

[Report of the Medical Officer of Health for Bethnal Green, Parish of St. Matthew].

Contributors

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YEAR 1859.

FIFTH REPORT

ON THE

SANITARY CONDITION

OF

BETHNAL GREEN,

BY

SAMUEL PEARCE,

MEDICAL OFFICER OF HEALTH.

London :

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1860.

THE MEDICAL OFFICER OF HEALTH

OF BETHNAL GREEN,

HAS THE HONOUR TO DEDICATE

HIS SANITARY REPORT FOR 1859,

TO HIS PRECEPTOR AND FRIEND,

DR. ARCHIBALD BILLING, F.R.S.,

MEMBER OF THE SENATE AND EXAMINER IN MEDICINE

OF THE UNIVERSITY OF LONDON,

BY WHOM

HE WAS INSTRUCTED

IN PREVENTIVE AND CURATIVE MEDICINE.

135, BETHNAL GREEN ROAD,
APRIL 16th, 1860.

GENTLEMEN,

The Report which I have now the pleasure to submit comprises our Statistics and Progress in 1859. As heretofore, the one represents the sanitary appliances, the other the Births and Deaths of the year. Happily, when contrasted with 1858, the Birth rate advanced, the health of the population improved, and the mortality decreased. Meteorologically the temperature of the year was beyond the mean; on April 1st and 7th, its readings varied nearly 54° ; on two days in July they attained 93° in the shade, and 115° in the sun; and on December 19th they fell to 14° , or 18° below the freezing point. Table 1 points out the influences month by month that the atmospheric vicissitudes had on life. It shows that the mean reading of the Barometer was, at Greenwich, 29.772 inches, the mean temperature of the air $50^{\circ}\cdot8$, the dew point temperature $44^{\circ}\cdot6$, and the rain-fall 25.9 inches;—that the mortality of London was 61,617, and that of Bethnal Green 2273. In the latter District the return of deaths was least (26 and 25) in the weeks ending April 2nd and April 30th; and greatest (71 and 70) in the weeks dating July 23rd and July 30th. As to Seasons, 600 persons were cut off in the 1st quarter; 486 in the 2nd; 603 in the 3rd; and 584 in the 4th. In point of comparison their per centage equivalents differ from those of 1858 in being .19 in excess in the Winter; 2.41 less in the Spring; 1.83 more in the Summer; and .39 higher in the Autumn. Of the sum total, 22 deaths were not certified, and 16 had not the attendance of any Medical Man.

The following Table gives a two-fold view of the Population of Bethnal Green, from the Census of 1851, to the middle of 1859 :—

Sub-Districts	Population	
	By Excess of Births over Deaths	By Census Returns
Hackney Road	3643	27611
Green	1886	31184
Church	3516	26314
Town	3357	21728
	90193*	
Totals	102595	106837

The 2nd column enumerates the increase from the surplus of births; the 3rd superadds the immigration to the other amount. 'In the 10 years 1841-50,' as quoted in my Report on 1856, 'out of a total increase of 15,991, the excess of births over deaths was 10,697, the immigration—addition 5294 or 529.4 per year.' So, on the present occasion, the difference between the two columns (4242) exactly accords with the foregoing rate of increase. For the reasons that large spaces are yet uncovered, and that years will elapse before they are immured, I have framed my calculations on the second of the estimates presented above. Should the first be the more correct of the two, the deaths to the living would be nearly 9 per 10,000 more than in Table 1. The Population thus deduced ranges at each age as below :—

* The Population in 1851.

