	105	1	106	714	7	721	

WESTERN HOSPITAL.					SOUTH-WESTERN HOSPITALS.			SOUTH-EASTERN HOSPITAL.					SUMMARY.				
Scarlet.	Enteric.	Typhus.	Other Diseases.	Total.	Scarlet.	Other Diseases.	Total.	Scarlet.	Enteric.	Typhus.	Other Diseases.	Total.	Scarlet.	Enteric.	Typhus.	Other Diseases.	Grand Total.
250	4	...	5	259	22	1	23	18	2	...	1	21	311	7	...	9	327
188	3	...	3	194	13	1	14	3	6	...	2	11	215	9	...	7	231
135	1	...	2	138	6	...	6	19	1	...	1	21	231	2	...	7	240
109	10	...	3	122	10	1	11	13	6	4	1	24	159	19	4	5	187
175	4	...	4	183	23	...	23	32	1	...	...	33	263	6	...	4	273
41	2	...	1	44	4	...	4	25	...	...	...	25	86	2	...	2	90
85	9	...	...	94	9	...	9	6	1	...	1	8	376	11	...	1	388
49	5	...	...	54	...	...	...	...	1	...	...	1	289	8	...	2	299
5	...	...	...	5	...	...	...	5	...	...	...	5	34	...	...	...	34
2	...	...	...	2	5	...	5	...	2	...	1	3	263	37	1	12	313
...	...	...	...	...	...	...	...	1	...	...	...	1	229	51	...	14	294
31	3	...	...	34	4	...	4	19	3	4	2	28	92	6	4	2	104
25	2	...	3	30	3	...	3	9	...	...	1	10	58	2	...	4	64
3	1	...	...	4	38	...	38	25	3	...	...	28	398	25	...	5	428
...	...	...	...	...	7	...	7	2	...	1	...	3	69	1	1	...	71
...	...	...	...	...	12	...	12	3	3	...	...	6	195	31	...	10	236
...	...	...	...	...	10	...	10	3	1	...	1	5	171	17	1	11	200
...	...	...	...	...	5	...	5	2	...	...	...	2	131	2	5	5	143
...	...	...	...	...	8	...	8	...	...	1	...	1	75	11	1	1	88
...	...	...	...	...	3	...	3	...	1	1	...	2	74	16	1	2	93
...	...	...	...	...	5	...	5	1	2	...	1	4	97	9	...	5	111
...	...	...	...	...	6	...	6	...	7	...	1	8	74	27	...	2	103
...	2	...	...	2	84	...	84	297	20	9	7	333	385	22	9	7	423
...	1	...	...	1	38	...	38	132	16	1	5	154	170	19	1	5	195
7	...	...	...	7	337	7	344	276	17	...	7	300	620	19	...	14	653
10	...	...	...	10	264	1	265	144	32	...	9	185	421	37	...	11	469
...	2	...	...	2	46	...	46	220	12	7	9	248	268	15	7	9	299
...	...	...	...	...	7	...	7	77	20	...	2	99	84	20	...	2	106
...	...	...	...	...	...	...	...	10	2	...	2	14	10	6	...	2	18
...	...	...	...	...	2	...	2	50	3	...	...	53	52	4	...	...	56
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
1,115	49	...	21	1,185	971	11	982	1,392	162	28	54	1,636	5,900	441	35	161	6,537

AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
EASTERN HOSPITALS.						
Under 5	244	29	242	40	486	69
5 to 9	303	16	356	16	659	32
10 to 14	112	3	118	3	230	6
15 to 19	66	4	55	2	121	6
20 to 24	28	1	31	...	59	1
25 to 29	12	...	10	...	22	...
30 to 34	6	...	5	...	11	...
35 to 39	4	...	6	...	10	...
40 to 44	2	...	1	...	3	...
45 to 49 ... ..	...	...	...	...	...	...
50 to 54 ... ..	...	...	2	...	2	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	777	53	826	61	1,603	114
PLAISTOW HOSPITAL.						
Under 5	15	4	13	1	28	5
5 to 9	17	1	34	3	51	4
10 to 14	5	...	8	...	13	...
15 to 19	4	...	3	...	7	...
20 to 24 ... ..	...	...	2	...	2	...
25 to 29 ... ..	...	...	3	...	3	...
30 to 34 ... ..	...	...	1	...	1	...
35 to 39 ... ..	...	...	...	...	...	...
40 to 44 ... ..	...	...	...	...	...	...
45 to 49 ... ..	...	...	...	...	...	...
50 to 54 ... ..	...	...	...	...	...	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	41	5	64	4	105	9
NORTH-WESTERN HOSPITAL.						
Under 5	86	9	91	10	177	§19
5 to 9	146	8	160	2	306	10
10 to 14	64	1	73	1	137	2
15 to 19	24	1	22	...	46	1
20 to 24	14	...	10	...	24	...
25 to 29	6	...	3	...	9	...
30 to 34	4	1	2	...	6	1
35 to 39 ... ..	...	...	2	...	2	...
40 to 44	1	...	2	...	3	...
45 to 49 ... ..	...	...	1	...	1	...
50 to 54	1	...	2	...	3	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	346	20	368	13	714	33
WESTERN HOSPITAL.						
Under 5	173	*37	173	†34	346	†71
5 to 9	221	11	229	13	450	24
10 to 14	60	1	108	1	168	2
15 to 19	30	4	37	1	67	5
20 to 24	13	...	30	...	43	...
25 to 29	7	...	8	...	15	...
30 to 34	6	...	9	...	15	...
35 to 39	2	...	3	...	5	...
40 to 44 ... ..	...	...	2	...	2	...
45 to 49	1	...	3	...	4	...
50 to 54 ... ..	...	...	...	...	...	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	513	53	602	49	1,115	102

* 5 of intercurrent maladies. † 6 of intercurrent maladies. § 1 transferred from Eastern Hospital. ‡ 11 of intercurrent maladies.

AGES.	MALES.		FEMALES.		TOTAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
SOUTH-WESTERN HOSPITALS.						
Under 5	140	14	123	19	263	33
5 to 9	203	14	199	12	402	26
10 to 14	100	3	87	1	187	4
15 to 19	26	...	35	4	61	4
20 to 24	10	...	15	...	25	...
25 to 29	11	...	7	1	18	1
30 to 34	3	...	3	...	6	...
35 to 39	3	...	2	...	5	...
40 to 44	1	...	2	...	3	...
45 to 49	1	...	...	...	1	...
50 to 54 ... ..	...	...	...	...	...	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	498	31	473	37	971	68
SOUTH-EASTERN HOSPITAL.						
Under 5	177	*45	173	‡39	350	84
5 to 9	322	†27	287	16	609	43
10 to 14	125	6	108	4	233	10
15 to 19	68	3	45	1	113	4
20 to 24	19	...	25	1	44	1
25 to 29	9	1	14	...	23	1
30 to 34	4	1	7	2	11	3
35 to 39	2	1	2	...	4	1
40 to 44	1	...	2	...	3	...
45 to 49 ... ..	...	...	1	...	1	...
50 to 54 ... ..	...	...	1	...	1	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals	727	84	665	63	1,392	147
NORTHERN HOSPITAL.						
Under 5 ... ..	...	6	...	7	...	13
5 to 9 ... ..	...	1	...	1	...	2
10 to 14 ... ..	...	1	...	...	...	1
15 to 19 ... ..	...	...	...	...	...	...
20 to 24 ... ..	...	...	...	...	...	...
25 to 29 ... ..	...	...	...	...	...	...
30 to 34 ... ..	...	...	...	...	...	...
35 to 39 ... ..	...	...	...	...	...	...
40 to 44 ... ..	...	...	...	...	...	...
45 to 49 ... ..	...	...	...	...	...	...
50 to 54 ... ..	...	...	...	...	...	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Totals ... ..	...	8	...	8	...	16
SUMMARY.						
Under 5	835	144	815	150	1,650	294
5 to 9	1,212	78	1,265	63	2,477	141
10 to 14	466	15	502	10	968	25
15 to 19	218	12	197	8	415	20
20 to 24	84	1	113	1	197	2
25 to 29	45	1	45	1	90	2
30 to 34	23	2	27	2	50	4
35 to 39	11	1	15	...	26	1
40 to 44	5	...	9	...	14	...
45 to 49	2	...	5	...	7	...
50 to 54	1	...	5	...	6	...
55 to 59 ... ..	...	...	...	...	...	...
And upwards ... ..	...	...	...	...	...	...
Grand Totals	2,902	254	2,998	235	5,900	489

* One from Hydrophobia ;—one from Measles. † One from Smallpox. ‡ One from Measles.

AGES.						MALES.		FEMALES.		TOTAL.	
						Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
EASTERN HOSPITALS.											
Under 5	...	...	...	...	2	...	1	...	3	...	...
5 to 9	...	...	...	...	11	2	13	1	24	3	3
10 to 14	...	...	...	...	26	4	21	3	47	7	7
15 to 19	...	...	...	...	29	7	29	4	58	11	11
20 to 24	...	...	...	...	23	2	19	1	42	3	3
25 to 29	...	...	...	...	20	2	6	3	26	5	5
30 to 34	...	...	...	...	4	3	6	2	10	5	5
35 to 39	...	...	...	...	7	1	1	1	8	2	2
40 to 44	...	...	...	...	9	2	...	...	9	2	2
45 to 49	...	...	...	...	...	...	1	...	1	...	...
50 to 54	...	...	...	...	1	1	...	...	1	1	1
55 to 59	...	...	...	...	...	...	...	...	...	...	...
And upwards	...	...	...	...	1	...	...	...	1	...	...
Totals	...	...	...	...	133	24	97	15	230	39	39
WESTERN HOSPITAL.											
Under 5	...	...	...	...	...	...	...	...	...	...	...
5 to 9	...	...	...	...	2	1	3	...	5	1	1
10 to 14	...	...	...	...	6	...	2	1	8	1	1
15 to 19	...	...	...	...	10	...	4	2	14	2	2
20 to 24	...	...	...	...	9	1	5	...	14	1	1
25 to 29	...	...	...	...	4	1	...	...	4	1	1
30 to 34	...	...	...	...	2	...	...	...	2	...	...
35 to 39	...	...	...	...	...	...	1	...	1	...	...
40 to 44	...	...	...	...	...	...	...	...	...	...	...
45 to 49	...	...	...	...	...	...	...	...	...	...	...
50 to 54	...	...	...	...	...	...	...	...	...	...	...
55 to 59	...	...	...	...	1	1	...	...	1	1	1
And upwards	...	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	34	4	15	3	49	7	7
SOUTH-EASTERN HOSPITAL.											
Under 5	...	...	...	...	2	...	2	...	4	...	...
5 to 9	...	...	...	...	9	...	16	...	25	...	...
10 to 14	...	...	...	...	19	...	14	...	33	...	...
15 to 19	...	...	...	...	13	...	17	1	30	1	1
20 to 24	...	...	...	...	8	1	12	3	20	4	4
25 to 29	...	...	...	...	11	...	12	3	23	3	3
30 to 34	...	...	...	...	6	1	7	1	13	2	2
35 to 39	...	...	...	...	2	...	4	1	6	1	1
40 to 44	...	...	...	...	3	2	2	...	5	2	2
45 to 49	...	...	...	...	...	...	...	...	...	...	...
50 to 54	...	...	...	...	...	...	1	1	1	1	1
55 to 59	...	...	...	...	...	...	...	...	...	...	...
And upwards	...	...	...	...	2	1	...	...	2	1	1
Totals	...	...	...	...	75	5	87	10	162	15	15
SUMMARY.											
Under 5	...	...	...	...	4	...	3	...	7	...	...
5 to 9	...	...	...	...	22	3	32	1	54	4	4
10 to 14	...	...	...	...	51	4	37	4	88	8	8
15 to 19	...	...	...	...	52	7	50	7	102	14	14
20 to 24	...	...	...	...	40	4	36	4	76	8	8
25 to 29	...	...	...	...	35	3	18	6	53	9	9
30 to 34	...	...	...	...	12	4	13	3	25	7	7
35 to 39	...	...	...	...	9	1	6	2	15	3	3
40 to 44	...	...	...	...	12	4	2	...	14	4	4
45 to 49	...	...	...	...	...	...	1	...	1	...	...
50 to 54	...	...	...	...	1	1	1	1	2	2	2
55 to 59	...	...	...	...	1	1	...	...	1	1	1
And upwards	...	...	...	...	3	1	...	...	3	1	1
Grand Totals	...	...	...	...	242	33	199	28	441	61	61

AGES.					MALES.		FEMALES.		TOTAL.	
					Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
EASTERN HOSPITAL.										
Under 5	...	...	...	...	...	...	...	...	...	...
5 to 9	...	...	...	...	1	...	1	...	2	...
10 to 14	...	...	...	...	1	...	...	...	1	...
15 to 19	...	...	...	...	...	...	1	...	1	...
20 to 24	...	...	...	...	...	...	...	...	...	...
25 to 29	...	...	...	...	...	...	2	...	2	...
30 to 34	...	...	...	...	...	...	...	...	...	...
35 to 39	...	...	...	...	...	...	...	...	...	...
40 to 44	...	...	...	...	...	...	...	...	...	...
45 to 49	...	...	...	...	1	...	...	...	1	...
50 to 54	...	...	...	...	...	...	...	...	...	...
55 to 59	...	...	...	...	...	...	...	...	...	...
And upwards	...	...	...	...	...	...	...	...	...	...
Totals	...	...	...	...	3	...	4	...	7	...
SOUTH-EASTERN HOSPITAL.										
Under 5	...	...	...	...	...	...	2	...	2	...
5 to 9	...	...	...	...	3	...	2	...	5	...
10 to 14	...	...	...	...	3	...	3	...	6	...
15 to 19	...	...	...	...	1	...	2	1	3	1
20 to 24	...	...	...	...	1	...	1	1	2	1
25 to 29	...	...	...	...	1	...	...	...	1	...
30 to 34	...	...	...	...	2	1	1	...	3	1
35 to 39	...	...	...	...	...	...	1	...	1	...
40 to 44	...	...	...	...	...	...	...	...	...	...
45 to 49	...	...	...	...	...	...	2	...	2	...
50 to 54	...	...	...	...	...	...	1	...	1	...
55 to 59	...	...	...	...	1	1	...	...	1	1
And upwards	...	...	...	...	...	...	1	...	1	...
Totals	...	...	...	...	12	2	16	2	28	4
SUMMARY.										
Under 5	...	...	...	...	...	...	2	...	2	...
5 to 9	...	...	...	...	4	...	3	...	7	...
10 to 14	...	...	...	...	4	...	3	...	7	...
15 to 19	...	...	...	...	1	...	3	1	4	1
20 to 24	...	...	...	...	1	...	1	1	2	1
25 to 29	...	...	...	...	1	...	2	...	3	...
30 to 34	...	...	...	...	2	1	1	...	3	1
35 to 39	...	...	...	...	...	...	1	...	1	...
40 to 44	...	...	...	...	...	...	...	...	...	...
45 to 49	...	...	...	...	1	...	2	...	3	...
50 to 54	...	...	...	...	...	...	1	...	1	...
55 to 59	...	...	...	...	1	1	...	...	1	1
And upwards	...	...	...	...	...	...	1	...	1	...
Grand Totals	..	...	...	...	15	2	20	2	35	4

DISEASES.	EASTERN HOSPITALS.		PLAISTOW HOSPITAL.		NORTH-WESTERN HOSPITAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Simple continued Fever..	13	...	...	...	...	...
Pneumonia (Lobar) ...	15	4	...	...	2	...
„ (Catarrhal)...	...	...	...	...	...	...
Measles	9	1	1	...	1	...
Chicken Pox	3	...	...	...	...	...
Rötheln	1	...	...	...	...	...
Meningitis	3	3	...	...	...	...
Cerebro-Spinal Fever ...	1	1	...	...	..	...
Dementia	1	...	...	...	...	...
Gonorrhœa, Orchitis ...	1	...	...	...	...	...
Cerebral Hemorrhage ...	1	1	...	...	...	...
Pleuro-Pneumonia } Pericarditis }	1	1	...	...	...	...
Hæmatocele Peritonitis ..	1	1	...	...	...	...
Pneumonia(Lobar)Measles	1	...	...	...	...	...
Hæmophilia	1	...	...	...	...	...
Hæstera, debility	1	...	...	...	...	...
Cellulitis of Leg	1	1	...	...	...	...
Lichen	1	...	...	...	..	...
Tubercular Phthisis ...	1	1	...	...	...	...
Fruit Stone in Cæcum } Peritonitis }	1	1	...	...	...	...
Rickets	1	...	...	...	...	...
Diphtheria	1	1	...	...	1	1
Acute Periostitis of Ti- } bia, Pyæmia }	1	1	...	...	...	...
Empyema and Bronchitis	1	1	...	...	...	...
Simple continuous Fever } and obscure Erythema }	2	...	...	...	...	...
Pyæmia following on } Parturition }	1	1	...	...	...	...
Chronic Emphysema and } Abdominal Tumour }	1	...	...	...	...	...
Tuberculosis ... ..	...	...	...	...	...	...
Tubercular Meningitis ...	...	...	...	...	...	...
Phthisis (Pneumo- } Thorax) }	...	...	...	...	...	...
Laryngitis ... ..	...	...	...	...	...	...
Bright's Disease ... ..	...	...	...	...	...	...
Acute Ulcerative } Endocarditis }	...	...	...	...	...	...
Simple Atrophy ... ..	...	...	...	...	...	...
Febricula ... ..	...	...	...	...	...	...
Carried forward	65	19	1	...	4	1

WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITALS.		SOUTH-EASTERN HOSPITAL.		SUMMARY.	
Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
...	13	...
1	13	9	31	13
...	2	2	2	2
5	1	5	...	2	1	23	3
...	3	...
5	6	...
...	3	3
...	1	1
...	1	...
...	1	...
...	1	1
...	1	1
...	1	1
...	1	1
...	1	...
...	1	...
...	1	...
...	1	1
...	1	1
...	1	1
...	1	1
...	1	1
...	1	1
...	1	1
...	1	1
...	1	1
...	2	2	4	4
...	1	1
...	1	1
...	2	...
...	1	1
...	1	...
...	6	6	6	6
1	1	...	...	2	2	3	3
...	1	1	1	1
...	1	1	1	1
...	4	3	4	3
...	2	2	2	2
...	1	1	1	1
...	4	...	4	...
12	2	5	...	40	30	127	52

DISEASES.	EASTERN HOSPITAL.		PLAISTOW HOSPITAL.		NORTH-WESTERN HOSPITAL.	
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Brought forward ...	65	19	1	...	4	1
Acute Rheumatism
Pleuritis
Tonsillitis...
Gastric Ulcer
Constipation
Ulcerated prolapsed } Rectum }
Purpura
Variola
Simple Acute Meningitis
Acute Endocarditis
Secondary Syphilide
Erythema
Pleurisy
Enteritis
Sarcoma of Mesentery
Cerebral Disease...
Cystic Ovarian Disease
Varicella	1	...
Croup	1	1
Bronchitis
Debility
Roseola
At Breast
Nil	1	...
Mother admitted to } nurse Baby }	1	...	...	...	...	...
Child born in Hospital ...	1	...	...	..	...	...
Totals	67	19	1	...	7	2

WESTERN HOSPITAL.		SOUTH-WESTERN HOSPITALS.		SOUTH-EASTERN HOSPITAL.		SUMMARY.	
Admitted.	Died.	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
12	2	5	...	40	30	127	52
...	...	...	...	1	...	1	...
...	...	...	...	2	...	2	...
...	...	2	...	2	...	4	...
...	...	...	...	1	...	1	...
...	..	...	...	2	...	2	...
...	...	...	...	1	...	1	...
...	...	...	...	1	...	1	...
...	...	...	...	1	...	1	...
..	...	...	...	1	1	1	1
1	1	...	...	...	...	1	1
1	...	...	...	...	...	1	...
1	...	...	...	...	...	1	...
1	...	...	...	..	...	1	...
2	1	...	...	...	...	2	1
1	1	...	...	...	...	1	1
1	1	...	...	...	...	1	1
1	1	...	...	..	...	1	1
...	...	1	...	..	...	2	...
...	...	...	...	..	...	1	1
...	..	1	...	..	...	1	...
...	...	1	...	...	...	1	...
...	...	1	...	..	...	1	...
...	...	...	...	2	...	2	...
...	...	...	...	...	...	1	...
...	...	...	...	...	...	1	...
...	...	...	...	..	...	1	...
21	7	11	...	54	31	161	59

LISTS OF COMPLICATIONS IN SCARLET AND ENTERIC FEVER CASES.

