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Manchester and Salford Sanitary Association.

### **Publication/Creation**

1878

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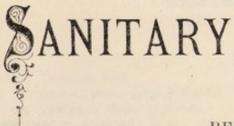
# ANNUAL REPORT

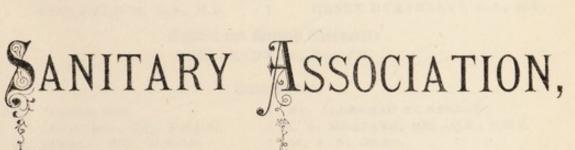
#### OF THE

# COMMITTEE

OF THE

## MANCHESTER AND SALFORD





BEING

Summary of their Proceedings for the Year 1878.

-0-

MANCHESTER: POWLSON & SONS, PRINTERS, 14, SOUTH KING STREET. 1879.

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## MANCHESTER AND SALFORD SANITARY ASSOCIATION.

#### Committee and Officers for the Year 1879.

President :

The Right Rev. The LORD BISHOP OF MANCHESTER.

#### Dice=Pesidents :

The Worshipful the MAYOR of MANCHESTER. The Worshipful the MAYOR of SALFORD. The Very Rev. the DEAN of MANCHESTER. MARQUIS of HARTINGTON. Hon. ALGERNON EGERTON, M.P. Sir THOMAS BAZLEY, Bart., M.P. JOHN CHEETHAM, Esq. A. H. HEYWOOD, Esq. Sir JOSEPH WHITWORTH, Bart.

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OLIVER HEYWOOD, Esq.

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Deputy=Chairman : ARTHUR RANSOME, M.A., M.D.

Honorary Secretaries : JOHN HADDON, M.A., M.D. | HENRY HUMPHREYS, M.A., M.D.

> Auditor and Deputy Treasurer: JOHN CHADWICK, Esq., J.P.

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#### Secretary.

Mr. FRED. SCOTT.

Office :- 100, King Street, Manchester.

## SUB-COMMITTEES.

COTTAGE DWELLINGS.

Rev. St. VINCENT BEECHY. Dr. HARDIE. ,, HADDON.

" HUMPHREYS

J. NEWTON, Esq. A. G. Mc.BEATH, Esq. Dr. RANSOME. T. WORTHINGTON, Esq.

WEEKLY RETURNS SUB-COMMITTEE. Dr. RANSOME. Dr. HADDON. Dr. SAMELSON.

Communications for the Committee may be addressed to-

Dr. NOBLE, Chairman, Ardwick Green. Dr. RANSOME, Deputy Chairman, 1, St. Peter's Square. OLIVER HEYWOOD, Esq., Treasurer, St. Ann's Street.

Dr. HADDON, Honorary Secretary, 8, St. Ann's Place.

Dr. HUMPHREYS, ,, 106, Eccles Old Road, Eccles.

OE TO

Mr. FREDK. SCOTT, Secretary, 100, King Street.

SANITARY INSPECTION DEPARTMENT.

COMMITTEE.

Mr. J. B. Mc.KERROW. Dr. SIMPSON. Dr. HADDON. ,, HUMPHREYS.

ENGINEERS.

Mr. JOSEPH CORBETT.

Mr. FRED. C. LYNDE.

All Communications to be addressed to Mr. FRED. SCOTT, Secretary, 100, King Street. AT the ANNUAL MEETING of the Manchester and Salford Sanitary Association, held at the Offices, 100, King Street, on Friday, July 25th, 1879,

#### DANIEL NOBLE, M.A., M.D., F.R.C.P., in the Chair.

The Annual Report having been read by the Secretary,

It was moved by Dr. NOBLE ; seconded by Rev. St. V. BEECHY, M.A., and

Resolved—"That this Meeting cordially approving the proceedings of the Committee as set forth in their Report, request that the said Report may be printed and extensively circulated."

Moved by Dr. RANSOME; seconded by Mr. S. L. HBLM, and

Resolved—"That the Sanitary Inspection Department of this Association is worthy of the support of the public and that it is desirable that the advantages offered by this department should be more widely known and be more frequently made use of.

Moved by Mr. THOMAS MELLOR; seconded by Mr. T. C. HORSFALL, and

Resolved—"That the efforts of the Committee to improve the dwellings of the poor and to spread amongst the community a knowledge of and a respect for the laws of health; the measures they have taken to warn and protect the public against infectious disease and their endeavours generally to promote the cause of Sanitary Reform deserve the encouragement and pecuniary support of the meeting and of the public.