Ages	Numbers Living
0 — 5	15738
5 — 10	13351
10 — 20	21322
20 — 40	32938
40 — 60	17588
60 — 80	5512
80 — 100	387
Above 100	1
Totals	106837

Excluding those still-born, the Births of 4103 children were registered in 1859, or 181 more than in the preceding year. Of these the Boys numbered 2088, and the Girls 2015. Their rate to each 1000 living is 38·4, and to the Deaths as 1·8 to 1. In all England the ratio per 1000 for the last 10 years is 33·8, and in the Metropolis during 1859, 33·3. With us the maximum was attained in the Winter, and the minimum in the Autumn. Irrespective of migratory changes, the number in excess of the Deaths was 1830. Of each 1000 born within the year there died 148, while to every 100 deaths the proportion dying out of the annual births was 26·7. Among the 4103 Births those out of wedlock amounted probably to 88, for on an average of 7 years the illegitimate births in the Registrar-General's Returns are divided thus :—

Illegitimate Sub-District Births	Males	Females	Totals
Hackney Road	62	62	124
Green	145	135	280
Church	39	41	80
Town	78	55	133
	324	293	617

“The proportion of Births,” says the Registrar-General, “is by the Returns in London 4 in 100.” In the City the proportion is 3, and in England and Wales, 5.5. Viewed morally, the advantage is therefore in favour of Bethnal Green; the illegitimate returns being little in excess of 2 per cent.

In Social Statistics the mean age at death was of the Gentry, 56.45; of the Tradesmen, 23.51; and of the Artisans, 20.47 years. During 1839 the average ages of the 3 classes* were, of Gentlemen 45, of Tradesmen 26, and of Operatives (excluding Paupers) 16 years. After the first Vicenniad, the years of life of the 1st class were 66.78, of the 2nd 49.84, and of the third 52.61. Of all who died the mean lifetime averaged 38.73 years, and the mean age 22.17. Our ratio consequently “of the mean age at death to the mean duration of life” was 1 to 1.7; throughout England it is “1 to 1.4.” Nos. 3 and 4 of the Appendix elucidate the Class and Sub-District means.

The Mortuary Table, No. 2, shows that the fatality from all causes was 2273, and that the deaths were fewer by 169

* Mr. Chadwick's Report, page 159.

than in the year 1858. Among these, 1148 were of the male and 1125 of the Female Sex. Placing side by side the death estimates of London and Bethnal Green, the former gives a per centage of 2·229 and the latter of 2·127. Proportionally to population these signify one death in each 45 and 47 persons; the minimum being in favour of Bethnal Green. Tested by the corrected average of the preceding 10 years, our mortality was lower by 130. Tested however by 17 deaths per 1000—the rate of the dwellers in certain of England's most healthy spots where the mean lifetime is 49—it “exhibits” on our part 4 “degrees of insalubrity,” or the quota of avertible deaths. Nevertheless in one of our Sub-Districts, that of Hackney Road, this healthy rate was reached, and the deaths to the 1000 were only 17·05. Table 2 contrasts the loss by every disease in 1858 and 1859. It shows that Affections in the several Classes of Dropsy, the Brain, the Respiratory Organs, the Stomach, Malformation, Premature Birth and Debility, Atrophy, Old Age and Violent Death, were most destructive in 1858; that (with the exception of the Kidneys) the residue of the Classes devoted to Zymotic, Heart, Childbirth, Joint, Skin and Sudden Death Diseases carried off the greatest numbers in 1859, and that Diseases of the Kidneys were co-equal in each year. Descending from classes to certain individual diseases in 1859, Consumption killed 266, Diarrhœa 187, Pneumonia 170, Scarlatina and Diphtheria 157, Tabes or “Mesenteric Consumption” 131, Bronchitis 118, Small Pox 111, Convulsions 95, Typhus 71, Teething 57, Measles 56, Whooping Cough 55, and Water on the Brain 33. Altogether these amount to 1507 deaths, whereof 993 were under 5 years of age.