EASTERN HOSPITALS.

Complications of Scarlet Fever, 1887.

Nephritis	12	Albuminuria		Albuminuria	
Nephritis	1	Dropsy	1	Hæmaturia	1
Adenitis		Conjunctivitis		Dropsy	
Nephritis	1	Albuminuria	3	Otitis	
Adenitis		Adenitis			
Bronchitis	1	Rhinitis	3	Albuminuria	1
Nephritis		Albuminuria		Hæmaturia	
Pleural Effusion	1	Adenitis	3	Adenitis	
Nephritis	2	Otitis	2	Laryngitis	
Convulsions		Albuminuria			
Nephritis	1	Cervical Abscess	2	Adenitis	63
Arthritis		Otitis		Cervical Abscess	11
Albuminuria (Simple) ...	17	Albuminuria	1	Axillary Abscess	2
Albuminuria	8	Cervical Abscess		1	Adenitis ... ..	36
Dropsy		Urticaria	Albuminuria	1	Rhinitis
Albuminuria	6	Ascites	1		Adenitis ... ..	9
Adenitis		Pleural Effusion		Otitis	
Albuminuria	1	Albuminuria	1	Adenitis	4
Cervical Abscess		Arthritis		Arthritis	4
Albuminuria ... ..	...	Convulsions	1	Adenitis	2
Rhinitis		Albuminuria		Stomatitis	2
Albuminuria	2	Dropsy	1	Adenitis	1
Otitis		Otitis		Conjunctivitis ... ..		1
Albuminuria	1	Arthritis	1	Adenitis	1
Arthritis		Albuminuria		Laryngitis ... ..		1
Albuminuria	2	Adenitis	1	Adenitis	1
Stomatitis		Rhinitis		Pleurisy ... ..		1
Albuminuria	1	Otitis	9	Adenitis	2
Conjunctivitis		Albuminuria		Sloughing Cervical Cellulitis	
Albuminuria	1	Hæmaturia	2	Adenitis	1
Blepharitis		Albuminuria		Parotitis	
Albuminuria	2	Hæmaturia	2	Adenitis	10
Bronchitis		Dropsy		Rhinitis	
Albuminuria	1	Albuminuria	4	Otitis	2
Broncho-Pneumonia ...		Hæmaturia		Adenitis	
Albuminuria	1	Adenitis	2	Rhinitis	2
Uræmia		Albuminuria		Dacryo Cystitis	
Albuminuria	1	Hæmaturia	2	Adenitis	2
Dropsy		Hæmaturia		Rhinitis	
Adenitis		Otitis		Sloughing Cervical Cellulitis	

Complications of Scarlet Fever, 1887— (continued).

Adenitis		Otitis	19	Urticaria	10
Rhinitis	1	Otitis	1	Herpe	1
Bronchitis		Arthritis		1	Ringworm ... ..	2
Adenitis		Otitis			
Rhinitis	2	Arthritis	1	Diphtheria	1
Pneumonia		Pyæmia		1	* Ovarian Tumour ... ..	1
Adenitis		Abscess in Elbow		Jaundice	1
Otitis	1	Otitis	1	Endocarditis	2
Stomatitis		Conjunctivitis			Endocarditis ... ..	4
Adenitis				* Chorea	
Sloughing Cervical Cellulitis	1	Arthritis	29	Chorea	3
Mastoid Abscess		Arthritis			
Adenitis		Pericarditis	1	Measles	1
Acute Endocarditis	1	Arthritis	1	Convulsions	
				Urticaria ... ..		Measles ... ..	2
Adenitis		Arthritis		Dropsy	2
Rhinitis	2	Endocarditis	1	Measles	
Otitis		Albuminuria			Cervical Abscess ... ..	2
Pneumonia		Arthritis	1	Measles	1
Adenitis		Pyæmia		Otitis	
Rhinitis	1	Arthritis	1	Measles	1
Otitis		Abscess in Elbow ... ..				Otitis ... ..
Broncho-Pneumonia				Rhinitis	1
		Pneumonia	4	Measles	
Cervical Abscess		Pneumonia		Adenitis	1
Otitis	3	Dacryo-Cistitis	1	Stomatitis	
Cervical Abscess			Broncho-Pneumonia	2	Measles ... ..	1
Stomatitis	1	Bronchitis	4	Laryngitis	
Cervical Abscess		Bronchitis		Lobar Pneumonia	1
Laryngitis	1	Emphysema	1	Measles	
Cervical Abscess			Pleurisy	2	Laryngitis ... ..	1
Otitis	1	* Empyema	1	Cervical Abscess	
Mastoid Abscess			Whooping Cough	1	Otitis ... ..	1
Cervical Abscess		Whooping Cough		Rhinitis	
Sloughing Cervical Cellulitis	1	Broncho-Pneumonia	1	Measles	1
Deep Gluteal Abscess					
		Tonsillitis	3	Hæmaturia	1
		Tonsillitis		Dropsy	
Rhinitis	27	Urticaria	1	Measles	1
Rhinitis					
Otitis	3				
Rhinitis		Conjunctivitis	10	Chickenpox	8
Stomatitis	1	Conjunctivitis	10	Chickenpox	1
Rhinitis		Stomatitis		Adenitis	
Urticaria	1	Blepharitis	1	Chickenpox	1
Rhinitis			Stomatitis	10		Otitis ... ..
Arthritis	1				

* Previous to admission.

Complications of Scarlet Fever, 1887—(continued).

Chickenpox } Albuminuria } Chickenpox } Adenitis } Otitis } Chickenpox } Rhinitis } Otitis }	2 1 2	Chickenpox } Adenitis } Periostitis }	1	* Morbis Coxac } Acute Cellulitis of Thigh } * Morbis Coxac } Nephritis } Laryngitis }	1 1
		* Burns of all degrees ...	9	Parturition	1
		* Morbis Coxac	4	Abortion	1

* Previous to Admission.

EASTERN HOSPITALS.

Complications of Enteric Fever, 1887.

Peritonitis } Peritonitis & Perforation Peritonitis } Pleurisy } Pericarditis } Pneumonia }	3 6 1 1 8	Pneumonia } Hæmorrhage } Hæmorrhage } Peritonitis } Swelled Leg } Superficial Abscesses ...	1 1 1 2 2	Retention of Urine ... Relapse } Bed Sore } Cancrum Ovis } Uræmia }	2 2 1 1 1
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PLAISTOW HOSPITAL.

Complications in Scarlet Fever, 1887.

Albuminuria... .. } Nephritis } Ascites }	1	Albuminuria... .. } Otorrhœa }	1	Rhinitis } Adenitis... .. } Bronchitis }	1
Albuminuria... .. } Ascites } Uræmia }	1	Adenitis } Pyæmia }	1	Rhinitis } Adenitis }	1
Albuminuria... .. } Croup }	1	Rhinitis } Bronchitis } Croup }	1	Broncho-Pneumonia ...	1

WESTERN HOSPITAL.

Scarlet Fever Complications, 1887.

I.					
Acute Nephritis	15	Acute Nephritis	}	Acute Nephritis	}
Acute Nephritis	9	Rhinitis		1		Rhinitis ... ..	1
Adenitis		Acute Nephritis	Otorrhœa		Adenitis
Acute Nephritis	2	Stomatitis	}	Otorrhœa	}
Bronchitis		Acute Nephritis		Rheumatism ... ..		Stomatitis ... ..
Acute Nephritis	2	Ascites	}	Acute Nephritis	}
Uræmia		Adenitis		Ascites ... ..		Bronchitis ... ..
Acute Nephritis	2	Epistaxis	}	Stomatitis	1
Rheumatism		Acute Nephritis		Bronchitis ... ..		Gangrene of Palate ...
Acute Nephritis	2	Ascites	}	Porrigo	}
Otorrhœa		Bronchitis		Acute Nephritis ... ..		Acute Nephritis ... ..
Acute Nephritis	2	Furuncles	}	Ascites	}
Porrigo		Acute Nephritis		Uræmia... ..		Rhinitis ... ..
Acute Nephritis	1	Uræmia... ..	}	Bronchitis	1
Pneumonia		Epistaxis		Epistaxis ... ..		Adenitis... ..
Acute Nephritis	1	Otorrhœa	}	Edema of Lungs... ..	}
Edema of Lungs... ..		Acute Nephritis		Acute Nephritis ... ..		Acute Nephritis ... ..
Acute Nephritis	1	Adenitis	}	Rhinitis	}
Pyæmia		Parotitis... ..		Parotitis... ..		Otorrhœa ... ..
Acute Nephritis	3	Abscess of Neck	}	Edema of Lungs... ..	}
Uræmia		Acute Nephritis		Acute Nephritis ... ..		Bronchitis ... ..
Adenitis... ..	1	Rhinitis	}	Abscess of Neck	}
Acute Nephritis		Otorrhœa		Acute Nephritis	
Bronchitis	1	Relapse of Rash	}	Uræmia	}
Adenitis... ..		Acute Nephritis		Edema of Lungs... ..		Bronchitis ... ..
Acute Nephritis	1	Acute Nephritis	}	Otorrhœa	}
Adenitis... ..		Uræmia		Stomatitis ... ..		Caries of Temporal Bone
Otorrhœa	1	Edema of Lungs... ..	}	Meningitis	}
Acute Nephritis		Acute Nephritis		Acute Nephritis ... ..		Cerebral Abscess ... ..
Bronchitis	1	Rhinitis	}	Relapse of Nephritis ...	}
Rheumatism		Adenitis... ..		Acute Nephritis	
Acute Nephritis	1	Otorrhœa	}	Rhinitis	}
Meningitis		Tonsillitis		Bronchitis ... ..		Adenitis... ..
Pneumonia	1	Acute Nephritis	}	Otorrhœa	}
Acute Nephritis		Acute Nephritis		Psoriasis (Syph.)... ..		Rheumatism ... ..
Adenitis	1	Rhinitis	}	Gangrene of Palate ...	}
Abscess of Neck		Bronchitis		Tonsillitis ... ..		Glossitis ... ..
Acute Nephritis	1	Acute Nephritis	}	Blepharitis	}
Acute Nephritis		Adenitis		Acute Nephritis	
Adenitis	1	Bronchitis	}	II.	
Abscess of Neck		Psoriasis (Syph.)... ..		Acute Nephritis	Albuminuria (simple)...	125
Acute Nephritis	1	Tonsillitis	}		
Ascites		Acute Nephritis		Acute Nephritis	
Rhinitis	1	Adenitis... ..	}		
Acute Nephritis		Rhinitis		Rhinitis	
Adenitis... ..	1	Cellulitis of Neck ...	}		
Bronchitis		Erysipelas of Face ...			
Gangrene of Palate ...					

Complications of Scarlet Fever, 1887—(continued).

Albuminuria } 40	Albuminuria } 7	Albuminuria } 1
Adenitis } 40	Rhinitis } 7	Mastoid Abscess } 1
Albuminuria } 5	Adenitis } 6	Psoriasis... .. } 1
Otorrhœa } 5	Albuminuria } 6	Albuminuria } 1
Albuminuria } 4	Adenitis } 6	Adenitis } 1
Bronchitis } 4	Bronchitis } 6	Epistaxis } 1
Albuminuria } 4	Albuminuria } 3	Albuminuria } 1
Tonsillitis } 4	Rhinitis } 3	Rheumatism } 1
Albuminuria } 4	Otorrhœa } 3	Tonsillitis } 1
Rheumatism } 4	Albuminuria } 3	Albuminuria } 1
Albuminuria } 4	Adenitis } 3	Bronchitis } 1
Pneumonia } 4	Urticaria } 3	Pneumonia } 1
Albuminuria } 3	Albuminuria } 2	Albuminuria } 1
Porriigo } 3	Adenitis } 2	Adenitis } 1
Albuminuria } 2	Pneumonia } 2	Whitlow } 1
Ringworm } 2	Albuminuria } 2	Albuminuria } 1
Albuminuria } 2	Rhinitis } 2	Acne } 1
Rhinitis } 2	Pneumonia } 2	Onychia } 1
Albuminuria } 2	Albuminuria } 2	Albuminuria } 1
Stomatitis } 2	Adenitis } 2	Adenitis } 1
Albuminuria } 2	Secondary Adenitis } 2	Pleurisy } 1
Urticaria } 2	Albuminuria } 1	Albuminuria } 1
Albuminuria } 1	Adenitis } 1	Rhinitis } 1
Hæmorrhage from throat } 1	Abscess of Neck } 1	Otorrhœa } 1
Albuminuria } 1	Albuminuria } 1	Albuminuria } 1
Abscess of Neck } 1	Hæmorrhage from throat } 1	Adenitis } 1
Albuminuria } 1	Furuncles } 1	Ringworm } 1
Abscess of Tonsil } 1	Albuminuria } 1	Albuminuria } 1
Albuminuria } 1	Adenitis } 1	Porriigo } 1
Epistaxis } 1	Rheumatism } 1	Otorrhœa } 1
Albuminuria } 1	Albuminuria } 1	Albuminuria } 1
Laryngitis } 1	Bronchitis } 1	Stomatitis } 1
Albuminuria } 1	Parotid abscess } 1	Pneumonia } 1
Furuncles } 1	Albuminuria } 1	Albuminuria } 1
Albuminuria } 1	Rhinitis } 1	Albuminuria } 11
Onychia } 1	Bronchitis } 1	Adenitis } 11
Albuminuria } 1	Albuminuria } 1	Otorrhœa } 1
Relapse of rash } 1	Bronchitis } 1	Albuminuria } 3
Albuminuria } 1	Rheumatism } 1	Rhinitis } 3
Pyæmia } 1	Albuminuria } 1	Adenitis } 3
Albuminuria } 1	Adenitis } 1	Bronchitis } 1
Enteritis... .. } 1	Œdema of Lungs } 1	Albuminuria } 1
Albuminuria } 1	Albuminuria } 1	Adenitis } 1
Acne } 1	Eczema } 1	Otorrhœa } 1
Albuminuria } 8	Ringworm } 1	Tonsillitis } 1
Adenitis } 8	Albuminuria } 1	
Otorrhœa } 8	Bronchitis } 1	
	Stomatitis } 1	

Complications of Scarlet Fever, 1887—(continued).

Albuminuria	}	Albuminuria	}	Albuminuria	}	
Adenitis		Adenitis		Rhinitis		
Rheumatism		Rhinitis		Bronchitis		}
Pleurisy		Otorrhœa		Otorrhœa		
Albuminuria	}	Abscess of Neck	}	Stomatitis	}	
Adenitis		Albuminuria		Albuminuria		
Abscess of Neck		Otorrhœa		Bronchitis		
Otorrhœa		Meningitis		Adenitis		}
Albuminuria	Paraplegia	Parotitis				
Adenitis	}	Furuncles	}	Whitlow	}	
Otorrhœa		Albuminuria		Albuminuria		
Gangrene of Palate		Adenitis		Rhinitis		
Albuminuria		Rhinitis		Adenitis		}
Adenitis	Otorrhœa	Bronchitis				
Abscess of Neck	}	Rheumatism	}	Furuncles	}	
Rheumatism		Albuminuria		Albuminuria		
Albuminuria		Pneumonia		Rhinitis		
Adenitis		Pyæmia		Adenitis		}
Stomatitis	Otorrhœa	Otorrhœa				
Sloughing of Palate	}	Gyngivitis	}	Epistaxis	}	
Albuminuria		Albuminuria		Albuminuria		
Adenitis		Adenitis		Rhinitis		
Abscess of Neck		Relapse of Rash		Adenitis		}
Urticaria	Herpes	Otorrhœa				
Albuminuria	}	Pneumonia	}	Stomatitis	}	
Rheumatism		Albuminuria		Otorrhœa		
Endocarditis		Adenitis		Albuminuria		
Pneumonia		Abscess of Neck		Rhinitis		
Albuminuria	}	Otorrhœa	}	Adenitis	}	
Adenitis		Rheumatism		Abscess of Neck		
Laryngitis		Albuminuria		Otorrhœa		
Bronchitis		Adenitis		Blepharitis		
Albuminuria	}	Cellulitis of Neck	}	Albuminuria	}	
Rheumatism		Urticaria		Rhinitis		
Pleurisy		Sloughing of Palate		Otorrhœa		
Pneumonia		Albuminuria		Adenitis		}
Albuminuria	Adenitis	Relapse of rash				
Adenitis	}	Otorrhœa	}	Acne	}	
Herpes		Pneumonia		Albuminuria		
Acne		Herpes		Adenitis		
Albuminuria		Albuminuria		Rhinitis		}
Psoriasis	Adenitis	Bronchitis				
Dilated Heart	}	Otorrhœa	}	Epistaxis	}	
Mitral Stenosis		Pneumonia		Otorrhœa		
Albuminuria		Herpes		Albuminuria		
Adenitis		Albuminuria		Rhinitis		
Otorrhœa	}	Rhinitis	}	Adenitis	}	
Bronchitis		Epistaxis		Adenitis		
		Otorrhœa		Bronchitis		
		Pneumonia		Otorrhœa		
		Mastoid Abscess				

Complications of Scarlet Fever, 1887—(continued).

Albuminuria... ..	}	Rhinitis	}	Rhinitis	}		
Rhinitis		Adenitis... ..		1		Adenitis... ..	1
Otorrhœa		Conjunctivitis				Abscess of Neck	
Erysipelas of Eyelids		Rhinitis				Pneumonia	
Lachrymal Abscess		Adenitis... ..		1		Rhinitis	
Urticaria		Urticaria				Adenitis... ..	1
Furuncles		Rhinitis				Abscess of Neck	
Albuminuria... ..		Bronchitis		1		Otorrhœa	
Rheumatism		Pneumonia				Rhinitis	
Endocarditis		Rhinitis				Adenitis... ..	1
Bronchitis	Laryngitis	1	Otorrhœa	1			
Pneumonia	Sloughing of Palate		Porrigio				
Adenitis... ..	Rhinitis		Rhinitis				
Pregnancy	Bronchitis	1	Adenitis... ..	1			
Tonsillitis	Eczema		Bronchitis				
Albuminuria	Rhinitis		Conjunctivitis	1			
Rhinitis	Adenitis... ..		Rhinitis				
Adenitis	Bronchitis	4	Adenitis... ..	1			
Croupous Laryngitis	Otorrhœa		Otorrhœa				
Pleurisy... ..	Rhinitis		Pneumonia	1			
Pneumonia	Adenitis... ..	3	Rhinitis				
Otorrhœa	Bronchitis		Adenitis				
Retro-Pharyngeal Abscess	Sloughing of Palate		Abscess of Neck	2			
Albuminuria... ..	Rhinitis		Otorrhœa				
Otorrhœa	Bronchitis	1	Bronchitis				
Caries of Petrous Bone	Broncho-Pneumonia		Rhinitis				
Cerebral Meningitis	Gangrene of Palate		Cellulitis of Neck				
Spinal Meningitis..	Rhinitis		Noma	1			
Mastoid Abscess	Adenitis... ..	1	Pneumonia				
Adenitis... ..	Otorrhœa		Otorrhœa				
Abscess of Neck	Erysipelas		Rhinitis				
	Rhinitis		Cellulitis of Scrotum				
III.	Bronchitis	1	Ulceration of Skin	1			
Rhinitis	Pneumonia		Hæmoptysis				
Rhinitis	Purpura		Endocarditis... ..				
Adenitis... ..	Rhinitis		Rhinitis				
Rhinitis	Bronchitis	1	Adenitis				
Bronchitis	Otorrhœa		Bronchitis	1			
Rhinitis	Furuncles		Otorrhœa				
Otorrhœa	Rhinitis		Rheumatism				
Rhinitis	Adenitis... ..	1	Rhinitis				
Eczema	Otorrhœa		Adenitis				
Rhinitis	Caries of Mastoid process		Otorrhœa	1			
Adenitis	Rhinitis		Pneumonia				
Otorrhœa	Adenitis	1	Abscess of Neck				
Rhinitis	Otorrhœa						
Adenitis... ..	Stomatitis						
Bronchitis							

Complications of Scarlet Fever, 1887—(continued).