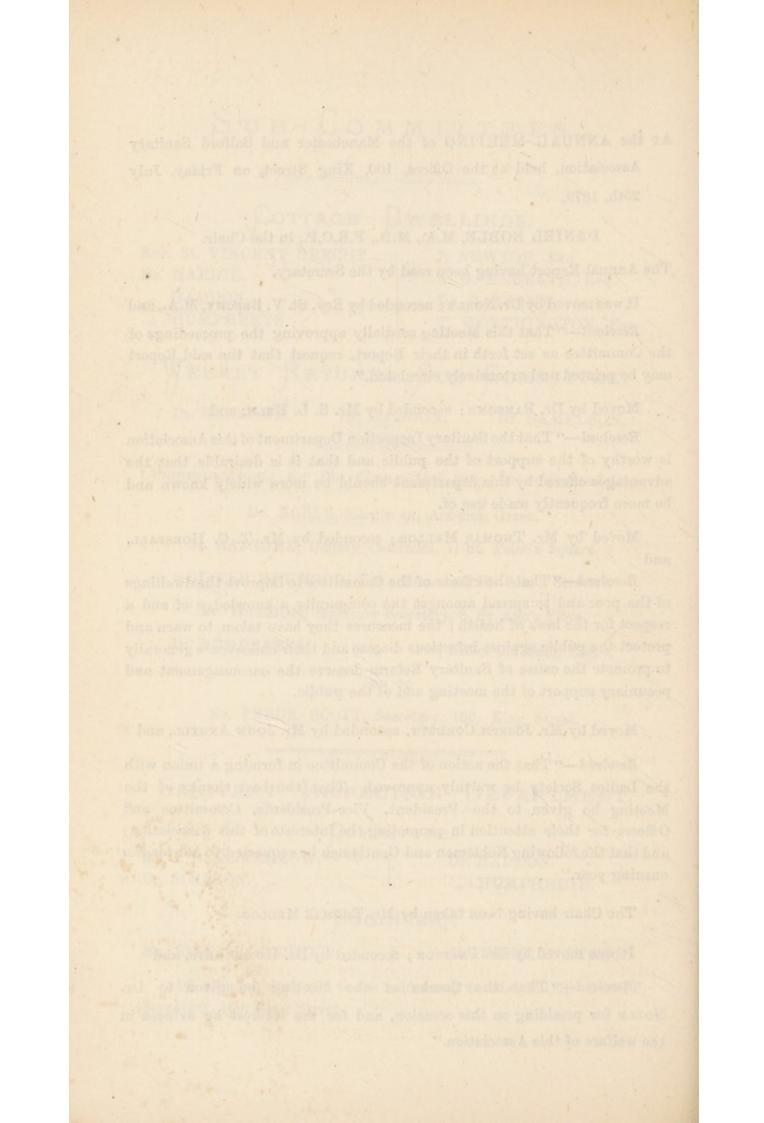
Moved by Mr. JOSEPH CORBETT, seconded by Mr. JOHN ANGELL, and

Resolved—"That the action of the Committee in forming a union with the Ladies Society be warmly approved. That the best thanks of the Meeting be given to the President, Vice-Presidents, Committee and Officers for their attention in promoting the interests of this Association; and that the following Noblemen and Gentlemen be requested to act for the ensuing year."

The Chair having been taken by Mr. THOMAS MELLOR.

It was moved by Dr. PEATSON; seconded by Dr. HUMPHREYS, and

Resolved—" That the thanks of the Meeting be given to Dr. . NOBLE for presiding on this occasion, and for the interest he evinces in the welfare of this Association."



# REPORT.

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SANITARY INSPECTION OF HOUSES.

The first matter which engaged the attention of the Committee, in the year 1878, was the consideration of a plan which had been adopted in Edinburgh, for the sanitary inspection of dwelling houses and other premises by skilled engineers.

The increased interest taken of late years by the public in sanitary matters, the importance attached to sanitary reform by the Legislature as the natural outcome of educated public opinion, and the repeated occurrence of disease amongst distinguished personages resulting from defective drainage, &c., have all tended to give a great impetus to practical measures for the prevention of disease and raising the standard of public health.

