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SIXTH ANNUAL REPORT

OF

THE COMMITTEE

OF THE

MANCHESTER AND SALFORD

SANITARY ASSOCIATION;

BEING

A SUMMARY OF THEIR PROCEEDINGS FROM NOVEMBER, 1857, TO NOVEMBER, 1858.

MANCHESTER:

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MANCHESTER AND SALFORD SANITARY ASSOCIATION.

Committee and Officers for the Year 1858-59.

Datrons.

The Right Honourable the EARL of DERBY, The Right Honourable the EARL of DUCIE, The Right Honourable the EARL of ELLESMERE, The Right Honourable the EARL of WILTON, G.C.H.

President.

The Right Rev. The LORD BISHOP of MANCHESTER.

Dice-Presidents.

The Worshipful the MAYOR of MANCHESTER, The Worshipful the MAYOR of SALFORD, The Very Rev. the DEAN of MANCHESTER, LORD CAVENDISH, M.P.

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Beputy=Treasurer. W. ROYSTON, Esq.

Chairman.

Rev. CANON RICHSON, M.A.

Committee.

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M.A.
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Salford.

Monorary Secretaries.

Mr. G. BOWRING, M.R.C.S., Mr. F. H. WALMSLEY, M.R.C.S.

Secretary and Collector.

Mr. C. H. MINCHIN, 59, King-street, Manchester.

Communications for the Central Committee may be addressed to-

Rev. CANON RICHSON, M.A., CHAIRMAN,

To

The Honorary Secretaries G. BOWRING, Esq., M.R.C.S., F. H. WALMSLEY, Esq., M.R.C.S.

OR TO

Mr. C. H. MINCHIN, Secretary, 59, King-street.

SIXTH REPORT.

In prosecuting a Reform which has for its object the development and application of scientific principles, there is great lack of immediate satisfaction to those engaged in the work, except so far as they are supported by the conviction that their labours are founded upon truth, and intended for the public good.

It is in the very nature of the principles themselves that they should be but little understood by the public generally; and, often, the meagre results of long and patient toil seem to show but little towards the advancement of the object in hand.

From the first, this has been especially the case in regard to the Sanitary Movement; and in no less degree is it now applicable, even after years of earnest endeavour.

In presenting to the Members of the Association, at the close of the sixth year of its existence, their Annual Report, the Committee feel that they have no right to claim exemption from the rule which has fallen to the lot of their fellow-labourers in the field of Sanitary exertion; yet they trust that the summary of their operations contained in the following Report will meet with the approval of those for whom it is intended.

(I) - Position of the Committee with the Municipal and other Authorities.

(i.) - Manchester Town Council.

It has been a rule of the Association since its commencement "to induce general co-operation with constituted authorities." So desirous

have the Committee been all along to maintain the spirit of this rule, that it was with deep regret they found themselves, during the past year, obliged to act in opposition to the views of the Manchester Town Council.

The subject of dispute, however, was one involving an important Sanitary principle; a subject upon which a great mass of evidence had for some time been accumulating, and upon which those most conversant with Sanitary Science entertained no doubt. The Committee therefore felt, that however much their views might seem to clash with present public or private interests, that whatever odium they might be called upon for a time to endure, they had no other course open to them but that which they adopted. As no mere Spirit of Antagonism actuated the Committee in commencing their opposition to the "Manchester Corporation Waterworks' Amendment Bill," so no mere desire for victory would have induced them to continue the contest, could it, without sacrifice of principle, have been avoided. The Committee published a full Report of their proceedings in this matter, which was sent to each Subscriber to the Association, to the Members of the Corporations of Manchester and Salford, and other Public Institutions. Owing, however, to observations made by Members of the Town Council in the discussion following the presentation of the Report of the General Purposes Committee on this subject, and which this Committee regarded as calculated to mislead the Public as to the conduct of the Association, it was deemed right to publish the following Statement in the local newspapers:-

MANCHESTER AND SALFORD SANITARY ASSOCIATION AND THE CITY COUNCIL.

Water Works' Act, 1858.

As the Public may be under some mis-apprehension in regard to the real position of the Sanitary Association in reference to the recent Parliamentary proceedings of the Corporation of Manchester, owing to the Report of the General Purposes Committee, and the discussion thereon in the Council Chambers, published in the Manchester newspapers of the 5th and 7th of August, the Committee of the Association deem it right to make the following statements:—

The immediate cause of the proceedings of the Committee before the Select Committee of the House of Commons, was the attempt of the Town Clerk to exhibit the Association as approving, of what he declared to be "the only object ever sought to be obtained by the Corporation," namely, the discouragement of the use of Water Closets in low-class dwellings.