Rhinitis		Adenitis		V.	
Adenitis	1	Abscess of Neck	1	Rheumatism	8
Otorrhœa		Ringworm		Rheumatism	1
Caries of Petrous Bone		Adenitis		Relapse of rash	
Cerebral Meningitis ...		Tonsillitis	1	Rheumatism	1
Spinal Meningitis ...		Chorea... ..		Lachrymal Abscess ...	
Rhinitis	Adenitis		Otorrhœa		
Adenitis	1	Bronchitis	1	Rheumatism	1
Otorrhœa		Gangrene of Palate ...		Otorrhœa	
Conjunctivitis		Adenitis		Pneumonia	1
Stomatitis		Abscess of Neck	1	Erysipelas	
Broncho-Pneumonia ...		Bronchitis			
		Adenitis		VI.	
	IV.	Meningitis	1	Bronchitis	29
Adenitis	73	Porrigo		Pneumonia	3
Adenitis	13	Adenitis		Laryngitis	2
Bronchitis		Abscess of Neck	1	Bronchitis	1
Adenitis	9	Pneumonia		Tonsillitis	
Otorrhœa		Adenitis		Bronchitis	1
Adenitis	6	Otorrhœa	1	Ecthyma... ..	
Abscess of Neck		Corneitis... ..		Bronchitis	1
Adenitis	5	Adenitis		Convulsions	
Tonsillitis		Bronchitis	1	Bronchitis	1
Adenitis	4	Otorrhœa		Infantile Paralysis ...	
Onychia		Adenitis		Bronchitis	1
Adenitis	3	Pneumonia	1	Otorrhœa	1
Rheumatism		Gyngivitis		Bronchitis	1
Adenitis	2	Adenitis		Porrigo	
Urticaria		Bronchitis	1	Bronchitis	1
Adenitis	1	Otorrhœa	1	Psoriasis	1
Epistaxis		Porrigo		Relapse of rash	
Adenitis	1	Adenitis... ..		Bronchitis	
Pityriasis		Abscess of Neck	1	Laryngitis	1
Adenitis	1	Otorrhœa		Otorrhœa	
Pneumonia		Adenitis... ..		Bronchitis	1
Adenitis	1	Bronchitis	1	Conjunctivitis	1
Psoriasis		Laryngitis		Pyæmia	
Adenitis	1	Adenitis... ..		Bronchitis	
Stomatitis		Chorea	1	Laryngitis	1
Adenitis	1	Mitral Regurgitation ...		Sloughing of Tonsils ...	
Purpura		Adenitis... ..		Bronchitis	1
Adenitis	1	Otorrhœa	1	Convulsions	1
Herpes		Bronchitis		Porrigo	
Adenitis	2	Pneumonia		Bronchitis	
Rhinitis				Pneumonia	1
Bronchitis			Otorrhœa		
				Mastoid Abscess;	

Complications of Scarlet Fever, 1887—(continued).

Bronchitis } 1	Otorrhœa } 1	Urticaria 4	
Laryngitis } 1	Relapse of rash } 1	Herpes 3	
Otorrhœa } 1	Stomatitis } 1	Eczema 2	
Porrigo } 1	Abscess of Tonsil } 1	Furuncles 1	
Pneumonia } 1	VIII.		
Purpura } 1	Conjunctivitis 2	Erythema 1	
Pneumonia } 1	Conjunctivitis } 1	Psoriasis... .. 1	
Gangrene of Palate ... } 1	Eczema } 1	XI.	
VII.			
Otorrhœa 6	IX.		
Otorrhœa } 1	Tonsillitis 22	Stomatitis 6	
Stomatitis } 1	Ulceration of Uvula ... 1	Whitlow... .. 2	
Otorrhœa } 1	Tonsillitis } 1	Chorea 2	
Conjunctivitis } 1	Chorea } 1	Cellulitis of Neck ... 2	
Granular Lids } 1	X.		
Corneitis } 1	Ringworm 9	Epistaxis 1	
	Porrigo 6	Aortic Stenosis 1	
		Cardiac Thrombosis ... 1	
		Alveolar Abscess 1	
		Melœna 1	
		Abscess of arm 1	

WESTERN HOSPITAL.

Enteric Fever Complications, 1887.

I.		Bronchitis } 1	II.	
		Furuncles } 1	Periostitis 1	
Bronchitis 9		Bronchitis } 1	Hæmorrhage } 1	
Pneumonia 1		Abscess of Thyroid Gland } 1	Parotitis... .. } 1	
Bronchitis } 1		Bronchitis } 1	Furuncles } 1	
Peritonitis } 1		Perforation } 1		
Bronchitis } 1		Peritonitis } 1	III.	
Hæmorrhage } 1		Bronchitis } 1	Bedsore 1	
Bronchitis } 1		Incipient Phthisis ... } 1	Albuminuria... .. 1	
Œdema of Feet } 1		Albuminuria } 1	Acute Mania... .. } 1	
Bronchitis } 1		Bronchitis } 1	Furuncles } 1	
Œdema of Lungs } 1		Incipient Phthisis... } 1		
		Pynria 1		

NORTH-WESTERN HOSPITAL.

Scarlet Fever Complications, 1887.

I.			Albuminuria... ..	Adenitis... ..	} 3	
Acute Nephritis	7	} 1	Adenitis... ..	Rhinitis		
Acute Uræmia	4		} 3	Rhinitis	Adenitis... ..	} 1
Nephritis	}	Otorrhœa		Ulceration of Throat ...	Ringworm	
Adenitis		1	} 1	Albuminuria... ..	Adenitis... ..	} 1
Uræmia	}	Adenitis... ..		Otorrhœa	Rhinitis	
Nephritis		}	Otorrhœa	Bronchitis	Bronchitis	} 1
Adenitis... ..	1		Bronchitis	Adenitis	Rhinitis	
Rhinitis	}	Albuminuria... ..	Albuminuria... ..	Rhinitis	} 1	
Uræmia		1	Adenitis... ..	Abscess		Otorrhœa
Nephritis	}	Adenitis... ..	Otorrhœa	Adenitis	} 1	
Adenitis... ..		1	Abscess	Albuminuria... ..		Abscess
Abscess	}	Otorrhœa	Adenitis... ..	Pneumonia	} 1	
Otorrhœa		1	Albuminuria... ..	Rheumatism		Cellulitis
Erythema	}	Adenitis... ..	Albuminuria... ..	Adenitis	} 1	
Nephritis		1	Rheumatism	Adenitis... ..		Otorrhœa
Adenitis... ..	}	Albuminuria... ..	Adenitis... ..	Adenitis	} 1	
Laryngitis		1	Adenitis... ..	Purpura... ..		Eczema
Nephritis	}	Purpura... ..	Albuminuria... ..	Adenitis	} 1	
Hæmaturia		1	Albuminuria... ..	Rhinitis		Adenitis... ..
Otorrhœa	}	Rhinitis	Rhinitis	Erythema	} 1	
Nephritis		1	Otorrhœa	Otorrhœa		Adenitis... ..
Varicella	}	Albuminuria... ..	Albuminuria... ..	Rheumatism	} 2	
Nephritis		1	Albuminuria... ..	Rhinitis		Adenitis
Bronchitis	1	Rhinitis	Rheumatism	Adenitis	} 1	
II.			Rheumatism	Rheumatism		
Albuminuria (simple)... ..	36	Albuminuria... ..	Albuminuria... ..	Broncho-Pneumonia ...	} 1	
Albuminuria	}	Rheumatism	Otorrhœa	Adenitis		
Uræmia		1	Albuminuria... ..	Albuminuria... ..	Pneumonia	} 1
Adenitis... ..	}	Pneumonia	Rheumatism	Urticaria		
Albuminuria		}	Albuminuria... ..	Albuminuria... ..	Adenitis	} 1
Adenitis... ..	5		Diphtheria	Pneumonia	Diphtheria	
Albuminuria	}	Albuminuria... ..	Ascites	Adenitis	} 1	
Adenitis... ..		1	Phthisis	Albuminuria... ..		Postpharyngeal Abscess }
Abscess	}	Pneumonia	Albuminuria... ..	IV.		
Albuminuria		1	Ascites	Albuminuria... ..	Rhinitis	3
Albuminuria	}	Albuminuria... ..	Eczema	Rhinitis	} 1	
Adenitis		1	Eczema	III.		
Rhinitis	}	Adenitis			Rhinitis	2
Albuminuria... ..		1	Adenitis Abscess			Eczema
Adenitis... ..	}	Adenitis			Rhinitis	} 1
Rhinitis		16	Adenitis Abscess ... ..				Porriago ... ..
Rheumatism	4	Adenitis Abscess			Porriago	1

Scarlet Fever Complications, 1887—(continued).

V.				Pneumonia } 1	Conjunctivitis 3
Otorrhœa 5	Rhinitis } 1	Lachrymal Abscess ... 1			
Otorrhœa } 1	Pneumonia } 1	Eczema 3			
Eczema } 1	Rhinitis } 1	Porrigo			
Otorrhœa } 1	Phthisis } 1	Onychia } 1			
Acne } 1	Urticaria } 1	Eczema } 1			
Otorrhœa } 1	Pneumonia } 1	Scabies 1			
Aphthæ } 1	Urticaria } 1	Ringworm 1			
	Pneumonia } 1	Aphthæ 1			
VI.				Pertussis... .. } 1	
Rheumatism 9	Urticaria } 1				
Rheumatism } 1	Pertussis 6				
Rhinitis } 1	Bronchitis 3				
Pneumonia } 1	Pertussis... .. } 1	IX.			
Rheumatism } 1	Capillary Bronchitis ... } 1	Periostitis 1			
Otorrhœa } 1	Capillary Bronchitis ... } 1	Necrosis... .. 1			
Rheumatism } 1	Cancrum Oris } 1	Ulceration of Nose ... 1			
Pruritus Ani... .. } 1					
Rheumatism } 1	VIII.				
Hysteria } 1	Herpes 2				
	Herpes } 1	X			
VII.				Eczema } 1	Varicella 1
Pneumonia 3	Conjunctivitis } 1	Dyspepsia 1			

SOUTH-WESTERN HOSPITAL.

Complications of Scarlet Fever, 1887.

Rheumatism 16	Rhinitis } 1	Rheumatism } 4
Cervical Adenitis... .. 34	Cervical Cellulitis ... } 1	Albuminuria... .. } 4
Otitis 22	Albuminuria... .. } 20	Conjunctivitis } 1
Rhinitis 17	Diarrhœa } 4	Albuminuria... .. } 1
Albuminuria (simple)... 138	Rhinitis } 4	Cervical Adenitis... .. } 7
Conjunctivitis 11	Otitis } 5	Otitis } 7
Diarrhœa 27	Rhinitis } 5	Rhinitis } 1
Psoriasis 3	Cervical Adenitis... .. } 1	Broncho-Pneumonia ... } 1
Pertussis 2	Conjunctivitis } 1	Otitis } 1
Parotitis 3	Herpes } 19	Diarrhœa } 1
Eczema 2	Albuminuria... .. } 8	Diarrhœa } 1
Pericarditis 1	Cervical Adenitis... .. } 2	Broncho-Pneumonia ... } 1
Intestinal Hæmorrhage 1	Nephritis } 8	Cervical Cellulitis ... } 1
Cervical Cellulitis ... 1	Convulsions } 2	Diarrhœa } 3
Pneumonia 1	Cervical Adenitis... .. } 2	Cervical Adenitis... .. } 3
Nephritis 57	Onychia } 2	Nephritis } 3

Complications of Scarlet Fever, 1887—(continued).

Rhinitis		Cervical Adenitis... ..		Albuminuria	
Pertussis	1	Rhinitis	7	Otitis	1
Cervical Adenitis... ..		Otitis		Onychia	
Diarrhoea	4	Corneal Ulcer		Pneumonia	
Albuminuria		Hæmoptysis	1	Albuminuria	1
Pericarditis	1	Bedsore		Eczema	
Albuminuria		Nephritis		Rhinitis	
Otitis	6	Hæmaturia	1	Otitis	1
Cervical Adenitis... ..		Convulsions		Diarrhoea	
Conjunctivitis	1	Nephritis		Rhinitis	
Albuminuria		Otitis	1	Albuminuria	2
Onychia	2	Cervical Adenitis... ..		Cancrum Oris	
Impetigo		Albuminuria	4	Cervical Cellulitis	
Hæmaturia	1	Otitis		Otitis	1
Otitis		Cervical Adenitis		Diarrhoea	
Urticaria	1	Otitis	1	Albuminuria	
Albuminuria		Diarrhoea		Rhinitis	2
Rhinitis	3	Nephritis		Otitis	
Otitis		Diarrhoea	1	Albuminuria	
Hysteria	1	Convulsions		Convulsions	1
Pertussis... ..		Otitis		Optic Neuritis	
Albuminuria	2	Albuminuria	1	Nephritis	
Cervical Adenitis		Diarrhoea		Convulsions	1
Eczema	1	Cervical Adenitis... ..		Pertussis... ..	
Rhinitis		Albuminuria... ..	4	Albuminuria	
Diarrhoea	1	Diarrhoea		Otitis	1
Rhinitis		Cervical Adenitis... ..		Pulmonary Edema	
Onychia	1	Rhinitis	1	Rhinitis	
Rhinitis		Rheumatism		Eczema	1
Eczema	1	Albuminuria		Otitis	
Parotid Abscess		Rhinitis	1	Diarrhoea	
Erysipelas	1	Eczema		Rhinitis	
Otitis		Otitis		Eczema	1
Eczema	1	Diarrhoea	1	Otitis	
Cervical Adenitis... ..		Pertussis... ..		Cervical Adenitis... ..	
Pericarditis	1	Cervical Adenitis		Rhinitis	
Abscess of Elbow... ..		Otitis	1	Otitis	1
Albuminuria	1	Herpes		Cervical Adenitis... ..	
Sloughing of Scrotum... ..		Pericarditis		Abscess in Arm	
Pertussis	1	Albuminuria	1	Rhinitis	
Parotitis... ..		Cancrum Oris		Otitis	1
Otitis	1	Cervical Adenitis		Diarrhoea	
Rhinitis		Rheumatism	1	Boils	
Conjunctivitis	1	Diarrhoea			
Cervical Adenitis... ..		Cervical Adenitis			
Nephritis	2	Otitis	2		
Convulsions		Eczema			

SOUTH-EASTERN HOSPITAL.

Complications of Scarlet Fever, 1887.

I.		Acute Nephritis } 37	Acute Nephritis } 2	Rhinitis } 1
Acute Nephritis } 1		Cedema of Glottis... .. } 2	Otitis } 1	Laryngitis } 1
Pneumonia } 1		II.		
Acute Nephritis } 1		Albuminuria... .. } 96	Rhinitis } 1	Otitis } 1
Pleurisy } 1		Albuminuria... .. } 6	Cellulitis } 1	
Acute Nephritis } 2		Otitis } 2	IV.	
Pneumonia } 2		Albuminuria... .. } 2	Otitis } 7	
Pleurisy } 1		Otitis } 2	Otitis } 1	
Acute Nephritis } 1		Laryngitis } 2	Adenitis... .. } 1	
Broncho-Pneumonia } 1		Albuminuria... .. } 2	Erysipelas } 1	
Acute Nephritis } 2		Otitis } 2	V.	
Catarrhal-Pneumonia } 2		Rhinitis } 2	Rheumatism } 9	
Rhinitis } 1		Albuminuria... .. } 2	Rheumatism } 1	
Acute Nephritis } 1		Otitis } 1	Old Mitral Disease } 1	
Pneumonia } 1		Adenitis... .. } 1	Rheumatism } 1	
Rhinitis } 1		Albuminuria... .. } 1	Old Bright's Disease .. } 1	
Otitis } 1		Otitis } 1	VI.	
Uræmic Convulsions } 1		Catarrhal-Pneumonia... .. } 1	Conjunctivitis } 16	
Acute Nephritis } 1		Suppurative Keratitis... .. } 6	VII.	
Empyema } 1		Albuminuria... .. } 1	Eczema Capitis } 4	
Acute Nephritis } 1		Adenitis... .. } 1	Impetigo } 10	
Peritonitis } 3		Albuminuria... .. } 1	VIII.	
Acute Nephritis } 3		Cellulitis } 1	Adenitis } 15	
Rheumatism } 1		Albuminuria... .. } 3	Adenitis } 5	
Acute Nephritis } 1		Tonsillitis } 1	Cellulitis } 5	
Rheumatism } 1		Albuminuria... .. } 2	IX.	
Cellulitis } 1		Periostitis } 2	Pneumonia } 3	
Membranous Laryngitis } 1		Albuminuria... .. } 2	Pleurisy } 2	
Acute Nephritis } 1		Albuminuria... .. } 2	Pneumonia } 3	
Membranous Laryngitis } 1		Pertussis } 1	Pleurisy } 1	
Acute Nephritis } 2		Albuminuria... .. } 1	Pneumonia } 1	
Rhinitis } 2		Pregnancy } 1	Laryngitis } 1	
Acute Nephritis } 1		III.		
Conjunctivitis } 1		Rhinitis } 14	Bronchitis } 1	
Acute Nephritis } 2		Rhinitis } 1	Pertussis... .. } 7	
Adenitis... .. } 2		Laryngitis } 1	Pertussis... .. } 1	
Cellulitis } 2		Rhinitis } 2	Broncho-Pneumonia } 1	
Rhinitis } 2		Cellulitis } 2	Laryngitis } 1	
Laryngitis } 3		Rhinitis } 3	X.	
Acute Nephritis } 1		Adenitis } 2	Epistaxis } 2	
Eczema } 1		Rhinitis } 2	XI.	
		Otitis } 2	Retention } 1	

Complications of Scarlet Fever, 1887—(continued).

XII.		XIV.		XVII.	
Scald	2	Diphtheria	1	Pregnancy	1
XIII.		XV.		XVIII.	
Laryngitis	1	Croup	1	Relapse	2
Œdema of Glottis ...		XVI.		XIX.	
Laryngitis	4	Tonsillitis	1	Hydrophobia	1
Laryngitis	1	XVI.		XX.	
Carbuncle		Cellulitis	9	Stomatitis	1

Complications of Enteric Fever, 1887.

I.		Bronchitis		VI.	
Pneumonia	3	Bright's Disease	1	Periostitis	1
Pneumonia	1	III.		VII.	
Bronchitis		Hæmorrhage		Retention	
Pneumonia	1	Hæmorrhage		VIII.	
Diaphragmatic Pleurisy		Relapse		Abscesses	
Hæmorrhage		Relapse		1	
Perforation	1	IV.		TYPHUS.	
Pneumonia		Relapse		I.	
Pleurisy	1	Relapse		Pleurisy	
II.		Peritonitis		II.	
Bronchitis	1	V.		III.	
Bronchitis	1	Otitis		Neuralgia	
Retention		3		1	
Bronchitis	1	Otitis		3	
Otitis		3		1	

NORTHERN HOSPITAL.