Amongst such measures the plan for house inspection at once commended itself to the Committee as a most effectual way of striking at the root of numberless sanitary evils. These evils have for a quarter of a century been the general text upon which the Association has preached to the public through its lecturers and various publications; but when all that the Association could do was accomplished, there still remained much to be done. Thus it is well known that constant contact with bad smells—the natural warnings of danger—blunts the sense of smell to their perception, and even where persons are not conscious of bad smells, blood poisoning may be insidiously going on, without any appreciable indication of its causes. These can be discovered by the skilled engineer or architect alone. Hitherto the high fees involved in employing such professional skill precluded all except the wealthy from *ensuring* the healthiness of their houses.

It was demonstrated in Edinburgh, however, last year that by organizing inspection on a large scale, the advantages of the best available skill might be placed within the reach of all; and the Committee of this Association were not slow to avail themselves of the experience of the Edinburgh Sanitary Protection Association, and supply to the community here, a great boon.

Accordingly after numerous meetings, during which rules, &c., were carefully discussed and adopted, two sanitary engineers (Messrs. Joseph Corbett and Fred. C. Lynde) were selected from a number of applicants, and appointed engineers to the Association. The experience of those gentlemen since they commenced their work, coincides fully with that of the officers of the Edinburgh Association, and more than realizes the worst suspicions of the Committee, viz., that unhealthy conditions prevail in all classes of houses in this district, not merely to an unsuspected but to a startling extent.

The Committee earnestly appeal to the subscribers, as persons specially interested in sanitary improvements, to co-operate with them in extending the usefulness of the new department, by availing themselves (and inviting their friends also) of the services of the Association's engineers.

THE ARTIZANS' DWELLINGS ACT FOR MANCHESTER.

In the last year's report was given a copy of a Memorial to the City Council on this subject. This drew from the Health Committee an elaborate report to the Council on the inapplicability of the Artizans' Dwellings Act to Manchester—a report which reflected great credit upon the Medical Officer of Health (Mr. Leigh), but which did not convince the Committee of this Association. The Committee accordingly addressed the following letter to the Council commenting upon the Health Committee's report.

## 100, King Street,

Manchester, November 16th, 1878.

SIR,

The Committee of the Manchester and Salford Sanitary Association having had under consideration the report of the Health Committee of July 10th, 1878, on the application to this City of the Artizans and Labourers' Dwellings Improvement Act, 1875, are glad to observe that their Memorial of the 5th April, 1876, has given rise to so careful an investigation into the subject; and although the decision of your Committee is adverse to the prayer of our Memorial, and though we do not concur in some of their deductions, yet we cannot regret that it has been the occasion of calling forth the able report of your Medical Officer of Health.

We are willing to accept the decision of your Committee

that the application of Mr. Cross' Act is not necessary on the understanding that the City Council already possess sufficient powers for the effective improvement of the town; and, on the other hand, the terms in which the Health Officer speaks of the unhealthy condition of the houses of the "intermediate zone," amply justify our appeal for their conversion by some effectual method into dwellings "fit for human habitation."

His description of this portion of the town proves that we have not overstated the urgency of the need that there is for its thorough re-arrangement if not reconstruction. He shows that "it is within these lines, outside the commercial pale and within the newly erected property, that the worst dwellings in the City are to be found—narrow streets, confined courts and dilapidated houses"—(page 11); also that "there are districts within the ring described that can never be brought up to the condition of those outside the ring, that the streets are narrow, the courts numerous, small and illventilated, the houses generally old, out of repair, and saturated with human exhalations" (page 17).

No further argument than this perfectly just description of the district should be needed, in order to induce the immediate action of the Council for its amelioration, but as this is not the deduction arrived at in the report, we would urge :—

1. That the "zone" in question is about 600 acres in extent.

2. That within its precincts nearly one third of the population reside ; and

3. That notwithstanding all the attempts hitherto made by the local authorities to improve this district, the death-rate in many of the sub-districts averages above 30 in the 1000.

A large part of this excessive mortality is undoubtedly due to the unhealthy conditions under which the inhabitants live, and we shall be taking a low standard of comparison if we estimate the loss of life due to these causes at 5 per 1000, or at least 600 lives per annum; and a proportionately excessive amount of disease has in addition weighed heavily upon the population.

We are gratified to find that an improvement of the death-rate of the whole city has followed the adoption by the Council of certain measures of sanitary reform—measures, we may add, that have long been the subject of earnest advocacy by this Association; but we submit that this fact, instead of justifying inaction, only tends to show how much larger a reduction of the mortality might have been accomplished by a judicious sanitary reconstruction of the districts.