The Committee of the Association never expressed any such approval, but, on the contrary, from the first, endeavoured to show their disapproval of a measure which, by imposing a tax of so extreme a character upon all Water Closets, would necessarily be a complete prohibition of their use in small houses, however necessary on Sanitary grounds their introduction might be.

So long as the question appeared to be a financial one, the Committee considered that the Corporation had some equity on their side; but when it became evident, from the statements of the Town Clerk, that finance had nothing to do with the real objects of the Corporation, but that the exclusive object was "not to encourage, but discountenance, the use of Water Closets in low-rated tenements," the Committee felt they should fail in their duty to the Public if they permitted such a measure to pass without their strenuous opposition.

The importance of the principle involved is sufficiently shown from the fact that Mr. Fitzroy, the Chairman of Committees, on his attention being drawn to the bill, recommended the House of Commons to refer it to a Select Committee, as an opposed bill, in order that evidence might be taken upon the subjects to which the bill related.

With the evidence given by Messrs. Chadwick, Rawlinson, and Holland, so far as it was merely the expression of their opinion, the Committee of the Association have nothing to do. They object to its being inferred that they agree in any opinion which they have not themselves expressed.

On the question of fouling the Rivers, the Association have never attempted to disguise the fact that additional sawage must increase the foulness of the streams; although, according to Mr. Hawksley, the Medlock is the foulest stream in the Kingdom; but they contend that the present sawage ought not to be permitted to enter the Rivers within the City.

The Report of the General Purposes Committee states that "so far as Manchester is concerned, the result is comparatively of little importance;" and "that there is not any probability that any attempt will be made, either by landlords or tenants, to introduce Water Closets into the dwellings of the poorer classes."

The Association would ask, if this be true: Why have the Corporation exhibited so much anxiety to obtain powers to discountenance that of which there is no danger?

The Association are perfectly satisfied that the owners of Cottage Property will never introduce Water Closets, unless the pressure of the tenantry render it necessary for their own sakes to do so. They are equally certain that this pressure will only be brought to bear as the tenantry find the advantage of Water Closets, which in time they will undoubtedly do.

The Committee of the Association feel convinced that the course taken by the Corporation is a very significant testimony to the correctness of this view. They have too high an opinion of the shrewdness of the advisers of the Corporation to suppose they would have so anxiously contended for a power which, if obtained, was to produce no effect.

The Committee trust that those persons who have had an opportunity of perusing the Report of the General Purposes Committee, in extenso, will also read that which the Associaton have published, before they pass judgment on the proceedings of either body.

(II.)—Conservancy of Rivers.

In the last Report of the Association (p. 12) the following passage occurs:—

"The Committee are gratified in concluding this Section of their Report, to be able to state that the Council have given notice in the Local Newspapers of their intention to apply to Parliament for those powers which this Committee ventured to assert as necessary; and are proceeding to secure in their own hands a Conservancy of the Rivers, which, it is hoped, will be only the precursor of those great improvements which, in a Sanitary aspect, the Rivers of Manchester require."

The nature of the powers actually sought by the Corporation is thus described in the Minutes of the Committee:—

"They (the Council) seek powers to remove Weirs, and lower the beds of the Irwell, Medlock, and Irk, so far as the same may, in their opinion, obstruct the flow of the water, so as to cause danger of floods; charging three-fourths (of the cost) on the owners of property adjoining. They do not seek for powers to deal with any of the Sanitary Evils; but they seek to impose a penalty of £20 on any one who may throw rubbish into the Rivers; which, in the opinion of the Council, tends to impede the stream, whilst they retain the power of turning all their Sewers into the Rivers."

This Bill was afterwards withdrawn by the Corporation; and, therefore, for the present, the matter remains in abeyance, but the Committee venture to hope that ere long the subject will again have the earnest consideration of the Corporation, and that a Bill may be prepared which shall have more regard to the Sanitary elements of the question.

(III.)-Night Soil Depôt, Water Street.

The attention of the Committee has been again drawn during the past year to the accumulation of Night Soil at the above depôt. The Committee are more and more convinced that this monster evil will only be reduced by concerted action, brought to bear upon the Corporate Authorities by the owners of property and residents in its vicinity.

(IV.)—Bridgewater Canal.

A Sub-Committee has been formed to consider what plan can advantageously be recommended to abate the effluvium arising from this Canal, which has been particularly offensive during the warmer seasons of the past year. To further this object the Committee will be glad to receive the advice and co-operation of those whose dwellings are situated within reach of the nuisance.