The Zymotic Group—which, besides the Epidemics, includes the loss of 12 by Croup, of 23 by Puerperal and Rheumatic Fevers, and of 13 by Erysipelas—formed about

31 per cent. of the deaths. Numerically the 6 Epidemics proved fatal to 494 children under the age of 5, to 87 individuals between 5 and 20 years, and to 56 who had passed their twentieth year. Their virulency was greatest in the Autumn, and least in the Spring. In per centage their proportion was to the deaths 28·02, or 6 in excess of the Metropolitan rate. Small Pox raged fearfully, and destroyed 91 more than in 1858. It is difficult, and in fact impossible, to vaccinate every child, so many are the scruples against vaccination. "Some of the objections are excuses for negligence, others are based on a sort of fatalism," as was the case with the mother at Nottingham, who lost a child by Small Pox, and then declared to the Registrar that "she would rather lose half-a-dozen children by it than fly in the face of Providence in having one vaccinated." As a public vaccinator, I have met with similar cases myself. Measles carried off 35 fewer children than in the foregoing year. The severity of Scarlatina and Diphtheria, and of Whooping Cough also declined. Typhus, too, was much less destructive than in any of the years in which I have had to record its returns. One Death among every 1,544 persons occurred from it in London, and one among every 1,504 in Bethnal Green. On the other hand, the fatality of Diarrhœa increased, and swept off in the summer 160 of the 187 who died of it in 1859. Of the three classes, the Gentry suffered 1 out of every 8 deaths by Epidemics, the Tradesmen 1 in 3·5, and the Artisans also 1 in 3·5. Relatively, our Epidemic proportions with those of London and its East Districts make up Tables 5 and 6. Whooping Cough ranks highest in London, Scarlatina and Typhus in the East Districts, Small Pox, Measles, and Diarrhœa in Bethnal Green.

The "Diseases of variable or uncertain seat" destroyed 54 persons, 5 of whom died by various forms of Hœmorrhage, 22 by Dropsy, 13 by Cancer, and 3 by Mortification.

437 Deaths were occasioned by Tubercular Affections, to which Marasmus, or Wasting, Hydrocephalus, or Water on the Brain, and Consumption, "the inexorable destroyer of men and women in the prime of life," all belong. On the death roll of the Gentry, Consumption was fatal to 1 in 9; of the Tradesmen to 1 in 7; of the Artisans to 1 in 9. It attained its monthly maximum (29) in November, the next highest point (27) in March; its lowest point (14) in October, and the next lowest (17) in August. Above the age of 15, one in every 9·6 of the deaths arose from this cause. "A certain amount of consumption, probably about 1 in 7 of all deaths above 15 years of age, which is nearly the proportion occurring in the higher orders, and in the most healthy professions, may be considered as inevitable; but all above that proportion admits of prevention." Of all deaths Consumption formed throughout London 12·4 per cent., throughout Bethnal Green 11·7; while, from the living, 1 in 361 was cut off in London, and 1 in 401 in Bethnal Green.

In the Brain and Nerve class, Convulsions caused 95 deaths, Paralysis 51, Apoplexy 35, Epilepsy 15, and Delirium Tremens 2.

Heart Diseases, many of which terminated suddenly, took away from us 59.

To Diseases of the Respiratory Organs 350 deaths are ascribed. These with Consumption, out of every 10,000 persons, carried off 57·6. Per myriad, there die in London from these diseases 67·5; in England and Wales 55·2; and in Glendale, the far-famed, 21·6.

In the next, or Digestive Group, Teething removed 57; Complaints of the Intestinal Canal 15; Disorders of the Liver 18; and of the Stomach 8.

Affections of the Kidneys killed 15 persons; those referable to the class of Childbirth 20; those to the Joints 6, and to the Skin 4.

The next 5 classes which include the Malformations, the Premature Decay and Atrophy of Children, with Sudden Deaths and Old Age, caused a fatality of 194.

The Violent Deaths, the last in the classification, comprised 58.