We are not inclined to dogmatise respecting the means by which the reformation of these unhealthy areas should be brought about. We do not wish at the present time to pronounce any opinion as to the merits of the "flat" system of dwellings—a point discussed at some length in the Report of the Health Committee.

Our Association would gladly see carried out the structural alterations recommended at the end of Mr. Leigh's Report. The following changes therein suggested promise the fulfilment of much that we desire—namely, "open spaces shall be provided; certain 'back to back ' houses laid together and converted into 'through ' houses; \* \* \* courts opened at the end for better ventilation; some ranges of houses entirely pulled down and their sites left unoccupied in some instances, and in others sold for the erection of new dwellings; and with such other alterations and ameliorations as may be shown in the detailed description of the areas successively brought before them.

In carrying out this work, however, it is evident that the Council must rely less than it has hitherto done upon the "exigencies of trade" and the so called natural extension of the mercantile centre. The extraneous assistance to be derived from this source, and the enterprise of our Railway Companies, although they may not entirely fail in the future, will certainly be tardy in their operation, and in the meantime many thousands of lives would be lost, while the health of the survivors would be gradually but surely undermined.

In conclusion let us hope that the cordial support of the Council will not be wanting to these proposals of their Health Committee. That the death-rate of Manchester may be reduced "at no distant date" to 18 in the 1000, as foreshadowed in the recent biennial Report of the Medical Officer, the most ungrudging efforts of the whole Corporation will be absolutely necessary.

We have to request that you will be good enough to lay this letter before the Council at its next meeting.

We are, sir, your obedient servants,

D. NOBLE, Chairman.

ARTHUR RANSOME, Deputy Chairman. JOHN HADDON, M.D., Hon. Secretary. FRED. Scott, Secretary.

To SIR JOSEPH HERON, Town Clerk, Manchester.

## Amalgamation with the Ladies' Sanitary Reform Association.

The Bishop of Manchester, President of the Association, has more than once suggested the desirability of a union between the Ladies' Sanitary Reform Society, and this Association. A formal intimation having been received from the Ladies' Society to the effect that they desired amalgamation with a view to more effectual co-operation in the common work of the two Associations, the wisdom of such a step was at once admitted by the Committee. Several meetings were held to discuss details, and it was finally resolved at a joint meeting"That the Manchester and Salford Sanitary Association "and the Manchester and Salford Ladies' Sanitary Reform Asso-"ciation be amalgamated for the better co-operation in their "common work—the latter to be called the 'Ladies' Branch of "the Manchester and Salford Sanitary Association,' but the finances and management of both Societies to be kept separate "as at present, and joint meetings of the Committees to be held "quarterly."

## WEEKLY RETURNS OF DISEASE.

Owing to certain changes in public practice in Manchester and Salford since the disease statistics were first tabulated by the Association, a revision was deemed necessary by the Committee, and it was determined to commence the amended returns with January, 1879. The Committee as heretofore have to acknowledge with gratitude the public spirit and disinterested courtesy of the authorities and medical officers of the various institutions from which returns are received. The following is a list :---

ale received. The following	ing is a list
R. M. Mann, M.R.C.S., &c.	C. F. Pickering, L.R.C.P., &c.
E. Meacham, M.R.C.S., &c.	C. A. Mercier, F.R.C.S.
T. Price, M.R.C.S., &c.	D. T. Evans, M.R.C.S., &c.
O. Dean, M.R.C.S., &c.	C. H. Braddon, M.D.
J. Westmorland, L.R.C.P., &c.	S. Woodcock, M D.
W. F. O'Grady, L.R.C.P., &c.	C. H. Holmes M.D.
James Magill, M.D.	H. M. Williamson, M.R.C.S., &c.
H. Tomkins, M.D.	F. H. Collins, M.D.
W. Walter, M.A., M.D.	J. Foster, M.R.C.S.
B.A.Whitelegge, B.Sc.; M.R.C.S.	J. S. Orchard, M.D.
H. M. Powell, M.R.C.S., &c.	W. Lander, M.B., &c.
A. Boutflower, M.R.C.S.	John Scott, M.A., M.B.
J. C. Peatson, M.D.	John Watson, M.D.
J. Thomson, M.D.	R. Martin, M.D.
A. C. Clarke, M.D.	J. Leigh, M.R.C.S.
T. M. Johnson, M.D.	John F. W. Tatham, M.D., &c.