(V.)-Introduction of Portable Soilpans into Borough Gaol.

A communication was addressed to the Committee complaining that it was the intention of the Authorities to abolish the use of Water Closets in the Borough Gaol, and to substitute for them Portable Soilpans. The Committee found on enquiry that such a plan was about to be adopted, but merely as an experiment, and, therefore, declined to interfere, trusting that the subject would meet with due consideration from the Inspector of Prisons. Thus far, to the knowledge of the Committee, no result of the experiment has yet been made public.

(VI.) -Burial Grounds.

Several additional Burial Grounds have been closed during the past year, yet the City of Manchester remains still unprovided with suitable Cemeteries for the Burial of the Dead. The Committee view with regret the apparent apathy of the Corporate Authorities on this subject, as tending to produce evils which by accumulation will ultimately give rise to serious consequences.

(VII.)—(ther Nuisances.

Numerous cases of Nuisance have been referred to the Committee by private individuals, which, when brought under the notice of the City Authorities, have been speedily remedied.

(VIII.)—Chairmen of Lectures.

The Committee desire to record their grateful acknowledgment to the following Aldermen and Councillors for presiding at Lectures in various parts of the City:—

Messrs. Aldermen Watkins, Neild, Goadsby. Mr. Councillor Bennett, and others.

(ii.) - Salford Town Council.

No communication of importance has been addressed by the Committee to the Salford Town Council during the past year.

The Committee beg to express their thanks to the following

Members of the Council for presiding at Lectures in various parts of the Borough:—To His Worship the Mayor, Messrs. Aldermen Langworthy, Agnew, Weston, Marsden, Ashworth.

GUARDIANS OF THE POOR.

The Committee have had no communication with the Guardians of the Poor during the past year.

GOVERNMENT AUTHORITIES.

No direct communication has been made to Government, except in the case of the Manchester Water Works' Bill already related.

Lord Redesdale having stated in the House of Lords, in reference to the condition of the Thames, that he believed that in the City of Manchester, the cleansing of the Town had been largely and successfully carried on by means of Cesspools, and other local arrangements under the Corporation, at a considerable, but not an overwhelming expense; the Committee forwarded copies of the Report of their proceedings in reference to the Water Works' Bill, to Lord Ebury, the Duke of Manchester, Lord Dungannon, Lord Braybrooke, and Lord Ashburton, Members of the Committee on the State of the Thames, and also to Lord Redesdale. The following letter on the subject was also addressed to Lord Ebury by Mr. Cawley, a Member of this Committee:—

NATIONAL CLUB, WHITEHALL GARDENS, June 29th, 1858.

My LORD,

I trust your Lordship will excuse me for having instructed the Secretary of the Manchester and Salford Sanitary Association to forward to your Lordship, and the other Members of the Committee over which your Lordship has just presided, the Report of the proceedings in the House of Commons in reference to the Manchester Water Works' Bill.

()f course it would have been highly improper for me to have made any observation to-day in reference to the statements of the Town Clerk; but your Lordship will find from the Report that, however enamoured the Town Clerk may be of the present system, his opinion is far from being general; and that I had the honour to produce before the Committee of the Commons a Certificate, signed by twelve Medical Officers of the several Unions, testifying to the injurious effects resulting from privies and ashpits.

As to the Water Closets, I would take the liberty of suggesting to your Lordship, as I did to the Committee of the House of Commons, that the highest testimony to the comfort which would follow their introduction into the yards of the poor is to be found in the extreme anxiety of the Corporation to obtain powers to obstruct their introduction; that anxiety could not have been greater had some other party been seeking powers to compel the Corporation to erect them.

Nothing, I venture to suggest, but the preference given to houses having them, will induce the owners to incur the expense of putting them in; and this preference will not be given, unless experience proves to the working man that they contribute to his comfort.

Having, my Lord, had much to do with questions of this nature, both professionally and as a member of the Sanitary Association, I should be sorry to depreciate any good which the Corporation of Manchester have done: they have done much; but they have very much to do before they have perfected the Sanitary Condition of their City; and, most certainly, they have not proved the superiority of Ashpits.

I have been the more induced to make this communication from seeing the observations made by Lord *Redesdale* on Friday evening, during the discussion on the Thames, and which were evidently based on the same information as that given to your Lordship; and from feeling that those observations are founded in misconception, and calculated to mislead.

The Right Honble. Your Lordship's obdt. Servant,
LORD EBURY. (Signed) C. E. CAWLEY.

LORD EBURY'S Reply.

SIR,

I beg to acknowledge, with many thanks, the receipt of your letter, which I have attentively perused; and of the pamphlet, which seems to me calculated to be very useful.