Juries were summoned on the deaths of 76; of whom the children (16 Boys and 19 Girls) numbered 35, and the adults (27 males and 14 females) 41. The verdicts returned, read as below:—“Scalded,” 1; by “Train of Eastern Counties Railway,” 1; “Fracture of the Skull,” 1; “Wound of Head,” 1; “Coup de Soleil,” 1; “Effusion on the Brain,” 1; “Fungus Hæmatodes attacking scalp, side of face ear and eye,” 1; “Poison, from an infusion of herbs,” 1; “Wilfully Murdered,” 2 (Infants Newly Born, and thrown into Canal and Bonner’s Fields); by “Excessive Drinking,” 2; “Exhaustion from insufficient nourishment,” 3; by “Cut-Throats,” 3; “Hanging,” 4; “Falls,” 5; by “Accidental” and “Suicidal Drowning,” 6; “Found Dying,” or “Dead,” 8; “Accidentally Suffocated,” 15; and by “Natural” and “Sudden,” Deaths, 20 more. Those who committed suicide and thus “abandoned the post in which God placed them,” were 11, and consisted of a Female Unknown, a Cabinet Maker’s Wife, a Shoe Maker’s Wife, a Porter, a Warehouseman, a Dealer in Poultry, and 4 Weavers. The quantum is somewhat less than our ratio by population, for “the tendency to suicide is, in the metropolis in 100,000 persons, 12·6.” The youngest of the suicides was 31, and the eldest 79.

The Deaths in the Institutions of the Parish happened thus:—84 Males and 79 Females in the Workhouse; 24 Males and 20 Females in the Lunatic Asylum; 16 Males and 10 Females in the Consumption Hospital; 1 Male and 2 Females in the Trinity Ground; 1 Male in Parmiter’s Alms Houses; 1 Male at the Barracks in Globe Street; and 4 Males and 3 Females in the Model Lodgings in Columbia

Square. Specially in the Workhouse, Respiratory Diseases destroyed the most; Consumption ranked the next; Brain Affections carried off 22, and Epidemics 12. 21 Children fell below 5, and 25 Persons under 20 years; and in the second, third, fourth and fifth vicenniads, 18, 34, 79 and 7 of the Inmates died; two of whom lived to the age of 91, and 1 to 95. Enrolling all—Children and Adults—under the head of Avocation or Position, the Servants numbered 66, the Weavers 33, the Labourers 16, the Hawkers 5, the Shoemakers 4, the Carpenters 3, the Bakers 3, the Unknown 3; the Printers, Sawyers, Bricklayers, Binders, Laundresses and Seamstresses, each 2; whilst 1 Winder, 1 Stay-maker, 1 Dress-maker, 1 Charwoman, 1 Nurse, 1 Twine-Spinner, 1 Green-grocer, 1 Pipe-Maker, 1 Plasterer, 1 Tailor, 1 Dyer, 1 Draper, 1 Potman, 1 Carver, 1 Gunmaker, 1 Flutemaker, 1 Artist and 1 Orphan complete the list. At Christmas the Inmates consisted of 308 Men, 327 Women, and 217 Children; or of a total of 852, being 44 less than at a like period of 1858. The Out-door Paupers, on the other hand, were somewhat in excess—861 *vice* 764.

The Birth rate and its proportion to the living in each Sub-District was, as under stated:—

Sub-Districts	Births			Ratio to 1000 Living
	Males	Females	Total	
Hackney Road	512	490	1002	36·28
Green	593	569	1162	37·26
Church	519	501	1020	38·76
Town.....	464	455	919	42·29*
Totals.....	2088	2015	4103	

* This high ratio of 1 birth to every 23·6 persons implies that the population of the Town exceeds the sum of its Census Return.

As heretofore, the ratio of the Town stood the highest ; that of the Hackney Road the lowest of the four. In comparative longevity the mean lifetime ranked 1st, in the Green ; 2nd, in the Hackney Road ; 3rd, in the Church, and 4th, in the Town ; but after the 20th year, the average age reached its maximum in the Green, was less in the Hackney Road, lower in the Town, and at its minimum in the Church. Tables 4 and 9 contrast the Sub-District Ages, and the mortality in each. Severally the per centage on every 100 deaths was in the Hackney Road, 1·705 ; in the Church, 1·919 ; in the Town, 2·236 ; and in the Green, (including the Workhouse, Lunatic Asylum, Consumption Hospital, &c.,) 2·600. Rated by Epidemics, 1 death out of every 3·1 occurred in Sub-District 1 ; 1 in 5·4 in No. 2 ; 1 in 3·3 in No. 3 ; and 1 in 2·6 in No. 4. To every myriad of population, the rates by the Zymotic, Tubercular, and Respiratory Diseases are seen at a glance below :—

Sub-Districts	Deaths to 10,000 Living		
	Zymotic Class	Tubercular Class	Respiratory Class
Hackney Road.. .. .	62	28	28
Green	55	56	42
Church	62	36	28
Town	93	39	29

Arranged in their scale of sequence, the deaths below the age of 5 were to each 10,000—91, 103, 110, and 148. These figures with the respective death-rates show how superior health was in Hackney Road compared with health in the Town, and that the life-destroying forces differ greatly in degree.