Complications and Sequelæ of Scarlet Fever, 1887.

Adenitis	20	Rötheln	3
5 of which suppurated, 2 of them being in cases of albuminuria. In 3 cases albuminuria was present without suppuration.		Variola	1
Otitis	10	Pneumonia	2
1 with Stomatitis, 1 with Rhinitis.		Meningitis	2
Rhinitis	2	Membranous Croup	6
1 with Otitis, 1 with Conjunctivitis.		Diphtheria	5
Ulcerative Stomatitis	19	Laryngitis	2
Conjunctivitis	22	Pyæmia	1
1 with Rhinitis, 17 Sero-purulent.		Rheumatism	1
Albuminuria	28	Erysipelas	1
Nephritis	2	Abscess	5
Tonsillitis	6	Include Gluteal, Ischio-rectal Cervical, Axillary, and Planta	
Bronchitis	4	Phlebitis (double Iliac)	1
Measles	31	Gastritis and Colic	2
Chickenpox	13	Eczema	4
Whooping Cough	10		

SMALLPOX STATISTICS.—EASTERN HOSPITAL.

TABLE I.—Return showing the Monthly Admissions of Vaccinated, Doubtfully Vaccinated, and Unvaccinated Smallpox Patients, from each Parish or Union during the year 1887; Total Admissions and Discharges.

PARISH OR UNION.	APRIL.			MAY.			JULY.			SEPTEMBER.			TOTAL ADMISSIONS.			DISCHARGES.		
	Vaccinated.	Doubtful.	Unvaccinated.	Vaccinated.	Doubtful.	Unvaccinated.	Vaccinated.	Doubtful.	Unvaccinated.	Vaccinated.	Doubtful.	Unvaccinated.	Vaccinated.	Doubtful.	Unvaccinated.	Vaccinated.	Doubtful.	Unvaccinated.
Hackney	1	...	...	1	...	...	...	...	...	...	...	...	2	...	...	2	...	...
Holborn ... ..	...	...	...	...	...	...	...	...	...	1	...	...	1	...	...	1	...	...
Poplar	1	...	...	1	...	...	1	...	...	...	...	...	3	...	...	3	...	...
Totals	2	...	...	2	...	...	1	...	...	1	...	...	6	...	...	6	...	...

N.B.—Admissions, &c., from "other diseases" during the year are not included in this Return.

NOTE.—Of these, 2 were sent to "Atlas," and 4 discharged from this Hospital.

TABLE II.—Showing the ages and numbers of Smallpox Patients admitted from the 1st January to 31st December, 1887, inclusive, distinguishing the Vaccinated and those said to be Vaccinated.

AGES.	VACCINATED.				Said to be Vaccinated, but without visible marks.	
	MALES.		FEMALES.			
	Standards of Vaccination.		Standards of Vaccination.		MALES.	
	CLASS 2†—Imperfect.		CLASS 2†—Imperfect.			
	Admitted.	Died.	Admitted.	Died.	Admitted.	Died.
Under 1 Year	1	...	...	...
From 9 to 10 Years
„ 20 „ 25 „	1	...	...	...
„ 30 „ 35 „	1	...
„ 40 „ 50 „	1	...	...	...
„ 50 „ 60 „	1	...	...	...
	4	...	1	...	1	...

† CLASS 2, OR IMPERFECT VACCINATION.—A superficial area of less than one-third of a square inch, of one or more well defined cicatrices; or a superficial area of the same or greater extent, but deficient in or wanting foveation.

TABLE III.—Showing the Admissions and Deaths of Cases from One Month old up to 10 Years, distinguishing Males and Females, Vaccinated and Unvaccinated.

	MONTHS TO 1 YEAR.		YEARS UP TO TEN.		TOTAL ADMISSIONS.	TOTAL DEATHS.
	5		10			
	Admitted.	Died.	Admitted.	Died.		
Vaccinated Males and Females ...	1	...	1	...	2	...
Unvaccinated Males and Females ...	...	...	...	...	...	...
Totals	1	...	1	...	2	...

SOUTH-EASTERN HOSPITAL.—Smallpox Cases admitted during 1887

Date.	Name.	Age.	Parish.	Disease.	Vaccination.	Result.
January 3	James Forfar ...	21	Greenwich ...	Variola ...	Vaccination good ...	To ships, January 4th.
" 17	Ann Russell ...	30	St. George's-in-the-East ...	Variola ...	Vaccination imperfect ...	To ships, January 18th.
" 18	Charlotte Russell ...	4	St. George's-in-the-East ...	Variola ...	Not Vaccinated ...	To ships, January 19th.
February 10	Henry Piper ...	23	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, February 11th.
" 20	Adelaide Clifton ...	21	Westminster ...	Variola ...	Vaccination doubtful ...	To ships, February 21st.
March 24	John Franklin ...	50	Paddington ...	Variola ...	Vaccination doubtful ...	To ships, March 25th.
April 4	Francis Gibbs ...	18	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 5th.
" 4	Nicholas Arnold ...	25	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 5th.
" 5	Mary Gibbs ...	20	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 6th.
" 5	Sarah Ann Jiggins ...	20	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 6th.
" 7	Baker Foulter ...	40	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 8th.
" 7	Saml. Gibbs ...	56	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 8th.
" 9	George Gibbs ...	14	Woolwich ...	Variola ...	Vaccination imperfect ...	To ships, April 10th.
May 8	Ada Higgitt ...	29	Kensington ...	Variola ...	Vaccination imperfect ...	To ships, May 9th.
August 24	Wm. Yeaxbe ...	29	Bethnal Green ...	Variola ...	Vaccination imperfect ...	To ships, August 25th.
September 5	Agnes Croggan ...	16	St. James' ...	Variola ...	Vaccination imperfect ...	To ships, September 6th.
" 17	Matthew Farnsworth ...	28	St. Saviour's ...	Variola ...	Vaccination doubtful ...	To ships, Sept. 18th.
October 10	Saml. Hawkes ...	23	St. Olave's ...	Variola ...	Vaccination doubtful ...	To ships, October 11th.
" 17	Jane Coakley ...	4	Whitechapel ...	Variola ...	Vaccination doubtful ...	To ships, October 18th.
" 31	Anne Collyer ...	22	St. George's-in-the-East ...	Variola ...	Vaccination good ...	To ships, November 1st.
November 4	Alfred Cutting ...	6	Paddington ...	Variola Confluentis ...	Vaccination imperfect ...	Died, November 5th.
" 4	Ar. Chambers ...	13	St. Olave's ...	Variola ...	Vaccination good ...	To ships, November 5th.

HOSPITAL SHIPS.

TABLE II.—Admissions and Deaths of Children up to 10 years of age.

Sex.	Age.	Vaccination.	Termination.
Girl	10 months	Not vaccinated ...	Recovered.
Girl	4 years	Doubtful	Recovered.
Girl	4 years	Not vaccinated ...	Died.
Girl	6 years	Vaccinated	Recovered.
Boy	6 years	Not vaccinated ...	Recovered.
Boy	10 years	Vaccinated	Recovered.
Girl	10 years	Doubtful	Recovered.

REPORTS OF THE MEDICAL SUPERINTENDENTS OF
THE SEVERAL ASYLUMS FOR IMBECILES FOR 1887.

No. 9.

REPORT OF DR. H. CASE, MEDICAL SUPERINTENDENT OF THE
LEAVESDEN ASYLUM.

(For Statistics, see pp. 96 to 117.)

LEAVESDEN ASYLUM,

NEAR WATFORD, HERTS,

January, 1888.

To the Committee of Managers of the Leavesden Asylum.

GENTLEMEN,

I beg to hand you my Report for the year 1887, and annex the usual Statistical Tables.

The following numerical changes have occurred during the year:—There were under treatment on the first January, 1887, 1,985 patients, 885 being males and 1,100 females; 174 have been admitted, viz., 82 males and 92 females; 22 have been discharged, and 145 have died, leaving in the Asylum on December 31st, 1,992.

The average numbers resident during the year were 895 males and 1,092 females.

The admissions have increased, being 174 against 151 in 1886; the ages of these are shown in Table 10, and it will be noted that a large majority were of advanced age; and I am sorry to have to state that no less than 68 were in such feeble health they required immediate treatment in the Infirmary; they are for the most part incurable, and this class has accumulated to such an extent that it will be necessary to extend, considerably, the Hospital accommodation; this fact, I know the Committee thoroughly recognise the importance of, and are giving the matter their serious consideration.

The mental forms of disease under which those admitted were suffering will be found in Table 4. One patient, a female *æt.* 27, was found to be Epileptic without mental complication, and has therefore been discharged.

Two male patients were readmitted, one (C. J.) was discharged in December, 1884, as a fit case for a County Asylum, being maniacal and

dangerous to others (he is now quite demented) ; the other escaped, he is subject to severe Epileptic fits, but had improved under treatment here so much that he simply anticipated my intention to recommend him for discharge ; he is again rapidly improving, and will, I think, shortly be returned to his parish.

Three recoveries only am I able to record. Eight have been relieved, and eleven have been discharged as not improved, ten of these last as fit cases for treatment at a County Asylum, and one (a qualified medical man) escaped when out for a country walk, and has not since been heard of. The circumstances attending this escape were thoroughly investigated by the Committee at the time.

The mortality has been at the rate of 7·3 per cent. on the daily average number resident.

The causes of death are given in Table 7. These call for no special remark, except that senility and organic disease are the chief.

No casualty of importance has occurred during the year.

The usual amusements for the patients have taken place.

The Queen's Jubilee was duly observed, and additional entertainments were provided.

The Library, so well attended to by our Chaplain, continues to afford needful pleasure and occupation, and the additional daily and weekly papers recently granted by the Committee are appreciated to the utmost.

In August the addition to the Cemetery was consecrated by the Bishop of Colchester.

I am glad to be able to report that we have now an efficient Fire Brigade, composed of attendants who sleep on the premises and are under the control, in cases of emergency, of a Resident Fireman.

Electric communication is established throughout the Asylum.

On September 21st, in consequence of the prevalence of Scarlet Fever in the Metropolis, the friends of our patients were only allowed to visit them in cases of serious illness. This restriction, though absolutely necessary, was keenly felt by the inmates.

One of the male patients contracted Scarlet Fever in October ; he was promptly isolated and the disease did not spread.

It was prevalent in the neighbourhood at the time.

The Matron was, unfortunately, obliged to absent herself towards the close of the year, in consequence of ill-health. Her duties were ably performed by the Assistant Matron.

With much regret I have to record the death of one of our valued head attendants, Eliza S. Ransome; she had been in the service about fourteen years, and died somewhat suddenly on December 27th, from fatty degeneration of the heart, associated with Chronic Bronchitis.

My best thanks are due to my brother officers for their ready and efficient help, which they have at all times accorded me.

Allow me, once again, Gentlemen, to express to you my great appreciation of your kindness, courtesy, and support.

I have the honour to be

Your obedient servant,

(Signed) H. CASE,
Medical Superintendent.

The numerical results of the past year may be learnt from the appended Table:—

Total	Males	Females
1,073	517	556
201	97	104
2,174	1,014	1,160
37	19	18
119	57	62
3,011	1,490	1,521

The average number resident during the past year have been 328 males and 1,073 females; total, 2,000.

THE ADMITTANCES

The number of patients admitted was smaller by 14 than it was in the preceding year.

3 patients were re-admitted during the year, and the total number of admissions was 190—14 of these were between 60 and 80 years of age.

No. 10.

REPORT OF DR. G. STANLEY ELLIOT, MEDICAL SUPERINTENDENT
OF THE CATERHAM ASYLUM.

(For Statistics, see pp. 96 to 117.)

CATERHAM ASYLUM,
December 31st, 1887.

*To the Committee of Management of the Metropolitan District Asylum,
Caterham.*

MR. CHAIRMAN AND GENTLEMEN,

I have the honour of submitting to you my Annual Report upon the general condition of the Asylum for the year 1887, together with the usual Statistical Tables, affording information regarding the histories of the patients admitted, discharged, and deceased, and of those remaining under care at the end of the year.

The numerical results of the past year may be learnt from the subjoined table :—

	Males.	Females.	Total.
On the 1st of January, 1887, the Asylum contained	933	1,069	2,002
There have been admitted during the year	105	91	196
The total number under treatment has been... ..	1,038	1,160	2,198
Of that number there have been discharged	20	16	36
There have died	75	74	149
Remaining under treatment at the close of the year	943	1,070	2,013

The average numbers resident during the past year have been 928 males, and 1,072 females ; total, 2,000.

THE ADMISSIONS.

The number of patients admitted was smaller by 14 than it was in the preceding year.

3 patients were readmitted during the year, and the total number of admissions was 196—44 of these were between 60 and 80 years of age.

I regret to have to again report on the very enfeebled and helpless bodily condition of a large proportion of those admitted. Many were so weakly and feeble on their arrival that it was requisite to at once place them under Infirmary care and on medical extras, and very few indeed were admitted in a fit bodily condition to be able to render the slightest help in the industrial labour of the Asylum.

The causes of the mental condition of the newly admitted were chiefly traced, so far as can be ascertained, either to hereditary predisposition or alcoholic intemperance with its concomitant evils.

THE DISCHARGES.

The discharges numbered 36, viz., 20 males and 16 females, of whom 13 were discharged as recovered, 15 relieved, and 8 not improved. In connection with the subject of recoveries, I may mention that I was enabled, by the help of the "After-care Association," for poor and friendless patients on leaving asylums for the insane, to obtain a suitable situation for a female who had been subject to epilepsy but had since recovered, and I have reason to know is now earning her livelihood and giving every satisfaction as a domestic servant in a public institution. It would have been necessary, without the help referred to, to have sent her to the workhouse, which would very likely in this case have exercised an unfavourable influence on her mind and tended to cause a mental relapse.

THE DEATHS.

The number of deaths was nearly the same as the preceding year, viz., 149, as compared with 147 in 1886. The principal causes were epilepsy, general paresis, exhaustion of cerebral disease, and decay of old age; 32 were due to this latter cause, 26 were between 70 and 79, and 16 were between 80 and 89 years of age at the time of their death. There has been no fatal casualty.

The percentage of deaths on the average number resident was 7.45.

GENERAL HISTORY.

The general health of the patients has been good, and there has been entire immunity from epidemic disease during the year.

All the patients of both sexes who are in any way capable of being usefully occupied have been employed in some industrial work.

There have been few structural alterations of any importance effected.

It was found that the old "Dolly" washing machines in the laundry were no longer equal to the quantity of work to be done, and a second "Clement, Jeakes, & Co." Rotary Washing Machine was purchased and fixed, and it is now found that the work can be kept well under control.

The chimney stacks, under the original contract, having been built in mortar, it was found absolutely necessary to take a portion of them down and re-erect them, and, as Portland cement was used instead of mortar, a lasting work was effected. A considerable quantity of painting has been done, both external and internal. The outside work included the whole of the male blocks, the iron fire-escape bridges, the administrative block, the detached infirmary, &c. The inside work comprised two male blocks, the dormitory over the recreation hall, &c. The chapel has also been cleaned and renovated, and the organ, which had become much out of repair, has been taken to pieces, refitted, and improved by Messrs. Bevington.

The usual weekly amusements have been kept up during the year, and continued to be a source of enjoyment and recreation for the patients, and undoubtedly had a most beneficial effect. They have been varied by occasional theatrical and Christy Minstrel entertainments, organised amongst the members of the staff, and we are again indebted to the kind services of some musical volunteers from London who on two occasions gave us concerts, which were much appreciated. Music is an unfailing source of pleasure amongst the insane, and plays a potent part in cheering the depressed, soothing the irritable, and rousing the apathetic and otherwise listless amongst them. I therefore regard it as most desirable to avail myself of the musical talent possessed by many of the officials, to whom I am indebted for their ever ready aid, and I must here specially acknowledge the valuable assistance I have received from my colleague, Dr. Campbell, who by his musical ability and pains-taking training has materially contributed to the success of the chapel choir and glee class. The customary outdoor sports, such as cricket, football, &c., have been resorted to during the summer months.

Jubilee day was celebrated as a general holiday and "gala day" amongst the patients, who were supplied with extra fare and various recreations provided for them.

There has been no change in the staff of officers, and I can report most favourably of the conduct generally of the attendants and servants.

The Commissioners in Lunacy visited the Asylum in June last, and there are there male patients under care here, who are subject to the jurisdiction

of the Court of Chancery, and are also periodically visited by a Lord Chancellor's Visitor in Lunacy.

My best thanks are due to the Assistant Medical, and other Officers, for their valuable assistance at all times afforded me.

In conclusion, I desire to express my obligation to the Chairman and Committee of Management, for their continued kind support and encouragement, in the discharge of my responsible duties.

I have the honour to be, Gentlemen,

Your obedient Servant,

(Signed) G. STANLEY ELLIOT,

Medical Superintendent.

Year	Admitted	Discharged	Deaths
1897	141	112	29
1898	128	108	20
1899	121	101	20
1900	114	94	20
1901	107	87	20

No. 11.

REPORT OF DR. T. B. DYER, MEDICAL SUPERINTENDENT OF
THE DARENTH ASYLUM.

(For Statistics, see pp. 96 to 117.)

DARENTH ADULT ASYLUM,
January, 1888.

GENTLEMEN,

I have the honour to submit the Annual Report of this Asylum for the year 1887.

The following changes occurred during the year :—

	Males.	Females.	Total.
In the Asylum 1st January, 1887	312	484	796
Admitted	53	108	161
Discharged	23	27	50
Died	25	34	59
Remaining 31st December, 1887	317	531	848

Of the admissions, 100 were transfers from the schools, and the others from the parishes were mostly chronic and incurable cases.

Of the discharges, some had improved and able to try to get their living outside, and a few who had become dangerous to themselves or others, were sent back to their parishes to be removed to county asylums.

The causes of death appear in the annexed tables; the number of deaths were less than last year.

We have had no epidemic or much serious illness amongst the staff or patients. There have been two inquests held at the Asylum; one on a woman *æt.* 90, and one on a woman *æt.* 73. The verdicts were in both cases from syncope, following the shock of a fall accidentally sustained.

The farm work of the patients has been somewhat altered and improved this year, many more working there and spending the greater part of the day employed on the farm. They now have their meals at the farm buildings, and a special farm attendant has now been appointed to supervise their work and instruct them in it. Several of the patients who are not sufficiently intelligent for farm or other work in the shops have spent their days usefully

in carting gravel, and conveying it about to different roads that require repairing on the estate. The employment of the male patients in the shops is also going on, and much useful work is done by them in the tailor, shoemaker, upholsterer, and carpenter's shops.

The women assist in the laundry, make and mend clothing, and are useful in household work.

The winter amusements of the patients have been carried on weekly, and have consisted of dances and musical and theatrical entertainments. For the New Year's entertainment, a performance of "Upper Crust" was given to the patients by the Tottenham House Dramatic Club, and another performance was given them by some amateurs of Dartford. Another treat was given them by a gentleman exhibiting some excellent Dissolving Views. For outdoor amusements, they have had cricket and football, for the men; and both men and women have walks in the neighbourhood. There was also an outdoor fête in the autumn.

The blocks on the female side, the male infirmary, and the hall, have been painted and decorated this year, and many of the closets on both sides have had their floors leaded, to protect them from damp. Several of the hearths have been extended to prevent the fall of cinders igniting the floor; and many of the old gas-burners in the wards and dormitories have been renewed, as they were wearing out.

A fireman has also been appointed this year.

The pavilions in the rear of the Asylum are about to be opened, and also the new blocks attached to this Asylum. This will enable me to receive the many patients now waiting admission, and to classify more completely the patients already here.