I remain,

Your obdt. Servant, (Signed) EBURY.

C. E. CAWLEY, Esq.

The Committee have also been instrumental in moving the inhabitants of Manchester to address the Government in relation to the Adulteration of Food, and Poisons, of which further details will be found in another part of this report.

OPERATIONS OF DISTRICT COMMITTEES.

From circumstances which occurred during the year 1856, an outbreak of Cholera was anticipated during 1857. This has providentially been spared the community. With a view to preparation in case the epidemic had visited this locality, a careful house to house visitation was provided for by some of the District Committees of the Association.

HONORARY SECRETARIES OF DISTRICT COMMITTEES.

The Central Committee beg to record their thanks to the gentlemen who have acted as Honorary Secretaries to the District Committees, and to all those who have forwarded the objects of the Association.

PUBLIC AND HOME INSTRUCTION OF THE PEOPLE.

The Committee have received from many sources assurance of the interest which continues to be felt in the Lectures delivered under the auspices of the Association. Not unfrequently, likewise, letters have appeared in the Public Journals to the same effect. Extracts from such Lectures and Speeches have often been inserted by Editors at a distance in their respective periodicals; thus evidencing the fact that the labours of the Association are felt and appreciated in a wider sphere than that simply in which they are carried on. The Committee are glad to record so gratifying a result.

DISTRICT LECTURES.

The following Lectures were delivered during the last Session.

LECTURER.	Subject. No. of Times repeated. Places.
T. TURNER, Esq	Man as a Living and Respon- 1 Mechanics' Institution, Miles sible Being Platting.
Ditto	Social Progress in Connection 1 St. Thomas's School. with Health
Ditto	The Three Great Evils which 1 Town Hall, Chorlton-on-Medlock. Destroy the Health and Happiness of the Working Man's Home
Ditto	The Characteristics of a Home 1 St. Ann's Church School, Queen-street.
Ditto	The Use and Abuse of Na- 1 Wesleyan School, Red Bank. ture's Adaptations to the Wants of Man
Ditto	The Relations of Air, Heat, 1 Christ Church School, Hope- and Light to the Health and Street. Happiness of Man
J. Boutflower, Esq	The Relations of Man with 1 St. Matthias' Church School. Nature
James Dunn, Esq	How to preserve Health and 3 London-road District School. secure Wealth
	St. Simon's School. St. Wilfrid's School, Clarendon-street.
F. C. Calvert, Esq	The Best and Cheapest Food. 2 Presbyterian School, Mill-street.
	Temperance Hall, Grosvenor- street.
Ditto	On Food 1 Christ Church School, Hope-
Dr. R. A. Smith	The Economy of Cooking 1 St. Ann's Church School, Queen-street.
Ditto	The Habits of Order in Na- 2 Town Hall, Chorlton-on-Medlock.
	Mechanics' Institution, Salford.
C. E. CAWLEY, Esq	The Importance of Little 1 St. Oswald's School. Things
Ditto	The Importance of Trifles I All Saints' School.
Ditto	How Trifles Tell on Health 2 St. Ann's Church School, Queen- and Comfort street.
	National School Room, Salford.

J. S. Fletcher, Esq	The Healthy Development of 1 St. Barnabas' Church School. the Human Frame
Ditto	Home Duties of Husband and 3 Wesleyan School, Chancery- Wife lane.
	St. Ann's Church School, Queen-street.
	St. Michael's School.
A. J. Scott, Esq	The Electric Telegraph in 1 Independent School, New Man Windsor.
ISAAC HOLDEN, Esq	The Dwellings of the Working 1 St. Ann's Church School, Classes
Ditto	Woman as a Sanitary Re- 1 Independent School, Ashley- former lane.
Ditto	Habits, their Cultivation and 1 Trinity Church School, Bury- effect street.
Rev. E. Hewlett	The Wickedness of Dirt 1 Lee's School Room, Ormond- street.
W. Roberts, Esq., M.D	The Diet of the Working 1 St. Wilfrid's School, Chorlton- Classes upon-Medlock.
T. THORBURN, Esq	Malaria 1 Independent School Room, Saville-street.
Rev. Robert Steel	The Attractions of Home 1 Temperance Hall, Grosvenor-street.
Rev. T. G. LEB	Is Practical Christianity de- 1 Wesleyan School, Mount-street. signed and calculated to prolong Human Life?
Rev. Canon Stowell	On the Mutual Duties of 1 Town Hall, Salford. Members of Families
Total	l No. of Lectures

TRACTS.