The mortality of infants below 5 years was 1191 ; of indi-

viduals between 5 and 20 years, 184; of adults from 20 to 60, 546; and of those beyond 60, 352. In the first of these divisions there died at less than 3 months, 250; from 3 months to 6, 137; from 6 months to 12, 220; at 1—2, 312; at 2—3, 128; at 3—4, 87; and at 4—5 years, 57. Out of this infantile mortality “the functions of whose lives remain wholly unfulfilled”, the proportion dying under 1 year was to the births as 1 to 6·7. Below 5 years, of 100 living 7·567 per cent. or 1 out of every 13·21 infants died; while in 1838—44 the ratios were 8·565 per cent, or 1 out of every 11·67. As the mortality of these little children “increases as the social condition of the parents sinks” the advantage would be great were Day Nurseries instituted “where,” says Mr. Robertson, “women working from home may deposit their infants in the morning, return to suckle them at certain hours, and take them home again in the evening,” or where “if the child be weaned, it may be fed and amused, or if old enough instructed.” In the second division, 109 were cut off at 5—10, and 75 at 10—20 years: thus in the first vicenniad the death loss numbered 1375 and formed a per centage of 60·4. Among adults “the efficient part of the population” whose deaths “in a political point of view are of great importance” 250 were swept away at 20—40 and 296 at 40—60 years. If in the words of a former Report—‘to die between the ages 20—60 be to perish prematurely, then in addition to our large infantile loss’ out of 2273, 546 ‘were untimely deaths’. Those who lived over threescore and ten and reached “the broken arches of the bridge” amounted to 149, those beyond fourscore to 48, those above ninety years to 8; of whom 2 attained the age of 95. Respectively the Septuagenarians constituted 1 in 15 deaths; the Octogenarians, 1 in 57; the Nonagenarians, 1 in 284. By Table 8 the per centages of the dying to the living are given at seven ages and contrasted with the Table in 1858.

Balanced with the ratios of London in 1855, the difference of the annual mortality in Bethnal Green on every 1000 of population is at 20—40 minus 2; at 40—60 minus 6, at 60—80 minus 17; at 80—100 minus 100. These minima numbers (125) on the part of Bethnal Green agree with the Composition of Deaths at page 12 of my Report on 1858. where it is shown that compared with all London ‘124 more of our population died under 20 years and conversely 124 less at after ages.’

Table 10 points out the Professions or Occupations of the Male Adults. Of the numbers living in each Avocation in Bethnal Green at the Census of 1851, there died of Annuitants 1 in 12; of House Proprietors 1 in 13; of Gentlemen, Independent, 1 in 16; of Licensed Victuallers and Beer Shop Keepers 1 in 20; of Seaman 1 in 20; of Messengers and Porters 1 in 34; of Butchers 1 in 39; of Labourers 1 in 39; of Bakers 1 in 40; of Tailors 1 in 44; of Carpenters 1 in 47; of Bricklayers 1 in 50; of Painters, Plumbers and Glaziers 1 in 52; of Weavers 1 in 59; of Cowkeepers and Milksellers 1 in 62; of Cabinet Makers and Upholsterers 1 in 77; of Grocers 1 in 88; and of Shoemakers 1 in 109. The Statistics of both sexes of 147 Adult Weavers, show a loss by Epidemics of 1 in 9·8 deaths, and by Consumption, of 1 in 6·6; that 1 died of poison from taking herbs, 1 from want of nourishment; 1 by Carbuncle; 1 by Coup de Soleil; 1 by Cut-Throat; 1 by Drowning; 2 by Cancer; and 2 by Hanging;—that 40 passed over 70, 7 over 80, and 2 beyond 90 years; and that their mean age was 59·13.