We are glad to hear that the good conduct money to the attendants is to be paid, it having now been stopped for two years, and much disappointment has been felt in consequence.

I have to thank Dr. White for his willingness at all times to assist me, and also the staff generally, who have worked well during the year.

Thanking the Committee for their kind continued support and assistance.

I have the honour to be, Gentlemen,

Your obedient Servant,

(Signed) T. B. DYER.

To the Chairman and Committee,

Darenth Asylum for Adults.

No. 12.

REPORT OF DR. FLETCHER BEACH, MEDICAL SUPERINTENDENT
OF THE DARENTH SCHOOLS.

(For Statistics, see pp. 118 to 124.)

To the Chairman and Committee of Darenth Schools.

GENTLEMEN,

I beg to present you my Report for the year 1887.

There were in the Schools, on the 31st of December, 1886, 627 children, viz., 381 boys and 246 girls.

The changes that have taken place are as follows:—

	Males.	Females.	Total.
Admitted during the year... ..	84	62	146
Discharged	26	82	108
Died	17	14	31
Remaining on the 31st of December, 1887	422	212	634

The total number under treatment has been 773, and the average number daily resident 649·4.

ADMISSIONS.

146 patients, including 2 readmissions, have been admitted, about the usual number when there is plenty of room for them. Accommodation for the extra cases was provided in the spring by fitting up the new workshops in the grounds at the back of the Schools for the reception of patients; in October, as two of the "pavilions" were finished, the children were moved into them.

A register of applications for admissions from the different parishes has been kept during the past year, and patients have been admitted in the order of their application. In February, notice was sent to the Clerks to the various Boards of Guardians informing them that they must, in future, at the time application is made for the admission of patients, state the name, age, sex, and whether able-bodied or in a helpless condition. Every case for which application has been made has been received, with the exception of six, who were under five years of age, and information was sent that those cases would be received as soon as they had attained that age.

DISCHARGES.

These have been very numerous, owing to the transfer of 81 patients—12 males and 69 females—who were over 16 years of age, to the Adult Asylum. Of these, 74 had improved, and 7 had not improved. In addition, 12 boys and 5 girls were discharged to their parishes at the request of the Guardians. All of them, except one, were improvable. Eight female patients were discharged recovered, a percentage of 5·47 on the admissions. Two of these were sent to a home for servants, where places were found for them, and the remaining six were given over to their friends. Two boys were discharged to the parish for removal to a county asylum, being dangerous to the other patients.

DEATHS.

There have been 31 deaths, a percentage of 4·01 of the total number under treatment, or 4·7 on the average number daily resident. This is a larger number than last year, partly because of the admission of an increased number of helpless cases, but is much smaller than the death-rate in previous years, with the exception of the year 1877. The table, giving the ages of the decedents, is arranged in quinquennial periods, as before.

GENERAL HISTORY.

We have, fortunately, been comparatively free from contagious disease during the year, the only cases being ten of Scarlet Fever, which occurred in the spring. They were of a very mild character, and all of them recovered. In September, as the disease was greatly on the increase in London, the visiting of patients, except those in a dangerous condition, was stopped by order of the Committee. This regulation is still in force.

The work in the schoolroom has gone on quietly, and many cases of remarkable improvement have been noticed. Although many of those who have attended school for some time are making good progress, yet there are a large number who, from the condition of their brain, cannot be expected to improve much. All, however, except the very helpless cases of low type, attend school for a time, and it is only after some years' trial, and no improvement being noted, that such cases are removed from the schoolroom. There are at present 338 children on the school register, 210 boys and 128 girls. Of these, 156 have made steady and rapid progress during the year, 126 have improved slowly, 16 have learnt a very little, and 19 have made no progress; 21 have been absent the whole or the greater part of the year, in consequence of sickness. Many of the cases admitted during the year have

unfortunately not been of a character to admit of much improvement. Of the 146 patients admitted, 44 were helpless. The half-time arrangement, by which the more intelligent spend half their day in the shops, is still carried out. 1,723 articles, or nearly 500 more than last year, have been made in the schoolroom.

In the industrial department, progress is still being made. 27 boys work in the tailor's shop, and 28 in the shoemaker's shop. Both shops now nearly, if not quite, pay for themselves. In the tailor's shop 574 articles have been made, and 2,804 have been repaired; value of the work, £144 10s. In the shoemaker's shop 809 boots and slippers have been made, and 1,897 have been repaired; value of the work, £180 10s. 6d.

On the girls' side, only 23 of our patients can be employed; but 47 of the female patients who were transferred to the Adult Asylum come over to do the domestic work here, and without whom we should come to a standstill. The arrangement is the best that can be made under the circumstances, but is of course attended with drawbacks. In the workroom 7,092 articles have been made.

Many visitors have come to see the working of the Schools during the year. There have been—

The Royal Commission on the Blind, Deaf and Dumb, and Imbeciles.

Rev. M. C. Dana, Vice-President of the State Board of Corrections and Charities, Minnesota.

Dr. Manning, Inspector-General of the Insane, New South Wales.

Mr. Blankenstein, Municipal Councillor at Berlin.

Mr. Thuer, Technical Attaché to the German Embassy.

Some members of the Paddington Board of Guardians.

Some members of the Committee of Banstead Schools.

Some of the Committee of the St. Saviour's Board of Guardians.

The two last bodies came specially to see the working of the Atkins' Water Filter system (which I may mention has been a great success), but afterwards visited the wards. All expressed themselves as being pleased with what they saw, and many left very favourable reports in the visitors' book. The usual visits of the Inspectors of the Local Government Board and the Commissioners in Lunacy were also made.

The casualties have been few. The most important one was a laceration of the brain caused by an epileptic patient attacking a boy with a window pole; fortunately, he made a good recovery. It was noticed that, on his going to school again, he took up his lessons just where he left them off.

This was no doubt due to the wound being in the posterior part of the brain, a part not necessary to the development of the intelligence.

In the autumn the Committee, acting on a report of a Sub-Committee, thought it expedient to reduce the staff. Notice was therefore given to the Night Superintendent, a porter, and a carpenter, and the labourers on the farm have also been reduced in number. It is to be hoped that the Committee will not hear any more of the expense of Darenth Schools, now that the patients are fed and clothed for 6½d. per day, and are kept entirely for 1s. 6d. per day. It is also satisfactory to know that each officer is kept here for £25 per year.

In the summer a fête was held in the grounds in front of the Schools. Punch and Judy, conjuring, donkey riding, and Aunt Sally, proved very attractive to the patients, and races were run on the following day, prizes to the winners and others being afterwards presented. Our Christmas tree, this year, was more gorgeous than ever, owing to the kindness of the editor of *Truth*, who sent us many dolls and toys. The usual summer and winter entertainments have gone on as usual.

Few structural alterations have been required during the past year, but the Schools have been painted and whitewashed throughout.

I am glad to know that the question of the good conduct money, for the attendants and servants, has been taken up by the Committee, and that there is a prospect of the arrears being paid to them. The work of attending on the best class of imbecile children is monotonous, and in the helpless wards is very fatiguing.

I have to thank the Officers for their ready support and assistance, and you, Gentlemen, for your continued confidence.

I have the honour to be, Gentlemen,

Your obedient Servant,

(Signed) FLETCHER BEACH,

Medical Superintendent.

Darenth Schools,
January, 1888.

	LEAVESDEN ASYLUM.					
	Males.	Females.	Total.	Males.	Females.	Total.
In the Asylums, 1st January, 1887...	...	...	...	885	1,100	1,985
Admitted for the first time during the year	80	92	172	...	...	...
Re-admitted during the year...	2	...	2	...	...	...
				82	92	174
Total under care during the year	...	...	...	967	1,192	2,159
Discharged or removed—						
Recovered	2	1	3	...	...	...
Relieved	6	2	8	...	...	...
Not improved	7	4	11	...	...	...
Died	52	93	145	...	...	...
Total discharged (for various reasons) and died during the year	...	...	...	67	100	167
Remaining in the Asylums, 31st December, 1887...	...	...	...	900	1,092	1,992
Average numbers resident during the year	...	...	...	895	1,092	1,987
Highest number resident on any one day	...	...	...	900	1,100	2,000
Lowest number resident on any one day	...	...	...	892	1,080	1,972

TABLES II.—*Showing the Admissions, Re-admissions, and Discharges from*

[N.B.—The following are the dates of the opening of the several Asylums:—

	LEAVESDEN ASYLUM.					
	Males.	Females.	Total.	Males.	Females.	Total.
Admitted during the period of 17 $\frac{83}{30}$ years	...	...	...	2,705	2,884	5,589
Re-admissions	...	...	...	24	8	32
Total of cases admitted	...	...	...	2,729	2,892	5,621
Discharged or removed—						
Not insane	...	...	...	...	...	...
Recovered	125	76	201	...	...	...
Relieved	138	112	250	...	...	...
Not improved	227	225	452	...	...	...
Died	1,339	1,387	2,726	...	...	...
Total discharged and died during the 17 $\frac{83}{30}$ years	...	...	...	1,829	1,800	3,629
Remaining 31st December, 1887	...	...	...	900	1,092	1,992
Average numbers resident during the 17 $\frac{83}{30}$ years	...	...	...	809	1,026	1,835

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
...	...	...	933	1,069	2,002	...	...	...	312	484	796	...	...	...	2,130	2,653	4,783
103	90	193	...	...	...	53	104	*157	...	...	...	236	286	*522	...	...	...
2	1	3	...	...	...	...	4	4	...	...	...	4	5	9	...	...	...
...	...	...	105	91	196	...	...	...	53	108	161	...	...	...	240	291	531
...	...	...	1,038	1,160	2,198	...	...	...	365	592	957	...	...	...	2,370	2,944	5,314
8	5	13	...	...	...	...	...	...	...	...	...	10	6	16	...	...	...
9	6	15	...	...	...	19	20	39	...	...	...	34	28	62	...	...	...
3	5	8	...	...	...	4	7	11	...	...	...	14	16	30	...	...	...
75	74	149	...	...	...	25	34	59	...	...	...	152	201	353	...	...	...
...	...	...	95	90	185	...	...	...	48	61	109	...	...	...	210	251	461
...	...	...	943	1,070	2,013	...	...	...	317	531	848	...	...	...	2,160	2,693	4,853
...	...	...	928	1,072	2,000	...	...	...	307	483	790	...	...	...	2,130	2,647	4,777
...	...	...	945	1,080	2,025	...	...	...	318	537	855	...	...	...	2,163	2,717	4,880
...	...	...	918	1,062	1,980	...	...	...	293	449	742	...	...	...	2,103	2,591	4,694

the Opening of the First Asylum to the present date, 31st December, 1887.

LEAVESDEN, 7th October, 1870; CATERHAM, 7th October, 1870; and DARENTH, 4th May, 1880.]

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
...	...	...	3,245	2,955	6,200	...	...	...	605	933	1,538	...	...	...	6,555	6,772	13,327
...	...	...	25	25	50	...	...	...	1	7	8	...	...	...	50	40	90
...	...	...	3,270	2,980	6,250	...	...	...	606	940	1,546	...	...	...	6,605	6,812	13,417
...	1	1	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...
188	148	336	...	...	...	30	21	51	...	...	...	343	245	588	...	...	...
236	134	370	...	...	...	56	54	110	...	...	...	430	300	730	...	...	...
217	159	376	...	...	...	29	58	87	...	...	...	473	442	915	...	...	...
1,686	1,468	3,154	...	...	...	174	276	450	...	...	...	3,199	3,131	6,330	...	...	...
...	...	...	2,327	1,910	4,237	...	...	...	289	409	698	...	...	...	4,445	4,119	8,564
...	...	...	943	1,070	2,013	...	...	...	317	531	848	...	...	...	2,160	2,693	4,853
...	...	...	790	995	1,785	...	...	...	204	359	563	...	...	...	1,803	2,380	4,183

* Including 12 males, 69 females, transferred from the Darenth Schools.

98 LUNACY STATISTICS.—TABLES III.—*Showing the Admissions, Discharges, and Admissions for part of the year 1870, for the succeeding Ten Years,*

YEAR.	ADMITTED.			DISCHARGED								
				RECOVERED.			RELIEVED.			NOT IMPROVED.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
LEAVESDEN ASYLUM.												
Part of } 1870 }	468	556	1,024	1	...	1	...	...	...	3	8	11
1871 } to }	1,729	1,699	3,428	89	40	129	103	78	181	186	192	378
1880 } 1881	89	72	161	13	7	20	7	7	14	6	2	8
1882	85	87	172	10	7	17	3	5	8	3	...	3
1883	80	107	187	2	3	5	7	7	14	6	1	7
1884	58	96	154	1	8	9	4	7	11	4	7	11
1885	73	97	170	7	9	16	4	5	9	3	6	9
1886	65	86	151	...	1	1	4	1	5	9	5	14
1887	82	92	174	2	1	3	6	2	8	7	4	11
CATERHAM ASYLUM.												
Part of } 1870 }	156	202	358	...	...	...	...	...	...	...	1	1
1871 } to }	2,450	2,209	4,659	136	107	243	190	97	287	181	129	310
1880 } 1881	122	105	227	8	5	13	7	8	15	7	9	16
1882	81	87	168	8	6	14	11	3	14	12	8	20
1883	76	40	116	10	4	14	6	5	11	6	1	7
1884	100	103	203	4	11	15	5	9	14	4	4	8
1885	62	51	113	8	6	14	4	2	6	1	...	1
1886	118	92	210	6	5	11	4	4	8	3	2	5
1887	105	91	196	8	5	13	9	6	15	3	5	8
DARENTH ASYLUM.												
Part of } 1880 }	25	217	242	...	...	...	...	2	2	...	9	9
1881 ... ..	...	29	29	1	4	5	...	...	...	...	2	2
1882	230	203	433	...	...	...	4	5	9	2	2	4
1883	113	161	274	...	...	...	3	2	5	3	6	9
1884	57	67	124	6	7	13	3	4	7	8	14	22
1885	62	84	146	23	10	33	...	...	...	9	8	17
1886	66	71	137	...	...	...	27	21	48	3	10	13
1887	53	108	161	...	...	...	19	20	39	4	7	11
SUMMARY.												
Part of } 1870 }	624	758	1,382	1	...	1	...	...	...	3	9	12
1871 } to }	4,204	4,125	8,329	225	147	372	293	175	468	367	330	697
1880 } 1881	211	206	417	22	16	38	14	15	29	13	13	26
1882	396	377	773	18	13	31	18	13	31	17	10	27
1883	269	308	577	12	7	19	16	14	30	15	8	23
1884	215	266	481	11	26	37	12	20	32	16	25	41
1885	197	232	429	38	25	63	8	7	15	13	14	26
1886	249	249	498	6	6	12	35	26	61	15	17	32
1887	240	291	531	10	6	16	34	28	62	14	16	30

DIED.			Remaining 31st December.			Average Numbers Resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers Resident.		
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
11	10	21	453	538	991	261	316	577	0.2	...	0.9	18.5	13.9	16.0
907	828	1,735	897	1,099	1,996	804	1,050	1,854	5.1	2.3	3.7	11.2	7.8	9.3
73	61	134	887	1,094	1,981	895	1,098	1,993	14.6	9.7	12.4	8.2	5.5	6.7
68	76	144	888	1,093	1,981	890	1,092	1,982	11.7	8.0	9.9	7.7	6.9	7.2
59	99	158	894	1,090	1,984	894	1,090	1,984	2.5	2.8	2.6	6.6	9.0	7.9
53	73	126	890	1,091	1,981	898	1,095	1,993	1.7	8.3	5.8	5.9	6.6	6.3
58	89	147	891	1,079	1,970	895	1,085	1,980	9.4	9.2	9.7	6.4	8.2	7.4
58	58	116	885	1,100	1,985	893	1,095	1,988	0.0	1.1	0.6	6.5	5.3	5.8
52	93	145	900	1,092	1,992	895	1,092	1,987	2.4	1.1	1.7	5.8	8.5	7.3
1	3	4	155	198	353	...	...	...	...	...	...	...	...	...
1,159	970	2,129	939	1,104	2,043	794	1,016	1,810	5.5	4.8	5.2	14.4	9.5	11.7
100	105	205	939	1,082	2,021	924	1,076	2,000	6.45	4.76	...	10.82	9.75	...
64	64	128	925	1,088	2,013	935	1,083	2,018	9.87	6.89	...	6.84	5.90	...
66	54	120	913	1,064	1,977	930	1,080	2,010	13.15	10.00	...	7.09	5.00	...
69	65	134	931	1,078	2,009	930	1,082	2,012	4.00	10.67	...	7.41	6.00	...
74	64	138	906	1,057	1,963	913	1,060	1,973	12.90	11.76	...	8.10	6.05	...
78	69	147	933	1,069	2,002	915	1,061	1,976	5.08	5.43	...	8.52	6.50	...
75	74	149	943	1,070	2,013	928	1,072	2,000	7.61	5.49	...	8.08	6.90	...
...	8	8	25	198	223	24	139	163	...	...	...	...	5.15	5.69
...	22	22	24	199	223	24	197	221	...	13.7	17.2	...	11.16	9.93
16	29	45	232	366	598	97	249	346	...	...	...	16.4	11.61	12.97
35	47	82	304	472	776	267	400	667	...	...	...	12.9	11.80	13.09
36	40	76	308	474	782	308	476	784	1.6	1.6	1.6	12.10	9.90	10.67
36	59	95	302	481	783	298	447	745	4.72	2.76	4.08	12.45	12.64	12.41
26	37	63	312	484	796	310	481	791	...	...	...	8.38	7.68	8.00
25	34	59	317	531	848	307	483	790	...	...	...	8.14	7.04	7.47
12	13	25	608	736	1,344	...	...	...	...	...	...	...	...	...
2,066	1,806	3,872	1,861	2,401	4,262	1,622	2,205	3,827	5.3	3.5	4.4	12.7	8.1	10.1
173	188	361	1,850	2,375	4,225	1,843	2,371	4,214	10.4	7.7	9.1	9.3	7.9	8.5
148	169	317	2,045	2,547	4,592	1,922	2,424	4,346	4.5	3.4	4.0	7.7	6.5	7.2
160	200	360	2,111	2,626	4,737	2,091	2,570	4,661	4.4	2.2	3.3	7.6	7.7	7.7
158	178	336	2,129	2,643	4,772	2,136	2,653	4,789	5.1	9.7	7.6	7.3	6.7	7.0
168	212	380	2,099	2,617	4,716	2,106	2,592	4,698	19.2	10.7	14.6	7.9	8.1	8.0
162	164	326	2,130	2,653	4,783	2,118	2,637	4,755	2.4	2.4	2.4	7.6	6.2	6.9
152	201	353	2,160	2,693	4,853	2,130	2,647	4,777	4.1	2.0	3.0	7.1	7.6	7.3

100 LUNACY STATISTICS.—TABLES IV.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients admitted during the year 1887.*