The Committee have issued no new Tracts during the past year.

Those already published have had increased circulation.

A Tract on Food is intended to be published.

OTHER PUBLICATIONS.

The Report of the proceedings of the Committee on the Manchester Water Works' Bill, is the only publication issued during the past year.

PRIZES.

Advertisements have been from time to time inserted in the Newspapers, offering the prize of £5, kindly given to the Association by Mr. Fernley, for this purpose, for the best Essay, by a Working Man, on the "Homes of the Working Classes with especial reference to Health, Comfort, and Economy." No replies have been received.

Scientific and other Investigations.

(i.) -Mortality Returns.

The Committee tender their thanks to Mr. Royston for his very able returns of the Mortality in Manchester and Salford. These returns become yearly more valuable, forming, as they do, a mine from which the scientific enquirer into the causes and progress of disease may extract most important information. The last annual return is appended to this Report,

(ii.)—Scarlatina Chart.

Mr. Royston has also presented to the Association a Chart showing the variations of Scarlatina in the different Townships of Manchester and Salford, during the years 1854, 1855, 1856, 1857, and the three first quarters of 1858, by which the observer is enabled at a glance to distinguish what localities have suffered most from the disease, and at what particular periods of the year. The value of this Chart cannot be over estimated, and the Committee beg to express their thanks to Mr. Royston for it. A copy is appended to the Report.

(iii.) - Meteorology.

The Meteorological Sub-Committee has continued its labours during the year. The relation of certain atmospheric conditions to different classes of the most prevalent diseases has been the object of research. Mr. Vernon has kindly promised to make a Report on the subject to the Members of the Association at an early period, which will embody the results of the observations of the Sub-Committee.

(iv.) - Cottage Dwellings.

The Sub-Committee on Cottage Dwellings have had frequent Meetings during the past year. The Report is in course of preparation, and is expected to contain valuable information on this very important subject.

(v.) -Sanitary Condition of the Army.

The appalling contents of the Blue Book containing the Report of the Commissioners appointed to enquire into the Sanitary Condition of the Army, caused the Committee to request the attention of one of its Sub-Committees to the subject, with the view of watching its progress, and collecting information bearing upon it.

It may be well to mention one fact which came to the knowledge of the Committee, not only as illustrating the lamentable defect in Army arrangements, but as bearing directly upon questions involved in the Committee's proceedings on the Water Works' Bill. A Surgeon to a Regiment stationed in Manchester, stated that the mortality and sickness in the Cavalry Barracks, Hulme, were double those of the Infantry Barracks, in Regent Road, and he considered that this was owing to the state of the Cesspools in the former neighbourhood.

In order to show that the Association are justified in their apprehension of evil effects upon the health of the Public from the existence of the open Middens or Cesspools, as now constructed; they would refer to the painfully interesting Report, by the Registrar General, of the health of the country during the past year of 1858, in which he says, among other statements:—

"We must not shut our eyes to the fact that one great nuisance perpetually increases as the population, and that no effectual provision has yet been made for getting rid of it in human dwellings. It is referred to several times in the notes of the Registrars in towns which have been most heavily afflicted. To take one instance, the deaths (386) exceeded the births (375) in St. Peter's, Brighton. The Registrar enumerates the prevailing Zymotic diseases, and then observes:—

"The inhabitants of this sub-district are chiefly artizans, mechanics, and the labouring poor. In many of their dwellings a very insufficient supply of water has been available to them, owing to the dryness of the weather in the first portion of the quarter, the water in the wells in use having been very low. There is no effectual drainage attached to their dwellings, and the Cesspool system is in general use.

"Our towns have not had the advantage, generally, of being led by such enlightened and energetic men as the late Dean of Ely, and have consequently, notwithstanding some efforts, left the greatest nuisance of all still subsisting. Yet the removal of this nuisance is the one thing needful in Sanitary reform, it is the root of the matter.

(vi.)-Public Play Grounds.

The attention of the Committee has been drawn to the desirability of obtaining, as Public Play Grounds for Children, vacant portions of land in various parts of Manchester and Salford. The subject is still under the consideration of the Committee.

(vii.)-Adulteration of Food and Sale of Poisons.

During previous years the attention of the Committee has been largely directed to the Adulteration of Food (vide 3rd Annual Report, p. 24), and indiscriminate sale of Poisons (vide 5th Annual Report, p. 22.) The late disastrous calamity at Bradford again caused them seriously to consider the question. Sub-Committees were appointed, and operations commenced, the results of which, not issuing during the present year, will be detailed in a future Report.

(viii.)—Cellar Dwellings.