## WINTER LECTURES.

A series of eight lectures have been delivered, and published by Mr. John Heywood, both separately and in book form.

"The Prevalence of Consumption in large towns, and how to diminish it." By J. Dreschfeld, M.D., M.R.C.P.

"Long life, and the causes that prevent it." By Arthur Ransome, M.A., M.D.

"The Influence of Mind upon Body." By Henry Simpson, M.D.

"Work and Recreation: their relation to Health." By S. Holgate Owen, M.D.

"Defective Drainage as a Cause of Disease." By J. Makinson Fox, M.R.C.S., &c.

"Good Nursing, and its necessity in the Treatment of Disease." By John A. Irwin, M.A., M.D.

"The Loss of Wealth by Loss of Health." By John Watts, Ph.D. "How a Tenant may make his House healthy and comfortable." By Joseph Corbett, Esq., Architect and Sanitary Engineer.

Our lectures have now become very popular; and owing to the facilities enjoyed by the publisher for distributing them they have a large sale all over the country. Applications for them have indeed been made from some of the most distant Colonies. The increased usefulness of the lectures in a permanent form is obvious, and the Committee are satisfied that much good is now done by this branch of the Association's work.

## MISCELLANEOUS.

The Committee have to record their deep regret at the loss the Association has sustained by the death of Dr. Eason Wilkinson, who was one of the founders of the Association and for many years an active worker. Although latterly the claims upon his time precluded his taking any active part in its work he was always willing to support the action of the Association.

The Committee desire to record their thanks to Dr. Leech for the valuable services he has for some years rendered to the Association as Deputy Treasurer, which office he has resigned during the past year. The Auditor, Mr. John Chadwick, J.P., has kindly consented to act as Deputy Treasurer in the place of Dr. Leech.

The income of the Association has suffered considerably during the past few years owing to deaths, removals, &c., and the work of the Association is much cramped for want of sufficient funds. To those who reflect upon the nature of the Association's work its claim upon the community for liberal support will be readily seen, and the Committee appeal very earnestly to such persons to aid them by their pecuniary support.

## HEALTH OF MANCHESTER AND SALFORD.

Quarterly Return of New Cases of Disease in Public Practice in Manchester and Salford in the year 1878, compiled from the weekly returns of the Association.

DISEASES.	March	June.	Sept.	Dec.	Total.	Correspond- ing Totals for 1877.	
Small Pox	16	5	3	4	28	764	
Measles	153	248	104	223	728	777	
Scarlet Fever	145	113	146	169	573	511	
Diphtheria	0	-	3	8	11	. 4	
Whooping C'gh.	205	258	184	274	921	1,462	
Croup	12	9	8	II	40	69	
Diarrhœa	505	717	2,087	616	3,925	2,394	
Dysentery	15	24	35	5	79	119	
Malignant Chol.	-	-	-		-	-	
Erysipelas	74	65	69	64	272	337	
Continued Fever	22	. 3	4	2	31	82	
Typhus	9	8	3	12	32	103	
Typhoid	68	46	96	98	308	159 .	
Febricula	236	315	321	207	1,079	1,120	
Ague	2	I	2	101-0	5	5	
RheumaticFever	223	173	138	217	751	789	
Puerperal Fever	2	I	I	-	4	10	
Bronch., Catarrh	2,960	2,396	2,114	4,240	11,710	10,392	
Influenza	12	217	213	357	799	169	
Pleurisy and Pneumonia }	310	324	242	300	1,176	1,144	
Phthisis	745	1,038	920	964	3,667	2,678	
Const. Syphilis	1,345	1,467	1,556	1,219	5,587	5,720	
Other diseases	11,207	10,734	10,578	11,108	43,627	42,949	
Accidents	2,997	3,162	3,720	2,915	12,794	13,128	
Total	21,263	21,324	22,547	23,013	88,147	84,885	
Deaths in Public Practice	912	859	827	885	3,483	3,303	

From this table it will be seen that the diseases which showed a decreased prevalence in 1878 as compared with 1877 are Small Pox, by 736 cases : Measles 49, Whooping Cough 541, Croup 29, Dysentery 40, Erysipelas 65, Continued Fever 51, Typhus 71, Febricula 41, Rheumatic Fever 38, Puerperal Fever 6, Constitutional Syphilis 133, and Accidents 334.