MENTAL DISEASES.	LEAVESDEN ASYLUM.			CATERHAM ASYLUM.			DARENTH ASYLUM.			SUMMARY.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Dementia	47	54	101	39	21	60	...	...	...	86	75	161
Dementia, with Epilepsy	...	...	...	7	3	10	...	...	...	7	3	10
Dementia, with gen- eral Paresis ... }	...	...	...	12	3	15	...	...	...	12	3	15
Dementia, Senile ...	...	...	...	3	1	4	...	...	...	3	1	4
Epileptic ... ..	...	...	...	...	...	...	5	21	26	5	21	26
Epileptic, but not Insane }	...	1	1	...	...	...	...	...	...	...	1	1
Idiocy ... ..	...	...	..	2	7	9	2	9	11	4	16	20
Idiocy and Imbecility...	26	15	41	...	...	...	...	...	...	26	15	41
Imbecility ... ..	...	...	...	12	9	21	...	...	...	12	9	21
Imbecility, with Epilepsy ... .. }	...	...	...	13	14	27	...	...	...	13	14	27
Imbecile and Weak Mind... .. }	...	...	...	...	...	...	24	59	83	24	59	83
Insanity (Delusional)...	2	3	5	...	...	...	...	...	...	2	3	5
Mania ... ..	...	...	...	1	4	5	...	...	...	1	4	5
Mania (Chronic)...	...	...	...	6	17	23	...	1	1	6	18	24
Mania, with Epilepsy..	...	...	...	1	2	3	...	...	...	1	2	3
Melancholia... ..	4	12	16	9	10	19	3	3	6	16	25	41
Paralysis (General) ...	3	7	10	...	...	...	.	...	...	3	7	10
Paralytic and De- mented ... .. }	..	...	...	...	...	...	19	15	34	19	15	34
Totals	82	92	174	105	91	196	53	108	161	240	291	531

LUNACY STATISTICS.—TABLES V.—*Classifying, under the usual denominations of Mental Disease, the Mental Condition of the Patients resident in the Asylum on the 31st December, 1887.* 101

MENTAL DISEASES.	LEAVESDEN ASYLUM.			CATERHAM ASYLUM.			DARENTH ASYLUM.			SUMMARY.			
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
<i>Dementia—</i>													
With Epilepsy ...	117	122	239	77	108	185	}	...	...	862	1,055	1,917
Without „ ...	352	456	808	316	369	685							
Dementia & Paralysis ...	...	...	...	82	65	147	70	133	203	152	198	350
Dementia, Senile ...	...	...	...	77	64	141	...	...	...	77	64	141
<i>Epilepsy</i> ... ..	...	1	1	...	...	...	64	93	157	64	94	158
<i>Idiocy</i> ... ..	...	...	...	32	25	57	16	61	77	48	86	134
<i>Idiocy and Imbecility—</i>													
With Epilepsy ..	73	121	194	}	...	...	...	...	...	386	421	807
Without „ ...	313	300	613										
Imbecility ... ..	...	...	...	320	333	653	154	200	354	474	533	1,007
<i>Insanity, Delusional—</i>													
With Epilepsy ...	...	...	...	}	...	...	...	...	...	13	38	51
Without „ ...	13	38	51										
<i>Mania—</i>													
With Epilepsy ...	12	10	22	1	...	1	...	...	...	13	10	23
Without „ ...	...	8	8	...	7	7	...	...	...	...	15	15
Mania, Chronic ...	...	...	...	9	52	61	7	31	38	16	83	99
<i>Melancholia—</i>													
With Epilepsy	}	29	47	76	6	13	19	51	84	135
Without „ ...	16	24	40										
<i>Paresis, General—</i>													
With Epilepsy ...	...	...	...	}	...	...	...	...	...	4	12	16
Without „ ...	4	12	16										
Totals	900	1,092	1,992	943	1,070	2,013	317	531	848	2,160	2,693	4,853	

YEAR.	ADMITTED.					OF EACH YEAR'S ADMISSIONS, DISCHARGED AND DIED IN 1887.											
	New Cases.		Relapsed Cases.		Total.	Recovered.			Relieved.			Not Improved.			Died.		
	Males.	Females.	Males.	Females.		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
LEAVESDEN ASYLUM.																	
Part of }	468	556	...	...	1,024	...	...	...	...	...	...	...	...	...	5	8	13
1870 }	520	545	...	...	1,065	...	...	...	...	...	...	...	...	...	3	10	13
1871	163	256	...	...	419	...	...	...	...	...	...	...	...	...	...	2	2
1872	182	195	...	...	377	...	...	...	...	...	...	1	1	...	6	6	6
1873	116	162	1	...	279	...	...	...	...	...	...	...	...	1	1	2	2
1874	111	108	1	1	221	...	...	...	...	...	...	...	...	4	1	5	5
1875	284	263	...	...	547	...	...	...	...	...	...	...	...	3	8	11	11
1876	96	4	...	...	100	...	...	...	...	...	...	...	...	...	...	...	...
1877	82	1	1	...	84	...	...	...	...	...	...	...	...	2	...	2	2
1878	80	89	...	...	169	...	...	...	...	...	...	1	1	1	2	3	3
1879	92	75	...	...	167	...	...	...	1	1	1	...	1	5	1	6	6
1880	85	71	4	1	161	...	...	...	1	1	1	...	1	2	2	4	4
1881	82	85	3	2	172	...	...	...	...	...	...	...	...	2	4	6	6
1882	75	106	5	1	187	...	...	...	...	...	...	1	...	1	3	8	11
1883	56	96	2	...	154	...	...	...	1	1	...	...	...	5	8	13	13
1884	71	97	2	...	170	...	...	...	1	1	...	...	...	4	11	15	15
1885	62	83	3	3	151	...	...	...	...	...	3	1	4	7	11	18	18
1886	80	92	2	...	174	2	1	3	2	2	4	1	1	2	5	10	15
1887																	
Totals	2,705	2,884	24	8	5,621	2	1	3	6	2	8	7	4	11	52	93	145
CATERHAM ASYLUM.																	
Part of }	156	202	...	...	358	...	...	...	...	...	...	...	...	...	3	3	3
1870 }	664	870	...	...	1,534	...	...	...	...	...	...	...	...	7	10	17	17
1871	259	161	...	...	420	...	...	...	...	...	...	...	...	3	2	5	5
1872	183	167	1	...	351	...	...	...	...	...	...	...	...	1	4	5	5
1873	312	205	2	3	522	...	...	...	...	...	...	...	...	4	1	5	5
1874	158	180	...	...	338	...	...	...	...	...	1	...	1	2	6	8	8
1875	206	337	5	5	553	...	...	...	...	...	...	1	1	3	5	8	8
1876	178	57	2	...	237	...	...	...	...	...	...	...	...	3	...	3	3
1877	174	47	...	...	221	...	...	...	...	...	...	...	...	2	...	2	2
1878	182	84	...	...	266	...	...	...	1	1	...	...	...	6	3	9	9
1879	122	87	2	6	217	...	...	...	...	...	...	...	...	4	1	5	5
1880	122	105	...	...	227	...	1	1	...	...	...	...	...	3	3	6	6
1881	81	85	...	2	168	...	...	...	...	...	...	1	1	2	5	7	7
1882	73	37	3	3	116	...	...	...	...	...	...	...	...	2	2	4	4
1883	98	102	2	1	203	...	...	...	1	1	1	...	1	7	7	14	14
1884	59	48	3	3	113	...	...	...	1	1	...	1	1	6	7	13	13
1885	115	91	3	1	210	7	3	10	5	3	8	...	1	14	10	24	24
1886	103	90	2	1	196	1	1	2	2	2	4	1	1	6	5	11	11
1887																	
Totals	3,245	2,955	25	25	6,250	8	5	13	9	6	15	3	5	8	75	74	149

TOTAL DISCHARGED AND DIED OF EACH YEAR'S ADMISSIONS TO 31ST DECEMBER, 1887.												REMAINING OF EACH YEAR'S ADMISSIONS, 31ST DECEMBER, 1887.		
Recovered.			Relieved.			Not Improved.			Died.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
15	8	23	25	18	43	36	47	83	257	326	583	135	157	292
20	15	35	28	23	51	64	57	121	286	314	600	122	136	258
12	6	18	12	11	23	19	28	47	103	135	238	17	76	93
9	4	13	8	6	14	26	26	52	104	106	210	35	53	88
7	2	9	2	6	8	14	16	30	72	84	156	22	54	76
5	3	8	3	5	8	17	12	29	52	49	101	35	40	75
12	2	14	17	6	23	11	11	22	128	123	251	116	121	237
7	...	7	4	...	4	3	...	3	41	1	42	41	3	44
5	...	5	4	...	4	3	...	3	42	...	42	29	1	30
3	3	6	3	5	8	3	6	9	43	39	82	28	36	64
8	3	11	9	8	17	8	2	10	42	26	68	25	36	61
10	6	16	6	4	10	5	2	7	31	33	64	37	27	64
3	5	8	2	5	7	2	3	5	39	36	75	39	38	77
3	1	4	5	8	13	1	3	4	37	36	73	34	59	93
1	8	9	3	3	6	4	6	10	23	36	59	27	43	70
3	9	12	4	2	6	4	3	7	19	21	40	43	62	105
...	...	...	1	...	1	6	2	8	15	12	27	43	72	115
2	1	3	2	2	4	1	1	2	5	10	15	72	78	150
125	76	201	138	112	250	227	225	452	1,339	1,387	2,726	900	1,092	1,992
4	4	8	7	13	20	8	8	16	77	99	176	60	78	138
47	31	78	50	30	80	66	41	107	396	525	921	105	243	348
24	12	36	24	10	34	25	20	45	152	86	238	34	33	67
19	10	29	19	6	25	24	26	50	95	93	188	27	32	59
18	24	42	30	13	43	36	16	52	177	115	292	53	40	93
13	11	24	10	8	18	9	11	20	100	97	197	26	53	79
2	11	13	21	11	32	5	9	14	121	173	294	62	138	200
...	...	...	14	4	18	4	3	7	113	30	143	49	20	69
5	3	8	11	1	12	4	4	8	90	17	107	64	22	86
6	4	10	9	4	13	10	...	10	100	30	130	57	46	103
7	3	10	11	6	17	7	6	13	64	45	109	35	33	68
3	2	5	6	4	10	8	3	11	50	46	96	55	50	105
9	11	20	5	4	9	2	4	6	27	30	57	38	38	76
11	4	15	4	3	7	3	1	4	35	9	44	23	23	46
6	12	18	8	10	18	3	3	6	32	33	65	51	45	96
2	1	3	...	1	1	1	1	2	26	19	45	33	29	62
11	5	16	5	4	9	1	2	3	25	16	41	76	65	141
1	1	2	2	2	4	1	1	2	6	5	11	95	82	177
188	149	337	236	134	370	217	159	376	1,686	1,468	3,154	943	1,070	2,013

YEAR.	ADMITTED.					OF EACH YEAR'S ADMISSIONS, DISCHARGED AND DIED IN 1887.													
	New Cases.		Relapsed Cases.		Total.	Recovered.			Relieved.			Not Improved.			Died.				
	Males.	Females.	Males.	Females.		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
DARENTH ASYLUM.																			
1880	25	217	...	...	242	...	...	..	2	1	3	...	...	...	...	3	3
1881	28	...	1	29	...	...	...	...	1	1	...	...	...	...	2	2
1882	230	202	...	1	433	...	...	...	4	4	8	...	...	...	9	5	14
1883	113	161	...	...	274	...	...	...	...	3	3	1	...	1	1	7	8
1884	57	67	...	...	124	...	...	...	...	2	2	1	1	2	2	4	6
1885	62	84	...	...	146	...	...	...	3	4	7	1	1	2	...	4	4
1886	65	70	1	1	137	...	...	...	4	5	9	...	3	3	9	5	14
1887	53	104	...	4	161	...	...	...	6	...	6	1	2	3	4	4	8
Totals	605	933	1	7	1,546	...	...	...	19	20	39	4	7	11	25	34	59
SUMMARY.																			
Part of } 1870	624	758	...	...	1,382	...	...	...	...	...	...	...	...	...	5	11	16
1871	1,184	1,415	...	...	2,599	...	...	...	...	...	...	...	...	...	10	20	30
1872	422	417	...	...	839	...	...	...	...	...	...	...	...	...	3	4	7
1873	365	362	1	...	728	...	...	...	...	...	...	1	1	1	10	11	
1874	428	367	3	3	801	...	...	...	...	...	...	...	...	...	5	2	7
1875	269	288	1	1	559	...	...	...	...	...	...	1	...	1	6	7	13
1876	490	600	5	5	1,100	...	...	...	...	...	...	1	1	6	13	19	
1877	274	61	2	...	337	...	...	...	...	...	...	...	...	...	3	...	3
1878	256	48	1	...	305	...	...	...	...	...	...	...	...	...	4	...	4
1879	262	173	...	...	435	...	...	...	1	...	1	...	1	1	7	5	12
1880	239	379	2	6	626	...	...	...	3	1	4	1	...	1	9	5	14
1881	207	204	4	2	417	...	1	1	1	1	2	1	...	1	5	7	12
1882	393	372	3	5	773	...	...	...	4	4	8	...	1	1	13	14	27
1883	261	304	8	4	577	...	...	...	...	3	3	2	...	2	6	17	23
1884	211	265	4	1	481	...	...	...	2	2	4	2	1	3	14	19	33
1885	192	229	5	3	429	...	...	...	4	5	9	1	2	3	10	22	32
1886	242	244	7	5	498	7	3	10	9	8	17	3	5	8	30	26	56
1887	236	286	4	5	531	3	2	5	10	4	14	3	4	7	15	19	34
Grand Totals...	6,555	6,772	50	40	13,417	10	6	16	34	28	62	14	16	30	152	201	353		

TOTAL DISCHARGED AND DIED OF EACH YEAR'S ADMISSIONS TO 31ST DECEMBER, 1887.												REMAINING OF EACH YEAR'S ADMISSIONS, 31ST DECEMBER, 1887.		
Recovered.			Relieved.			Not Improved.			Died.					
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
2	3	5	5	11	16	...	9	9	..	74	74	18	120	138
...	2	2	...	5	5	...	1	1	...	10	10	...	21	21
8	4	12	14	10	24	6	11	17	74	78	152	128	100	228
7	6	13	8	7	15	12	17	29	56	54	110	30	77	107
7	3	10	7	4	11	6	7	13	21	27	48	16	26	42
6	3	9	10	7	17	3	5	8	9	20	29	34	49	83
...	...	...	6	10	16	1	6	7	10	9	19	49	46	95
...	...	...	6	...	6	1	2	3	4	4	8	42	102	144
30	21	51	56	54	110	29	58	87	174	276	450	317	531	848
19	12	31	32	31	63	44	55	99	334	425	759	195	235	430
67	46	113	78	53	131	130	98	228	682	839	1,521	227	379	606
36	18	54	36	21	57	44	48	92	255	221	476	51	109	160
28	14	42	27	12	39	50	52	102	199	199	398	62	85	147
25	26	51	32	19	51	50	32	82	249	199	448	75	94	169
18	14	32	13	13	26	26	23	49	152	146	298	61	93	154
14	13	27	38	17	55	16	20	36	249	296	545	178	259	437
7	...	7	18	4	22	7	3	10	154	31	185	90	23	113
10	3	13	15	1	16	7	4	11	132	17	149	93	23	116
9	7	16	12	9	21	13	6	19	143	69	212	85	82	167
17	9	26	25	25	50	15	17	32	106	145	251	78	189	267
13	10	23	12	13	25	13	6	19	81	89	170	92	98	190
20	20	40	21	19	40	10	18	28	140	144	284	205	176	381
21	11	32	17	18	35	16	21	37	128	99	227	87	159	246
14	23	37	18	17	35	13	16	29	76	96	172	94	114	208
11	13	24	14	10	24	8	9	17	54	60	114	110	140	250
11	5	16	12	14	26	8	10	18	50	37	87	168	183	351
3	2	5	10	4	14	3	4	7	15	19	34	209	262	471
343	246	589	430	300	730	473	442	915	3,199	3,131	6,330	2,160	2,703	4,863

LEAVESDEN										
CAUSES OF DEATH.	17		18		19		20 to 29		30 to 39	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—										
Apoplexy and Paralysis
Epilepsy and Convulsions	1	...	...	1	...	1	...	1	...
General Paresis	1	...	...	1	...	...	...	2	2	...
Maniacal and Melancholic Exhaustion, or Decay
Inflammation and other Diseases of the Brain, Softening, Tumours, &c.	1	...	1	...
THORACIC DISEASE—										
Inflammation of the Lungs, Pleuræ, and Bronchi	1	...	...
Pulmonary Consumption	3	1	5	3
Disease of the Heart, &c.	1	...
ABDOMINAL DISEASE—										
Inflammation and Ulceration of the Stomach, Intestines, or Peritoneum	1
Dysentery and Diarrhœa
Pelvic Abscess
Kidney Disease
Erysipelas
Cancer
Anæmia
General Debility and Old Age...
Accidents
Renal Disease
Totals	1	1	...	1	1	...	5	4	10	4
CATERHAM										
CAUSES OF DEATH.	17		18		19		20 to 29		30 to 39	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—										
Apoplexy and Paralysis
Epilepsy and Convulsions	4	3	2	3
General Paresis	1	...	...	...	...	3	1	5	2
Maniacal and Melancholic Exhaustion, or Decay
Exhaustion of Dementia
Inflammation and other Diseases of the Brain, Softening, Tumours, &c.	1
THORACIC DISEASE—										
Inflammation of the Lungs, Pleuræ, and Bronchi	3	1
Pulmonary Consumption	4	...	3	...
Disease of the Heart, &c.	1	1
ABDOMINAL DISEASE—										
Inflammation and Ulceration of the Stomach, Intestines, or Peritoneum	1	1
Dysentery and Diarrhœa
Pelvic Abscess
Kidney Disease
Bright's Disease	1
Erysipelas
Cancer	1
Ovarian Cyst
Anæmia
Cancer of Penis
General Debility and Old Age...
Accidents
Totals	1	...	...	...	...	11	4	15	11

ASYLUM.																	
40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Ages Unknown.		TOTAL.			
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.	
..	..	2	1	..	..	..	..	..	..	..	..	..	..	2	1	3
..	5	1	2	2	5	..	..	..	..	..	..	..	..	6	13	19
2	1	..	..	..	..	..	..	..	..	..	..	..	..	5	4	9
..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	2	2
3	..	..	9	8	14	..	..	..	..	..	..	..	..	13	23	36
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	2
1	1	2	2	1	2	..	..	..	..	..	..	..	..	12	9	21
1	2	3	6	..	6	..	3	..	..	..	..	..	..	5	17	22
..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	2	2
..	
..	
..	
..	..	..	1	1	1	..	..	..	..	..	..	..	..	1	2	3
..	
..	..	..	..	..	..	5	14	1	3	..	1	..	..	6	18	24
..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
..	..	1	..	..	..	1	..	..	..	..	..	..	..	2	..	2
7	9	9	25	12	28	6	17	1	3	..	1	..	..	52	93	145

ASYLUM.																	
40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Ages Unknown.		TOTAL.			
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.	
..	..	4	..	..	4	..	1	..	..	..	..	..	..	4	5	9
..	3	..	2	..	3	..	1	..	..	..	..	..	1	6	16	22
3	..	1	1	..	..	..	..	..	..	..	..	..	..	12	5	17
..	..	3	1	2	..	..	..	..	..	..	..	..	..	5	1	6
2	..	3	2	7	4	1	..	..	..	..	..	..	..	13	6	19
..	1	1	
..	..	1	..	1	1	..	2	..	..	..	..	..	..	5	4	9
1	..	1	..	1	..	..	..	..	..	..	..	..	..	10	..	10
1	..	1	2	1	4	..	3	..	1	..	..	..	..	4	11	15
..	
..	
..	
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	2	3
..	1	..	..	..	..	..	..	..	..	..	..	..	2	2	
..	1	..	..	..	..	..	..	..	..	..	1	1	
..	1	..	..	..	..	..	..	..	..	..	..
..	1	..	..	..	..	..	..	..	1	..	1	
..	7	10	6	9	..	..	..	..	13	19	32	
..	
7	4	15	9	12	17	9	17	6	10	..	..	..	1	75	74	149

										DARENTH									
CAUSES OF DEATH.										17		18		19		20 to 29		30 to 39	
										Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—																			
Apoplexy and Paralysis																1	...	...	...
Epilepsy and Convulsions ... ..																...	6	...	...
General Paresis ... ..																...	...	2	1
Maniacal and Melancholic Exhaustion, or Decay																...	...	...	...
Inflammation and other Diseases of the Brain, Softening, Tumours, &c.																1	...	1	1
THORACIC DISEASE—																			
Inflammation of the Lungs, Pleuræ, and Bronchi																1	...	1	1
Pulmonary Consumption										1	...	1	...	...	...	2	...	...	...
Disease of the Heart, &c. ... ..																...	...	...	...
ABDOMINAL DISEASE—																			
Inflammation and Ulceration of the Stomach, Intestines, or Peritoneum																1	1	...	...
Dysentery and Diarrhœa ... ..																...	...	...	...
Pelvic Abscess ... ..																...	...	...	...
Chronic Bright's Disease ... ..																...	...	...	...
Cirrhosis of Liver ... ..																...	...	...	...
Erysipelas ... ..																...	...	...	...
Cancer ... ..																...	...	...	...
Anæmia ... ..																...	...	...	...
General Debility and Old Age ... ..																...	...	...	...
Accidents ... ..																...	...	...	...
Totals										1	...	1	...	...	...	6	7	4	3

SUM

										SUM									
CAUSES OF DEATH.										17		18		19		20 to 29		30 to 39	
										Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
CEREBRAL OR SPINAL DISEASES—																			
Apoplexy and Paralysis																1	...	...	...
Epilepsy and Convulsions											1	...	...	1	...	5	9	3	3
General Paresis										1	1	...	1	...	...	3	3	9	3
Maniacal and Melancholic Exhaustion, or Decay																...	...	...	...
Exhaustion of Dementia ... ..																...	...	...	...
Inflammation and other Disease of the Brain, Softening, Tumours, &c.																2	...	2	2
THORACIC DISEASE—																			
Inflammation of the Lungs, Pleuræ, and Bronchi																1	1	4	2
Pulmonary Consumption										1	...	1	...	...	...	9	1	8	3
Disease of the Heart, &c. ... ..																...	...	2	1
ABDOMINAL DISEASE—																			
Inflammation and Ulceration of the Stomach, Intestines, or Peritoneum																1	1	1	2
Bright's Disease ... ..																...	...	...	1
Bright's Disease, Chronic ... ..																...	...	...	...
Cirrhosis of Liver ... ..																...	...	...	...
Renal Disease ... ..																...	...	...	...
Cancer ... ..																...	...	...	1
Ovarian Cyst ... ..																...	...	...	...
Cancer of Penis ... ..																...	...	...	...
General Debility and Old Age ... ..																...	...	...	...
Accidents ... ..																...	...	...	...
Grand Totals										2	2	1	1	1	...	22	15	29	18

ASYLUM.