The condition of various dwellings of this class has been brought under the notice of the Committee. This subject will receive due attention by those appointed to consider the dwellings of the working classes.

(ix.)—Association for Promotion of Social Science.

The Association for the Promotion of Social Science requested the Committee to send a deputation to the late Meeting at Liverpool. Although the Committee sympathised with the objects of the Association, they found themselves unable to comply with the request. The Chairman and other Members of this Association attended in their private capacity.

(x.)—Periodical Reading of Papers.

In order still further to develope a knowledge of the various subjects of Sanitary science, the Committee intend to commence a series of monthly meetings, at which Members of the Association will be invited to read Papers.

(xi.) - Circulation of Publications of the Association.

Several applications have been made for the Reports and Publications of the Association; and, accordingly, copies have been supplied to,—

1st. The Ladies' Association for the Diffusion of Sanitary Knowledge.

2nd. To a gentleman in Huddersfield for use in connection with the proceedings of the Huddersfield Board of Improvement Commissioners.

3rd. To a gentleman for transmission to some parts of the Continent.

HEALTH OF THE YEAR.

Although it has pleased Providence to withhold from us the fearful scourge of Cholera, yet the general unhealthiness of the year calls for serious thought. As will be seen from Mr. Royston's return of

Mortality appended to this Report, the death rate has been higher than that of several preceding years. This has mainly arisen from the class of epidemic diseases, of which Scarlatina has been the most deadly in its action. There has also been at work amongst us, a comparatively unknown, and little understood disease—Diphtheria. Though hitherto not so widely fatal as Cholera or Typhus, it presents, in a more marked degree than either of them, a feature at all times fearful to witness, namely, that of concentrating itself in a certain spot,—it may be a House, a Square, or a Street,—and there, with intense malignity, attacking all within its reach, often with too deadly effect; and this, as far as investigations have proceeded, apparently irrespective of wet or dry seasons, heat or cold, poverty, or comparative comfort; though it has been remarked that on the whole it has acted more extensively amongst the better classes, children being its most frequent victims.

At a time when familiar diseases have been more than usually fatal, and when a new morbific agency is abroad, surely the need of an Association such as this must be patent to all.

In the Metropolis, many parties, Medical men and others, voluntarily supply to the Officers of Health information respecting cases of disease, their character and results, as well as the existence of all classes of nuisance. The Committee of this Association would very gratefully receive such information from parties in this and surrounding districts, which they would not only classify and arrange for the reference of those interested, but, where fitting, bring immediately under the attention of the Authorities, whose duty it is to remedy, if possible, the evils complained of.

FINANCIAL POSITION OF THE ASSOCIATION.

The Committee have still to regret the inadequacy of their income to their wants. By virtue of the strictest economy they are enabled to show a balance in the hands of their Bankers. Considering on the one hand the wide field of their labours, this is satisfactory; but on the other, considering the many subjects loudly calling for investigation,

subjects involving the Preservation of Life and Health; considering that the object of Sanitary Science is the developing of a knowledge of the laws impressed by God upon the physical creation, the neglect of which has long disfigured its beauty and blurred our civilization, the defect is matter of reproach to all who wish this state of things altered. The Committee trust that they may be enabled in future years to extend their usefulness, and this can only be effected by the greater liberality of their fellow citizens.

Conclusion.

As an educational organization the Association fulfils two objects. 1st—It qualifies a body of men of the upper and middle ranks of Society to become Teachers of its Science; and, 2ndly—it diffuses its principles amongst those who most suffer from ignorance and neglect of them—the Working Classes. A sound knowledge of the subject, a facility of expression when speaking on scientific matters, an avoidance of technicalities, and the substitution of language which reaches the level of those addressed, are never so well attained as by the constant association of those who have to acquire and then impart knowledge. The large audiences of working men and women at the Lectures of the Association, the interest shown and enjoyment apparently felt, and the frequent testimony that suggestions expressed on these occasions have been put into practice by many of those who heard them, furnish evidence that both these educational desiderata have, to some extent at least, been attained.