Some of the places noted down before—as Sherwood Place, Thorold Square, Butler’s Buildings, Ely and Helen Places, John’s Court and Prospect Terrace—suffered a less mortality in 1859. In others, however, the per centage of the dying was far beyond the general rate; thus the depopu-

lation ranged per cent. from 3 in Turville Buildings to 5 in Sweet Apple Square, to 7 each in Lenham Buildings, and Elizabeth and Providence Places, to 8 in Hare Court and Miring's Place, on to 11 (through Scarlatina) in Accidental Place. And until many of these miserable abodes are erased from our map, depopulation will ever go on, and our death rate be inevitably beyond our deserts. But when erased their sites may be reclaimed, even as Miss Burdett Coutts has revived the wastes of Nova Scotia Gardens with the noble model terraces of Columbia Square.

The summary of the foregoing tells of Bethnal Green:—

1. That the death rate of the population, estimated either by the excess of Births over Deaths, or by Census returns, was less than the Metropolitan rate,

2. That the Epidemic rate, on the contrary, was much in excess.

3. That Fever was more and Consumption less destructive than in the London returns.

4. That the fatality of Children under 5 years of age fell from 83.5 per 1,000 in 1857, and from 82.6 in 1858 to 75.6 in 1859.

5. That the mean ages, total and adult, if compared with 1858, were slightly in defect, but that the mean lifetime was 2 years more.

I have next to lay before you the Sick Rolls of the Workhouse, and of the 5 out-door Divisions. In reference thereto, the 312 returns of the Medical Officers specify 6,510 new cases of Disease from January 2nd to December 31st, 1859. The gross amount is 262 less than in 1857, and 834 fewer than in 1858. 924 were attended in the Workhouse by Mr. Smart, 557 in the out-door division of Mr. Moore, 1,339 in the second part by Mr. Defriez, 1,065 in the third part by Mr. Vandenberg, 1,246 in the fourth part by Mr. Eagles, and

1,379 in the fifth part by Mr. Welch. Respectively, the Epidemics varied in force from 11.6 per cent. in the Workhouse to 21.3 in No. 1, to 28.9 in No. 4, to 30 in No. 2, and from 34.8 in No. 5, to a maximum in No. 3 of 37.5. Small Pox, Measles, Whooping Cough, and Fever predominated in the District of Mr. Defriez; Scarlet Fever and Diarrhœa in the practice of Mr. Welch. The ratio to the sum total was of Small Pox 1 in 17, of Measles 1 in 43, of Scarlet Fever 1 in 41, of Whooping Cough 1 in 90, of Diarrhœa 1 in 9, and of Fever 1 in 12 attacks. Besides the Epidemics, the Nosological Table No. 11, enumerates severally the Acute Pulmonary Inflammations, the cases of Erysipelas and Carbuncle, of Puerperal and Rheumatic Fevers, and of other forms of disease, with the deaths in each sub-division. One death occurred in every 14.7 cases, and one attack of Pauper illness to every 16.4 of the inhabitants of Bethnal Green. Several cases of Diarrhœa partook of the Choleraic character, but fortunately all got well. With respect to Fever, increase of sewerage and surface-drainage, more perfect scavenging, the paving of streets, and the purer supply of water, have materially diminished its physical causes, and reduced its amount from 2,084 continued cases* in 1837, to 683 in 1858, and 543 in 1859. "Wherever," says Dr. Southwood Smith, "the Commissioners of Sewers have not been, there Fever is prevalent; and, on the contrary, wherever they have been, there Fever is comparatively absent." Hence, from sanitary improvements, Fever now is much less than when Bethnal Green was all but undrained.