40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Ages not known.		TOTAL.		
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.
..	2	..	..	..	..	..	..	..	..	..	3	..	3
..	1	..	..	..	..	..	..	..	..	..	1	6	7
..	1	..	..	..	1	..	3	..	..	..	..	..	..	4	6	10
..	1	..	..	..	..	..	..	..	1	1
..	1	..	..	..	..	..	..	2	2	4
..	1	1	..	2	1	2	1	..	..	..	..	..	..	7	4	11
..	1	..	..	..	1	..	..	..	..	4	2	6
..
..	1	..	..	..	..	..	..	..	..	..	2	1	3
..
..	1	..	..	..	..	..	..	..	1	1
..	1	1	..	..	..	..	..	..	..	..	1	1	2
..	2	..	..	..	..	..	..	..	..	..	2	2
..	2	2
..	1	..	2	..	3	..	..	..	..	1	6	7
..	1	..	..	..	1	..	..	..	2	2
2	2	1	..	7	7	3	10	..	4	..	1	..	..	25	34	59

MARY.

40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Ages not known.		TOTAL.		
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	TOTAL.
..	..	6	1	2	4	..	1	..	..	..	..	..	..	9	6	15
..	8	1	4	3	8	..	1	..	..	..	..	..	1	13	35	48
7	2	1	1	..	1	..	3	..	..	..	..	..	..	21	15	36
..	..	3	3	2	..	..	1	..	..	..	..	..	..	5	4	9
2	..	3	2	7	4	1	..	..	..	..	..	..	..	13	6	19
3	..	..	9	8	14	..	1	..	..	..	..	..	..	15	26	41
..	1	2	1	3	2	2	3	..	..	..	..	..	..	12	10	22
2	1	3	2	2	3	..	..	..	1	..	..	..	..	26	11	37
2	2	4	8	1	10	..	6	..	1	..	..	..	..	9	28	37
..	..	..	1	1	..	..	..	..	..	..	..	..	..	3	4	7
..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	2	3
..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1
..	..	..	..	1	1	..	..	..	..	..	..	..	..	1	1	2
..	..	1	..	..	..	1	..	..	..	..	..	..	..	2	..	2
..	..	..	2	1	3	..	..	..	..	..	..	..	..	1	6	7
..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1
..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	1
..	..	..	..	..	1	13	26	7	15	..	1	..	..	20	43	63
..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	2	2
16	15	25	34	31	52	18	44	7	17	..	2	..	1	152	201	353

LENGTH OF RESIDENCE.								LEAVESDEN ASYLUM.					
								RECOVERED.			DIED.		
								Males.	Females.	Total.	Males.	Females.	Total.
Under 1 Month	...	...	...	...	...	...	...	3	1	4
From 1 to 3 Months	...	...	...	...	...	...	...	2	2	4
" 3 to 6	...	...	...	...	...	...	...	3	7	10
" 6 to 9	...	...	...	...	...	...	...	3	4	7
" 9 to 12	...	...	...	...	...	...	...	3	2	5
" 1 to 2 Years	...	...	...	...	...	...	...	12	13	25
" 2 to 3	...	...	...	...	...	...	...	5	10	15
" 3 to 5	...	...	...	...	...	...	...	5	11	16
" 5 to 7	...	...	...	...	...	...	...	6	5	11
" 7 to 10	...	...	...	...	...	...	...	5	2	7
" 10 to 12	...	...	...	...	...	...	...	6	8	14
" 12 to 14	...	...	...	...	...	...	...	12	8	20
" 14 to 16	...	...	...	...	...	...	...	...	4	...
" 16 to 18	...	...	...	...	...	...	...	8	16	24
Total	...	...	...	...	...	...	...	2	1	3
								52	93	145			

LUNACY STATISTICS—TABLES IX.—Showing the Ages of Patients resident in the several Asylums (For previous years)

Years ending December 31st.								Under 16		16		17		18		19		20
								Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
LEAVESDEN ASYLUM.																		
1880	...	...	...	...	...	...	...	8	6	18	8	23	2	25	10	19	21	23
1881	...	...	...	...	...	...	...	10	8	16	10	26	1	31	11	21	23	25
1882	...	...	...	...	...	...	...	12	9	17	11	25	2	32	11	23	25	26
1883	...	...	...	...	...	...	...	15	9	22	14	24	1	33	11	25	26	26
1884	...	...	...	...	...	...	...	17	9	23	16	25	2	33	12	26	26	26
1885	...	...	...	...	...	...	...	19	11	23	19	25	2	36	11	26	26	26
1886	...	...	...	...	...	...	...	19	13	25	19	24	3	37	12	26	26	26
1887	...	...	...	...	...	...	...	20	13	24	22	26	2	38	14	28	28	28
CATERHAM ASYLUM.																		
1880	...	...	...	...	...	...	...	10	8	18	9	16	14	24	12	42	14	20
1881	...	...	...	...	...	...	...	...	1	3	1	16	2	19	6	14	20	18
1882	...	...	...	...	...	...	...	2	2	6	6	8	7	12	1	20	18	20
1883	...	...	...	...	...	...	...	...	4	2	10	5	4	11	9	20	18	20
1884	...	...	...	...	...	...	...	...	2	2	5	5	4	10	12	18	20	20
1885	...	...	...	...	...	...	...	...	4	3	5	5	5	10	12	18	20	20
1886	...	...	...	...	...	...	...	3	5	4	8	6	6	12	13	20	20	24
1887	...	...	...	...	...	...	...	2	2	1	8	7	7	10	12	24	24	24
DARENTH ASYLUM.																		
1880	...	...	...	...	...	...	...	8	12	1	13	6	12	3	12	...	...	...
1881	...	...	...	...	...	...	...	...	9	8	13	1	13	5	11	...	...	...
1882	...	...	...	...	...	...	...	13	15	39	15	30	14	14	17	9	...	...
1883	...	...	...	...	...	...	...	10	12	4	8	19	20	40	23	36	...	...
1884	...	...	...	...	...	...	...	6	...	11	1	22	18	23	15	34	...	...
1885	...	...	...	...	...	...	...	8	4	4	14	19	15	5	3	...	...	...
1886	...	...	...	...	...	...	...	1	1	10	6	5	4	11	2	1	...	...
1887	...	...	...	...	...	...	...	3	1	9	18	9	24	18	17	21	...	...
SUMMARY.																		
1880	...	...	...	...	...	...	...	26	26	37	30	45	28	52	34	61	...	...
1881	...	...	...	...	...	...	...	10	18	27	24	43	16	55	28	35	...	...
1882	...	...	...	...	...	...	...	27	26	62	32	63	23	58	29	52	...	...
1883	...	...	...	...	...	...	...	25	21	30	24	53	26	83	41	79	...	...
1884	...	...	...	...	...	...	...	23	9	36	19	52	24	67	36	80	...	...
1885	...	...	...	...	...	...	...	27	15	31	36	49	22	51	26	44	...	...
1886	...	...	...	...	...	...	...	1	1	29	22	35	28	51	26	46	...	...
1887	...	...	...	...	...	...	...	3	1	31	33	54	27	64	43	73	...	...

CATERHAM ASYLUM.						DARENTH ASYLUM.						SUMMARY.					
RECOVERED.			DIED.			RECOVERED.			DIED.			RECOVERED.			DIED.		
Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
...	...	...	2	...	2	...	...	...	...	...	...	...	...	...	5	1	6
...	...	...	4	3	7	...	...	...	...	1	1	...	...	...	6	6	12
3	1	4	3	4	7	...	...	...	1	2	3	5	1	6	7	13	20
2	1	3	3	...	3	...	...	...	1	...	1	2	1	3	6	4	10
1	1	2	4	3	7	...	...	...	2	1	3	1	1	2	9	6	15
2	1	3	8	10	18	...	...	...	9	5	14	2	1	3	19	28	47
...	...	...	6	5	11	...	...	...	...	4	4	...	1	1	11	19	30
...	...	...	7	8	15	...	...	...	3	11	14	...	...	...	15	30	45
...	1	1	6	7	13	...	...	...	9	7	16	...	1	1	21	19	40
...	...	...	10	4	14	...	...	...	...	3	3	...	...	...	15	9	24
...	...	...	6	7	13	...	...	...	...	...	...	...	...	...	12	15	27
...	...	...	8	10	18	...	...	...	...	...	...	...	...	...	10	18	28
...	...	...	8	13	21	...	...	...	...	...	...	...	...	...	8	17	25
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8	16	24
8	5	13	75	74	149	...	...	...	25	34	59	10	6	16	152	201	353

the 31st December in 1880 and subsequent years, calculated from the ages stated in the Orders of Admission. (see Reports for 1886.)

20 to 29		30 to 39		40 to 49		50 to 59		60 to 69		70 to 79		80 to 89		90 to 99		Ages not known.		TOTALS.		
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Totals.
175	127	186	212	191	231	114	224	85	169	39	65	3	15	1	2	10	18	897	1,099	1,996
175	134	185	216	190	224	110	222	81	159	30	65	1	12	1	2	10	19	887	1,094	1,981
167	136	194	214	197	228	109	215	77	168	28	58	...	9	1	...	11	18	888	1,093	1,981
164	139	191	226	196	235	109	218	81	161	23	38	...	6	1	...	10	18	894	1,090	1,984
169	137	196	231	194	242	107	213	75	164	14	35	...	...	1	...	10	16	890	1,091	1,981
172	139	198	236	200	247	107	214	66	156	11	19	...	...	...	...	8	11	891	1,079	1,970
176	151	202	237	194	259	103	216	66	158	5	6	...	...	...	...	8	10	885	1,100	1,985
185	162	196	250	198	259	102	197	76	142	...	...	...	...	...	...	7	14	900	1,092	1,992
164	151	170	176	169	184	124	200	119	186	76	108	7	20	...	...	...	...	939	1,104	2,043
201	182	189	183	163	187	156	221	121	152	41	94	7	32	3	...	6	12	939	1,082	2,021
186	168	204	180	160	200	133	200	129	178	47	103	9	29	3	1	6	9	925	1,088	2,013
183	164	202	184	167	196	138	190	130	189	44	87	7	29	...	...	...	...	913	1,064	1,977
185	169	205	180	168	201	146	209	135	190	48	81	6	26	...	...	...	3	931	1,078	2,009
175	171	195	175	160	194	140	204	137	183	55	79	7	22	...	...	...	...	906	1,057	1,963
174	169	190	184	165	190	151	216	139	181	60	70	9	17	...	...	...	...	933	1,069	2,002
178	158	186	180	170	192	155	204	142	180	58	73	8	29	2	1	...	6	943	1,070	2,013
7	41	...	24	...	18	...	24	...	26	...	10	...	6	...	...	...	...	25	198	223
10	52	...	23	...	20	...	22	...	22	...	6	...	6	...	1	...	1	24	199	223
32	76	17	49	13	50	24	41	24	42	12	29	5	5	...	1	...	...	232	366	598
64	95	32	70	18	64	33	45	28	58	12	42	7	10	1	1	...	...	304	472	776
69	115	35	68	22	66	36	47	29	59	11	46	9	14	1	2	...	...	308	474	782
140	97	28	70	26	65	20	45	34	55	12	51	5	17	1	1	...	...	302	481	783
166	156	35	67	23	72	17	45	36	56	11	42	2	20	...	2	...	...	312	484	796
116	149	27	56	20	70	23	42	36	58	11	43	3	14	...	1	...	...	317	531	848
346	319	356	412	360	433	238	448	204	381	115	183	10	41	1	2	10	18	1,861	2,401	4,262
386	368	374	422	353	431	266	465	202	333	71	165	8	50	4	3	16	32	1,850	2,375	4,225
385	380	415	443	370	478	266	456	230	388	82	190	14	43	4	2	17	27	2,045	2,547	4,592
411	398	425	480	381	495	280	453	239	408	79	167	14	45	2	1	10	27	2,111	2,626	4,737
423	421	436	479	384	509	289	469	239	413	73	162	15	40	2	2	10	19	2,129	2,643	4,772
487	407	421	481	386	506	267	463	237	394	78	149	12	39	1	1	8	11	2,099	2,617	4,716
516	476	427	483	382	521	271	477	241	395	76	118	11	37	...	2	8	10	2,130	2,653	4,783
479	469	409	486	388	521	280	443	254	380	69	116	11	43	2	2	7	20	2,160	2,693	4,853

LEAVESDEN ASYLUM.															
AGES.				The Admissions.			The Discharges.						The De		
							Recovered.			Removed, Relieved, or otherwise.					
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
From 5 to 10 years		
" 10 to 15	"		
" 15 to 20	"	6	7	13	...	...	...	1	...	1	2	2
" 20 to 30	"	20	19	39	...	1	1	4	3	7	5	4
" 30 to 40	"	9	17	26	...	...	...	5	...	5	10	4
" 40 to 50	"	13	9	22	1	...	1	1	...	1	7	10
" 50 to 60	"	10	7	17	1	...	1	1	2	3	9	23
" 60 to 70	"	21	13	34	...	...	...	...	...	...	11	28
" 70 to 80	"	3	11	14	...	...	...	1	1	2	6	17
" 80 to 90	"	2	2	...	...	...	...	...	...	1	2
" 90 and upwards	1	1	...	...	...	...	...	...	...	1
Ages unknown	6	6	...	...	...	...	...	...	1	2
Totals	82	92	174	2	1	3	13	6	19	52	93

DARENTH ASYLUM.															
AGES.				The Admissions.			The Discharges.						The De		
							Recovered.			Removed, Relieved, or otherwise.					
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	
From 5 to 10 years		
" 10 to 15	"	2	...	2	...	...	...	...	...	...
" 15 to 20	"	17	42	59	...	...	...	6	...	6	2	...
" 20 to 30	"	9	36	45	...	...	...	6	11	17	6	7
" 30 to 40	"	6	4	10	...	...	...	5	8	13	3	3
" 40 to 50	"	5	5	...	...	...	...	2	2	2	2
" 50 to 60	"	6	4	10	...	...	...	4	...	4	2	...
" 60 to 70	"	9	8	17	...	...	...	2	4	6	7	7
" 70 to 80	"	3	7	10	...	...	...	...	2	2	3	10
" 80 to 90	"	1	2	3	...	...	...	...	...	...	...	4
" 90 and upwards	1
Ages unknown
Totals	53	108	161	...	...	...	23	27	50	25	34

CATERHAM ASYLUM.

AGES.	The Admissions.			The Discharges.						The Deaths.					
	Males.	Females.	Total.	Recovered.			Removed, Relieved, or otherwise.			Males.	Females.	Totals.			
				Males.	Females.	Total.	Males.	Females.	Total.						
From 5 to 10 years	
" 10 to 15 "	
" 15 to 20 "	7	10	17	1	...	1	2	...	2	...	1	1
" 20 to 30 "	21	20	41	...	1	1	4	2	6	10	4	14
" 30 to 40 "	23	15	38	4	1	5	3	2	5	14	11	25
" 40 to 50 "	15	12	27	...	1	1	2	4	6	8	4	12
" 50 to 60 "	12	14	26	3	1	4	...	1	1	16	10	26
" 60 to 70 "	20	13	33	...	1	1	1	1	2	13	16	29
" 70 to 80 "	7	4	11	...	...	...	...	...	...	10	18	28
" 80 to 90 "	4	10	14
" 90 and upwards
Ages unknown	3	3	...	...	...	...	1	1	...	...	...
Totals	105	91	196	8	5	13	12	11	23	75	74	149

SUMMARY.