Allusion has already been made to the pecuniary wants of the Association; there is yet another want which the Committee earnestly desire to see supplied. The Manchester district is honourably noted throughout the kingdom for the magnitude of its liberality, and for its attempts to ameliorate the physical, moral, and mental condition of the large masses of operative population, which its commercial enterprise has aggregated together. If it be true that mental and physical health are but the reflex of each other; and if that, which has so far the stamp of truth that it has passed into a proverb, be really true—that clean-

liness is next to godliness, then it behoves all those who have really the welfare of the working classes at heart to promote the success of the Association, not only by money help, but by that kind of help which it is often a greater self-sacrifice to bestow-personal effort. The relation of class to class is so adjusted that one cannot long suffer without it telling injuriously upon the other. If the neglect of the means of health foster the spread of an infectious disease, such as Scarlatina, amongst the children of the poor, the rich man may tremble for the health of his own. Let the men who desire to see the homes of their poorer fellow-creatures healthier, the men who would give them pure water to drink and unadulterated food to eat, who would have their hours of labour passed in a pure atmosphere, who would furnish them with means of healthy recreation, give to the Association a portion of their individual exertion. The Committee are only too glad to elect members who will really work to advance such objects as those enumerated. The Association fills up a gap which must exist in all communities between individuals, who alone can effect little, and constituted authorities, municipal or other, which are bound down by their constitution to a certain track. A voluntary association can at all times give its energies to prevention, which is ever better, easier, and cheaper than cure, though its action may be, for the most part, less apparent.

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Examined and found correct:-

ERNEST REUSS.
JAMES DUNN.
WM. ROYSTON.

Manchester, December 21st, 1858.

ERNEST REUSS, ESQ., Treasurer, in Account with the Manchester and Salford Sanitary Association.

TRACT FUND.

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£ s. d.	£28 3 1	
1858. Dec. 21. By Balance in Bank		
1858. Dec. 21. To Balance in Bank, Dec. 7, 1857	£28 3 1	Balance brought forward £28 3 1

Examined and found correct :--

ERNEST REUSS.

JAMES DUNN.

WM. ROYSTON.

Manchester, December 21st, 1858.

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	£	s. d	
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Reddish and Bickham, Messrs		177	10	6
Rahr W. S., Esq				
Rice J., Esq	1/ 57 1	,	5	0
Schuster, Messrs. Leo, Brothers, and Co		2	2	0
Sharp W. P., Esq		2	2	0
Slater W., Esq		2	2	0
Stevenson, Ross, and Co., Messrs		1	1	0
Samuels, Messrs. J. and Co		1	1	0
Satterfield, Messrs. J. and Co		1	1	0
Satterthwaite Dr		1	1	0
Schunk, Souchay, and Co., Messrs]		
Sewell J., Esq		1	1	0
Shaw W. H., Esq			1	0
Simmons I., Esq			1	0
Simon and Co., Messrs		1	1	0
Slagg John, Esq		1	1	0
		1		0
Smith Dr. Angus				0

	nations. Subscr		
Smith G. Fereday, Esq£	s. d. £	s.	d. 0
Smith William, Esq	i	1	0
Sowler T., Esq	1		0
Shaw John, Esq	i i		0
Street J., Esq		1	0
Stowell Rev. Canon		10	
Scarr, Petty, and Co., Messrs			0
Scarr, Tetty, and Co., Messis		10	U
Taylor, Garnett, and Co., Messrs	2	2	0
Taylor, Mr. and Mrs	2	2	0
Turner Thomas, Esq	2	2	0
Taylor J. E., Esq	1	1	0
Turner J. Aspinall, Esq., M.P	1	1	0
Weetherd Masons I P and E and Ca	2	2	0
Westhead, Messrs. J. P. and E., and Co	2	100	0
Worsley C. C., Esq.	1	1	
Wadkin and King, Messrs	CONTRACTOR OF THE PARTY OF THE	100	0
Watson C., Esq		10	6
Weston S., Esq.		1	0
Worthington E., Esq		1	0
Worthington Thomas, Esq		1	0
Wilkinson Dr. M. A. E	1		0
Williams L. and E., Messrs	1	1	0
Westmore Rev. H. H.	1	1	0
Watts Sir James	1	1	0
Watts S., Esq	1	1	0
Winterbottom A., Esq	1	0	0
Worthington Walter, Esq	0	10	6
Williams Mr. Councillor, (Salford)	0	10	0
Worthington Wm., Esq	0	10	6
Young, Littlewood, and Wilson, Messrs	1	1	0