There has been an increased prevalence of Scarlet Fever by 62 cases: Diphtheria 7, Diarrhœa 1531, Typhoid 149, Bronchitis and Catarrh 1318, Influenza 630, Pleurisy and Pneumonia 32, Phthisis 989, and all other diseases 678. Ague has been stationary at 5 cases. The totals for the two years show an increase of 3262 cases in 1878, and the deaths in public practise numbered 180 more.

Meteorological Table from observations taken at St. Bede's College, Manchester, and kindly supplied by the Rev. L. C. Casartelli, Prefect.

CH.	WINDS	TEMPERATURE				No.of Days	RA	IN
HTNOM	prevailing.	Aver	AGE.	ABSO	LUTE.	at or be- low	Total	Wet Days,
N	protuining.	Max.	Min.	Max.	Min.	32°.	inch.	No. of.
Jan.	sw. & w	°Fab. 44·22	°Fah. 34.60	$^{\circ}$ Fah. 59 $^{\circ}$	$^{\circ}$ Fah. 23 $^{\circ}$	10.	3.401	25.
Feb.	SW, W (NW.,N).	44.80	35.464	57.5	24	12.	1.3275	15.
Mar.	w	48.70	33.82	52	21	14.	1.57	14.
April	E., SE. (SW)	57.48	40.80	66	26.5	3.	1.715	11.
May	SE & E.,—SW	60.90	46.50	$70^{\circ}$	34°	0.	4.785	h 26.
June	sw., s	67.35	49.42	87c	37	0.	2.545	14.
July	NW	a70.50	58.58	87d	41	0.	f1.280	<i>i</i> 10
Aug.	SW.—W., E	69.47	52.781	and .	44	0.	g 4·94	23.
Sept.	SW., NW., W	65.33	46.276	~6	33	0.	4.55	19.
Oct.	sw	55.40	43·2 <b>2</b> 6	63	29	3.	3.705	18.
Nov.	SW. & NW	41.09	29.73	49	22	22.	2.355	15.
Dec.	SW., S.—N	38.967	b 23.90	53	4.5e	27.	1.692	11.

a Highest monthly average.—b Lowest do.—c c June 26 and c d July 21, highest absolute reading.—c e Dec. 24, lowest absolute reading.—f Smallest monthly rainfall.—g Largest do.—h Greatest monthly No. of wet days. i Least do.

Quarterly Return of Death and Births in Manchester and Salford
in the year 1878, compiled from the Returns of Drs. Leigh and
Tatham, Medical Officers of Health.

DISEASES.	March.	June	Sept.	Dec.	Total.	Corresponding Tota's for 1877.
Small Pox	2	-	-	-	2	143
Measles	50	27	60	75	212	314
Whooping C'gh.	92	83	99	72	346	438
Scarlatina	139	108	80	177	504	453
Fever	47	63	55	. 66	231	249
Diarrhœa	48	.644	75	73	840	494
Dis. of Lungs	1,109	618	918	1,365	4 010	3,765
Other causes	1,922	1,785	1,878	1,775	7,360	7,289
Total Deaths	3,409	3,328	3,165	3,603	13,505	
Correspondg.   No. last year	3,560	3,505	2,884	3,196		13,145
Deaths under } 5 years }	1,398	1,843	1,427	1,638	6,306	5,969
Average death rate}	25.4	25.5	23.2	27.9	25.5	25.3
Births	5,219	4,996	5,327	4,888	20,430	20,254

The most noticeable feature in this table is the marked diminution in mortality from Small Pox. Last year when the late epidemic was rapidly dying out 143 deaths occurred against 2 only in 1878. It will be seen from the other table that the respective numbers of cases in public practice in 1877 and 1878 were 764 and 28, so that the mortality has decreased in inverse proportion to the number of cases, thereby indicating a much milder form of disease during 1878 than that previously prevailing. The complaints which show a reduced mortality are Measles 102 deaths, Whooping Cough 92 and Fever 18. On the other hand 51 more deaths occurred from Scarlatina in 1878 than in 1877, from Diarrhœa 346, from Diseases of the Lungs 245, and from all other causes 71 more, or a net increase in 1878 of 360 deaths. The deaths under 5 years increased by 337. In the previous year there was also an increase upon 1876 of 592 deaths of Infants.

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MANCHESTER AND SALFORD SANITARY ASSOCIATION.

INSPECTION DEPARTMENT.

BALANCE SHEET FROM AUGUST TO DECEMBER 31st, 1878.

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