AGES.	The Admissions.			The Discharges.						The Deaths.					
	Males.	Females.	Total.	Recovered.			Removed, Relieved, or otherwise.			Males.	Females.	Total.			
				Males.	Females.	Total.	Males.	Females.	Total.						
From 5 to 10 years	
" 10 to 15 "	2	...	2	...	...	...	...	...	...	...	...
" 15 to 20 "	30	59	89	1	...	1	9	...	9	4	3	7
" 20 to 30 "	50	75	125	...	2	2	14	16	30	21	15	36
" 30 to 40 "	38	36	74	4	1	5	13	10	23	27	18	45
" 40 to 50 "	28	26	54	1	1	2	3	6	9	17	16	33
" 50 to 60 "	28	25	53	4	1	5	5	3	8	27	33	60
" 60 to 70 "	50	34	84	...	1	1	3	5	8	31	51	82
" 70 to 80 "	13	22	35	...	...	...	1	3	4	19	45	64
" 80 to 90 "	1	4	5	..	...	...	..	...	...	5	16	21
" 90 and upwards	1	1	..	...	...	...	...	...	...	2	2
Ages unknown	9	9	...	..	...	...	1	1	1	2	3
Grand Totals	240	291	531	10	6	16	48	44	92	152	201	353

DEPARTMENTS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY. MALES.
MALES.				
Blocks	72	134	50	256
Centre and Hall	9	7	3	19
Coaling	8	7	5	20
Stores	1	5	4	10
Kitchen	17	14	...	31
Bakehouse	4	2	3	9
Mess Room	2	5	1	8
Tailor's Shop	9	7	16	32
Shoemaker's Shop	8	9	12	29
Upholsterer's Shop	23	23	12	58
Painter's Shop	3	2	...	5
Grounds	67	52	60	179
Laundry	18	18	...	36
Gas House	4	3	...	7
Engine House	3	2	2	7
Attending to Earth Closets ... ..	...	4	...	4
Lunches ... ..	...	3	...	3
Steward's Residence ... ..	...	1	...	1
The Lodge .. ...	...	1	...	1
Carpenters	2	...	4	6
Bricklayer ... ..	..	...	1	1
Total	250	299	173	722

DEPARTMENTS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY. FEMALES,
FEMALES.				
Laundry	50	57	20	127
Work Room	136	24	15	175
Helpers in Blocks	128	165	120	413
Needlework in Blocks ... ..	...	64	50	114
Centre	6	7	2	15
Mess Room	5	6	2	13
Kitchen ... ..	...	3	4	7
Medical Superintendent's Residence	...	2	1	3
Steward's Residence ... ..	...	1	...	1
Matron's Residence	1	2	1	4
Engineer's Residence ... ..	...	1	...	1
Schools ... ..	...	...	40	40
Total	326	332	255	913

OCCUPATIONS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY.
				MALES.
MALES.				
Baker	1	...	...	1
Blacksmiths... ..	1	2	1	4
Bookbinder ... ..	...	1	...	1
Bricklayers	2	1	...	3
Brushmaker	1	...	...	1
Builder	1	...	...	1
Butchers ... ..	...	1	1	2
Butler ... ..	...	...	1	1
Cabdrivers	1	1	...	2
Carmen	1	...	1	2
Carpenters	1	3	4	8
Cellarman	1	...	...	1
Chairmaker ... ..	...	1	...	1
Cigar Maker	1	...	...	1
Clerks	4	4	...	8
Coachman	1	...	...	1
Coachpainter ... ..	...	1	...	1
Compositor ... ..	...	1	...	1
Cook ... ..	...	1	...	1
Coppersmith ... ..	...	1	...	1
Corn Merchant	1	...	...	1
Draper's Assistant	1	...	...	1
Engineer	1	...	...	1
Fireman ... ..	...	1	...	1
Fitter	1	...	...	1
French Polishers	2	...	...	2
Gardener	1	...	...	1
Hatter ... ..	...	1	...	1
Hawkers	1	1	...	2
Horsekeepers	1	1	...	2
Iron-moulder ... ..	...	1	...	1
Ivory Worker ... ..	...	1	...	1
Labourers	12	17	7	36
Land Agent ... ..	...	1	...	1
Law Writers ... ..	...	2	...	2
Masons, Stone ... ..	...	...	2	2
Miner ... ..	...	1	...	1
No occupation	23	30	*25	78
Painters	1	2	2	5
Plasterers ... ..	...	2	...	2
Plumber	1	...	...	1
Police-constable	1	...	...	1
Porters	3	4	...	7
Potmen	1	2	...	3
Printer ... ..	...	...	1	1
Printer's Reader ... ..	...	...	1	1
Publican ... ..	...	1	...	1
Rulemaker ... ..	...	1	...	1
Sailors ... ..	...	3	2	5
Schoolmaster ... ..	...	1	...	1
Shoeblocks	1	1	...	2
Shoemakers	3	4	...	7
Splint Cutter ... ..	...	1	...	1
Surgeon	1	...	...	1
Surveyor	1	...	...	1
Tailors	3	1	3	7
Tinplate Worker ... ..	...	1	...	1
Tobacconist ... ..	...	1	...	1
Traveller	1	...	...	1
Umbrella Maker	1	...	...	1
Upholsterers ... ..	...	2	...	2
Veterinary Surgeon ... ..	...	1	...	1
Warehousemen ... ..	...	1	...	1
Weavers	2	...	...	2
Wheelwrights	1	...	...	1
Wireworker ... ..	...	...	1	1
Wood Engraver ... ..	...	1	...	1
Wood Sawyers	1	...	1	2
Total	82	105	53	240

* Including 12 patients transferred from the Darenth Schools.

OCCUPATIONS.	LEAVESDEN ASYLUM.	CATERHAM ASYLUM.	DARENTH ASYLUM.	SUMMARY. FEMALES.
FEMALES.				
Barmaid	1	...	...	1
Blacking-maker ... ..	...	1	...	1
Charwomen	1	6	8	15
Cook ... ..	...	1	1	2
Dressmakers	4	...	...	4
Dust-sifter	1	...	...	1
Envelope-folder	1	...	...	1
Fur-sewer ... ..	...	1	...	1
Goldbeater ... ..	...	1	...	1
Hawker	1	...	...	1
Housekeeper	1	...	...	1
Laundresses	4	2	1	7
Machinists	1	2	...	3
Nurses	1	1	1	3
Needlewomen	2	7	2	11
No occupation	59	54	*90	203
Ostrich Feather Curler ... ..	...	1	...	1
Prostitution... ..	...	...	1	1
Servants	14	12	3	29
Toy Dealer ... ..	...	1	...	1
Weaver	1	..	...	1
„ Velvet ... ..	...	1	...	1
Woodchopper ... ..	...	...	1	1
Total	92	91	108	291

* Including 69 patients transferred from the Darenth Schools.

LUNACY STATISTICS—DARENTH SCHOOLS.

TABLE I.—*Showing the Admissions, Re-admissions, Discharges, and Deaths during the Year 1887.*

	Males.	Females.	Total.
In the Schools, 1st January, 1887	381	246	627
	Males.	Females.	Total.
Admitted for the first time during the Year	83	61	144
Re-admitted during the Year	1	1	2
	84	62	146
Total under care during the Year	465	308	773
	Males.	Females.	Total.
Discharged or Removed—			
Recovered	...	8	8
Relieved	22	68	90*
Not Improved	4	6	10
Died	17	14	31
Total discharged (for various reasons) and died during the Year	43	96	139
Remaining in the Schools, 31st December, 1887	422	212	634
Average numbers resident during the Year	404·10	245·35	649·45
Highest number resident on any one day	425	269	694
Lowest number resident on any one day	381	204	622

TABLE II.—*Showing the Admissions, Re-admissions, and Discharges, from the opening of the Schools to the present date, 31st December, 1887.*

	Males.	Females.	Total.
Admitted during the period of 13 years	1,030	710	1,740
Re-admissions	15	14	29
Total of Cases Admitted	1,045	724	1,769
	Males.	Females.	Total.
Discharged or Removed —			
Recovered	17	24	41
Relieved	171	162	333
Not Improved	196	150	346
Died	239	176	415
Total Discharged and Died during the 13 years	623	512	1,135
Remaining 31st December, 1887	422	212	634
Average numbers resident during the 13 years	279·5	194·8	474·4

* Including 12 males and 69 females transferred to the Darenth Asylum.

TABLE III.—Showing the Admissions, Discharges, and Deaths; with the Mean Annual Mortality and proportion of Recoveries per cent. of the Admissions for each year since the opening of the Schools.

Year.	Admitted.			Discharged.						Died.			Remaining 31st December in each year.			Average Numbers Resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers Resident.			
	Males.	Females.	Total.	Recovered.	Relieved.		Not Improved.		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.		
1875 ...	213	164	377	...	2	1	3	30	20	50	13	11	24	168	132	300	137.6	125.1	262.7	...	...	...	9.44	8.79	9.13
1876 ...	76	44	120	...	2	...	2	25	18	43	23	21	44	194	137	331	182.9	136.9	319.8	...	...	...	12.5	13.3	13.7
1877 ...	32	24	56	...	2	4	6	4	9	13	10	5	15	206	144	350	201.1	140.5	341.6	6.25	4.16	5.35	4.97	3.55	4.39
1878 ...	53	20	73	...	4	4	6	39	7	46	18	10	28	196	143	339	203.6	144.1	347.7	3.77	10.0	5.47	8.84	6.93	8.05
1879 ...	90	65	155	...	3	3	4	12	...	12	15	15	30	254	189	443	238.7	176.4	415.1	2.22	4.61	3.22	6.29	8.50	7.22
1880 ...	77	66	143	...	2	4	36	10	45	55	11	16	27	285	179	464	266.6	201.0	467.6	2.59	3.30	2.79	4.12	7.96	5.66
1881 ...	67	49	116	...	2	7	22	1	3	4	22	17	39	320	191	511	297.5	192.0	489.5	2.98	4.80	3.44	7.42	8.85	7.96
1882 ...	88	57	145	...	2	46	63	41	14	55	23	17	40	298	198	496	310.2	199.7	509.9	...	3.50	1.38	7.41	8.51	7.84
1883 ...	88	83	171	...	1	7	14	10	11	21	25	16	41	343	247	590	316.0	226.7	542.7	1.13	...	0.58	7.91	7.05	7.55
1884 ...	62	28	90	...	2	6	9	8	2	10	19	17	36	370	252	622	361.6	253.4	615.0	3.22	3.92	3.33	5.25	6.70	5.85
1885 ...	49	28	77	...	3	23	45	9	13	22	28	10	38	357	233	590	356.6	248.8	605.4	6.12	3.57	5.19	7.85	4.01	6.27
1886 ...	66	34	100	...	1	23	33	3	2	5	15	7	22	381	246	627	358.0	243.2	601.2	1.51	5.88	3.00	4.19	2.87	3.65
1887 ...	84	62	146	...	8	22	90	4	6	10	17	14	31	422	212	634	404.1	245.3	649.4	...	12.90	5.47	4.20	5.70	4.77
Totals ...	1,045	724	1,769	17	24	41	171	162	333	196	150	346	239	176	415	279.5	194.8	474.4							

TABLE IV.—*Showing the probable causes of the Mental Condition of the Patients admitted during the Year 1887.*

CAUSES.	Males.	Females.	Total.
I. CONGENITAL—			
Fright of mother during pregnancy	11	6	17
Anxiety and worry of mother during pregnancy	6	7	13
Anxiety and worry of mother during pregnancy, and tedious labour ... ..	...	2	2
Tedious or difficult labour	6	2	8
Serious illness of mother... ..	1	...	1
Premature labour and fright of mother ... ..	...	1	1
Injury to mother	1	1	2
Excessive intemperance of parents	1	2	3
Unknown	12	7	19
II. ACQUIRED—			
Epilepsy	7	1	8
Convulsions	3	8	11
Severe injury to patient	7	7	14
Serious illness of patient... ..	4	1	5
Illtreatment of patient	1	...	1
Fright of patient	2	1	3
Not ascertained	22	16	38
Totals	84	62	146

In 17 cases there was a history of Intemperance in the parents.

In 28 cases there was a history of Insanity in the parents or near relatives.

In 24 cases there was a history of Consumption in the family

In 8 cases the parents were First Cousins.

In 2 cases the patients were the offspring of Incestuous Connections.

TABLE V.—Showing the History of the Annual Admissions since the opening of the Schools, with the Discharges and Deaths, and the numbers remaining on the 31st December of each year, and of the year reported on.

Year.	Admitted.			Of each Year's Admissions, Discharged, and Died, in 1887.						Total Discharged and Died of each Year's Admissions to 31st December, 1887.						Remaining of each Year's Admissions, 31st December 1887.																
	New Cases.		Relapsed Cases.	Recovered.		Relieved.		Not Improved.		Died.		Recovered.		Relieved.		Not Improved.		Died.		Males.	Females.	Total.										
	Males.	Females.		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.				Females.	Total.								
1874	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1875	213	164	...	377	...	...	...	2	...	...	23	23	...	...	...	...	...	...	...	58	43	101	13	4	17			
1876	76	44	...	120	...	...	...	...	...	...	2	4	...	...	...	...	...	...	...	21	15	36	9	1	10			
1877	32	24	...	56	...	...	...	1	...	...	2	2	...	...	...	...	...	...	...	8	8	18	8	1	9			
1878	53	18	...	73	...	...	...	...	...	...	2	2	...	...	...	...	...	...	...	11	7	18	11	3	14	16	2	18
1879	89	64	1	155	...	...	...	1	...	...	7	8	...	...	...	...	...	...	...	12	8	20	27	23	50	11	41	
1880	77	65	...	143	...	...	...	1	...	...	6	7	...	...	...	...	...	...	...	4	14	19	25	21	46	26	13	39
1881	66	48	1	116	...	...	...	...	...	...	6	6	...	...	...	...	...	...	...	8	6	12	18	17	35	27	8	35
1882	88	56	...	145	...	...	...	1	...	...	5	10	...	...	...	...	...	...	...	5	11	16	24	12	36	40	18	58
1883	87	81	1	171	...	...	...	1	...	...	4	8	...	...	...	...	...	...	...	3	17	20	18	19	37	46	35	81
1884	58	26	4	90	...	...	...	...	...	...	3	5	...	...	...	...	...	...	...	2	9	11	4	13	18	35	14	49
1885	46	27	3	77	...	...	...	...	...	...	2	3	...	...	...	...	...	...	...	1	1	2	6	3	9	40	22	62
1886	62	32	4	100	...	...	...	...	...	...	4	7	...	...	...	...	...	...	...	2	4	6	3	5	8	53	26	79
1887	83	61	1	146	1	1	1	1	2	1	1	2	7	79	57	136			
Totals ...	1,030	710	15	1,769	8	22	68	90	4	6	10	17	14	31	17	24	41	171	162	333	196	150	346	239	176	415	422	212	634

Summary of the Total Admissions.			
	Males.	Females.	Both sexes.
Percentage of cases Recovered	1.62	3.31	2.31
" Relieved ...	16.36	22.37	18.82
" Not Improved ...	18.75	20.71	19.55
" Dead ...	22.87	24.90	23.45
" Remaining	40.38	29.28	35.83

TABLE VI.—Showing the Causes of Death during the year 1887, together with the Ages of the Decedents.

CAUSES OF DEATH.	5 to 10.		10 to 15.		15 to 20.		TOTAL.		
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Total.
CEREBRAL OR SPINAL DISEASES—									
Epilepsy and Convulsions	1	3	3	...	2	1	6	4	10
Spinal Disease ... ..	...	1	1	...	...	...	1	1	2
Inflammation of the Brain ... ..	...	...	1	...	...	...	1	...	1
THORACIC DISEASE—									
Inflammation of the Lungs, Pluræ, and Bronchi ...	...	1	2	4	...	1	2	6	8
Pulmonary Consumption ... ..	...	...	1	2	1	1	2	3	5
Laryngitis ... ..	...	...	...	...	1	...	1	...	1
ABDOMINAL DISEASE—									
Marasmus	1	...	2	...	1	...	4	...	4
Totals	2	5	10	6	5	3	17	14	31

TABLE VII.—Showing the length of Residence in those Discharged Recovered, and in those who have Died during the year.

LENGTH OF RESIDENCE.	RECOVERED.			DIED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Under 1 Month...	1	1	2
From 1 to 3 Months	1	1	2
„ 3 „ 6 „	1	1
„ 6 „ 9 „	2	1	3
„ 9 „ 12 „	1	...	1
„ 1 „ 2 Years	1	1	4	3	7
„ 2 „ 3 „	1	1	2
„ 3 „ 5 „	3	3	3	3	6
„ 5 „ 7 „	3	3	1	1	2
„ 7 „ 10 „	1	1	2	2	4
„ 10 „ 12 „	1	...	1
	...	8	8	17	14	31

TABLE IX.—*Shewing the Ages of the Admissions, Discharges, & Deaths during the Year*

AGES.	THE ADMISSIONS.			THE DISCHARGES.						THE DEATHS.		
	Males.	Females.	Total.	RECOVERED.			REMOVED, RELIEVED, OR OTHERWISE.			Males.	Females.	Total.
				Males.	Females.	Total.	Males.	Females.	Total.			
From 5 to 10 years ...	33	25	58	...	...	...	1	3	4	2	5	7
„ 10 „ 15 „ ...	46	30	76	...	2	2	8	...	8	10	6	16
„ 15 „ 20 „ ...	5	7	12	...	6	6	17	40	57	5	3	...
„ 20 „ 30 „ ...	...	...	...	...	...	...	...	26	26	...	...	...
„ 30 „ 40 „ ...	...	...	...	...	...	...	...	1	1	...	...	...
„ 40 „ 50 „ ...	...	...	...	...	...	...	...	2	2	...	...	...
„ 50 „ 60 „ ...	...	...	...	...	...	...	...	1	1	...	...	...
„ 60 „ 70 „ ...	...	...	...	...	...	...	...	1	1	...	...	...
Total ...	84	62	146	...	8	8	26	74	100	17	14	31

TABLE X.—*Showing the Departments where Patients were employed on the 31st December, 1887.*

MALES.		FEMALES.	
Departments.	Numbers Employed.	Departments.	Numbers Employed.
Blocks ...	65*	Work Room ...	2
Coaling ...	3	Helpers in Blocks ...	20
Tailor's Shop ...	27	Centre ...	1
Shoemaker's Shop ...	28		
Total ...	123	Total ...	23

* Inclusive of those employed in the Tailors and Shoemaker's Shops.

TABLE XI.—*Showing the occupations of Patients in the Tailors and Shoemaker's Shop.*

OCCUPATIONS OF BOYS.	NUMBERS EMPLOYED IN EACH GRADE, WITH THE QUALITY OF WORK.			
	Indifferent.	Good.	Fair.	Excellent.
I. TAILORS—				
1. Preliminary Work ...	6	1	...	...
2. Sewing Seams and Linings ...	3	...	...	...
3. Felling ...	...	1	2	...
4. Buttonholing ...	...	...	3	...
5. Repairing ...	4	3	2	...
6. Machining ...	...	...	2	...
II. SHOEMAKERS—				
1. Preliminary Work ...	2	3	...	4
2. Closing Uppers ...	...	4	...	2
3. Repairing ...	...	2	2	3
4. Finishing ...	...	...	2	2
5. Riveting ...	...	...	...	2

27 Tailors and 28 Shoemakers.

Years ending December 31st.	1875		1876		1877		1878		1879		1880		1881		1882		1883		1884		1885		1886		1887		Total.		
	4 to 6.		6 to 8.		8 to 10.		10 to 12.		12 to 14.		14 to 16.		16.		17.		18.		19.		20.		Males.		Females.				
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.			
1875	13	7	21	11	33	22	39	27	34	28	51	28	14	8	7	7	1	3	...	...	...	...	23	213	164	377	
1876	7	1	10	9	13	8	18	1	9	6	13	11	4	2	...	...	...	...	...	...	...	...	4	76	44	120	
1877	4	2	3	2	7	5	7	5	5	1	5	8	1	...	...	...	...	...	...	...	...	...	...	32	24	56	
1878	5	1	12	3	5	2	12	3	13	7	5	4	1	...	...	...	...	...	...	...	...	...	...	53	20	73	
1879	10	6	18	9	13	7	12	13	13	10	18	14	...	1	1	...	...	...	...	...	...	...	...	90	65	155	
1880	10	7	16	7	12	11	8	7	14	10	13	17	...	2	1	2	...	...	...	...	...	...	1	77	66	143	
1881	8	2	11	10	12	10	9	8	11	6	13	10	...	...	...	...	...	...	...	...	...	...	...	67	49	116	
1882	5	7	16	7	17	6	17	11	10	8	19	12	1	1	2	...	...	...	...	...	...	...	...	88	57	145	
1883	9	12	16	10	14	10	10	19	16	17	19	13	...	...	...	...	...	...	...	...	...	...	...	88	88	171	
1884	13	5	14	2	11	7	12	2	5	4	6	5	1	...	...	...	...	...	...	...	...	...	...	62	28	90	
1885	7	2	5	7	10	3	10	6	10	6	6	1	...	...	...	...	...	...	...	...	...	...	...	49	28	77	
1886	7	1	16	7	9	7	12	7	10	6	12	6	...	...	...	...	...	...	...	...	...	...	...	66	34	100	
1887	8	8	17	5	8	12	20	12	17	15	12	10	2	...	...	...	...	...	...	...	...	...	...	84	62	146	
18	20	22	106	61	175	89	164	110	186	121	167	124	192	139	24	14	10	12	1	3	29	1,045	724	1,769