MANCHESTER AND SALFO

n

Annual Return of Mortality in the Townships within the September

COMPILED BY W. ROYSTO

			-	-	NOT STORY OF THE PARTY OF THE P	TOTAL THE SECOND STATE OF	-	
	Estimated		Rate	Classification of Deaths from				
				FEV	ER.	SCARLATINA.		1
Township,	Population in 1858.	from	per cent. on Population	Number	Rate percent. on total Deaths.	Number	Rate percent on total Deaths.	Nu
Manchester	193,059	6,536	3.38	243	3.72	385	5.88	1
Salford	68,850	2,126	3.07	74	3.48	286	13.45	
Hulme	59,997	1,808	3.01	86	4.76	210	11.61	
Chorlton	39,390	931	2.36	45	4.83	77	8.27	131
Ardwick	17,996	476	2.65	18	3.78	35	7.35	13
Cheetham and Crumpsall	16,520	341	2.06	14	4.10	23	6.74	23
Newton and Bradford		361	2.47	16	4.43	14	3.88	24
Pendleton and Pendlebury	18,934	506	2.67	16	3.16	43	8.5	13
Broughton	7,836	132	1.7	6	4.54	8	6.06	
TOTAL	437,166	13,217	3.02	518	3.92	1,081	8.18	22
Estimated Population in 1857 Do. 1856	427,324	11,956 11,549	2.76 2.7	361 416	3.02 3.6	457 443	3.82 3.83	2
Do. 1855		13,531	3.19	421	3.11	1,062	7.84	20
(Population of 1851) 1854	406,395	13,089	3.22	533	4.07	710	5.42	318

The points calling for special notice in the above return are—
The small increase of population, owing to the high death rate,
The high mortality is accounted for by the ravages of the three i
Small Pox, as compared with last year, has been on the decrease

SANITARY ASSOCIATION.

roughs of Manchester and Salford, for the year ending 1, 1858.

Esq., DEPUTY TREASURER.

ving Diseases.		Total amount of deaths from		From other				Increase of Population	Dom sond	
3.	SMALL POX.		these four causes.		causes.		-	Rate per cent.	exclusive of Emigration	Per cent- age of
ate cent. total aths.	Number	Rate percent. on total Deaths.	Number	Rate.	Number	Rate.	Віктня.	of Births on Popula- tion.	and Immigration. Number.	increase on Popu- lation.
09 3 93 93 1 58 55 35	61 11 7 1 8	.93 .51 .38 .11 1.68 .83	826 420 338 141 71 39 35 81 15	12.63 19.75 18.7 15.14 14.91 11.43 9.7 16. 11.36	5,710 1,706 1,470 790 405 302 326 425 117	87.37 80.25 81.3 84.86 85.09 88.57 90.3 84. 88.64	6,998 2,604 2,636 1,383 728 605 668 777 236	3.62 3.76 4.39 3.51 4.05 3.66 4.58 4.1 3.02	462 478 828 452 252 264 307 271 104	.24 .69 1.38 1.15 1.4 1.6 2.11 1.43 1.32
08	91	.69	1,966	14.87	11,251	85,13	16,635	3.8	3,418	.78
8 13 53 31	139 87 12 49	1.16 .75 .08 .37	1,053 1,192 1,702 1,595	8.8 10.32 12.57 12.18	10,903 10,357 11,829 11,494	91.2 89.68 87.43 87.82	16,686 16,661 16,996 17,455	3.85 3.89 4. 4.29	4,730 5,112 3,465 4,336	1.09 1.19 .81 1.07

ane births have only been at the average.

the four specified diseases, - Scarlatina having been by far the most fatal.

GEORGE BOWRING, Honorary Secretaries.

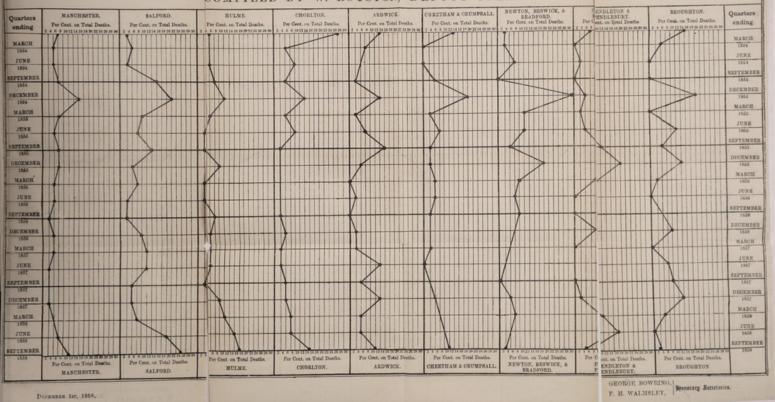
-10250

MANCHESTER AND SALFORD SANITARY ASSOCIATION.

CHART, SHOWING THE VARIATIONS OF SCARLATINA.

The Deaths from Scarlatino, during the four years in which the Mortality Tables have been compiled, having amounted to 2,672, or at the rate of 5 per Cent. per Annum on the total Deaths, the following Table has been arranged to show the degrees of its intensity during each Quarter.

COMPILED BY W. ROYSTON, DEPUTY TREASURER.



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