At the Dispensary, 2188 cases came under the care of the medical staff, and of these 474 had their diseases specified,

* Here, I beg to observe, and the same observation applies to former reports, that under the heading "Continued Fever, Typhus, and Typhoid," I have registered only the cases visited at home, and not those seen or prescribed for at the Surgery without attendance at the house.

while 1714 were not classified by name. Of the Specified, the Epidemics amounted to 138, Spitting and Vomiting of Blood to 7, Consumption and the Wasting of Children to 51, Diseases of the Heart to 18, Pulmonary Affections to 158, Brain Diseases to 21, and those of the Digestive Organs to 72; whilst 2 Fractures, 2 Dislocations, 3 cases of Carbuncle, and 3 of Diseased Knee Joints, occurred in the Surgery of the year.

The In and Out-Patients of the City of London Hospital for Diseases of the Chest were 341 and 8,304; and the inmates treated in the Guardian Asylum—namely, for Diarrhoea 6, Rheumatic Fever 3, Bronchitis and Catarrh 8, and for other diseases 4—were 21.

I regret that I am not able to supply the Sick List of Bethnal House Asylum, for the reason that I have not been so fortunate as to be favoured with the return.

I now pass to the sanitary improvements from March 26th, 1859, to March 25th, 1860. Foremost among these is the New Block of Sewers, No. 8, which comprises “the remainder of undrained streets in the parish, except such as will be interfered with by the Main Intercepting Sewers to be constructed by the Metropolitan Board of Works, and also except such streets as, under the provisions of the Metropolis Local Management Act, the owners are bound to drain.”

Next in importance is the work done within the Vaults. Invited by Mr. Grainger, the Government Inspector under the Burials Acts, I accompanied that gentleman to the vaults under the National Schools, St. John's and St. James the Less. The Orders in Council consequent on those inspections are subjoined:—

ORDER 1. —“That the Coffins contained in the Vaults under the National Schools attached to St. Matthew's Church, Bethnal Green, be covered with fresh earth and powdered

charcoal; that the existing entrance and ventilators be blocked up, and that two ventilating tubes be carried from the Vaults to the roof of the School." The underground area here described measured, in length, 47 feet; in breadth, 37; was subdivided into 4 public and 13 private Vaults, and contained 252 Coffins, 4 of which were without lead, and 3 in a leaking state. After the temporary suspension of scholastic duties and the free use of McDougal's Powder, the Coffins were deposited along the passages and floors, were covered over with 2 feet of earth, and finally surmounted with 3 inches of charcoal, 60 sacks of which were used. The entrance from the churchyard was then walled-up, all the original ventilators were bricked in, and two ventilating tubes—one on the northern and the other on the southern side—were carried outwards from the vaults, above the roof. Nothing, in a sanitary point of view, could so materially benefit the National Schools as this grand hygienic appliance in 1859.

ORDER 2. — "That the Coffins contained in the Vault beneath St. John's Church, Bethnal Green, be covered with 4 feet of earth, and that the entrance from the Porch be blocked up. 2. That the works be effected under the supervision of the Medical Officer of Health of the District, and that McDougal's Powder, Chlorine, or other disinfectant, be used whenever necessary." From this admirably ventilated Vault one Coffin was removed by friends, two were allowed to remain in a private vault, while the others, numbering eleven, were placed in the central gangway and embanked under 4 feet of earth. In addition the entrance from the Porch was filled-up with bricks. As only one infant was buried under St. James the Less, no order was issued or required.

'Deepening the Sewer in the Old Ford Road, and carrying it under the Regent's Canal, was another life-saving work;

whereby the areas of many houses are now drained which before were flooded and poisoned by mephitic gas. Great good also has been effected by abolishing the Cow Yard and Rubbish Depôt in Wilmot Street, and by erecting cottages on their site. The collection too of road mud, dust and dung, in the yard of Mr. Rook, by Gibraltar Walk has, through magisterial influence, been removed. The manufacture likewise of Manure under the Railway Arch, No. 87, which—though stopped two years ago, was re-established on a larger scale—is now altogether done away. And happily, manure is no longer baked at Digby Street in Baker's Yard. The Slaughter Houses have had due attention; Pig keeping in many instances has been prevented, and two cellar dwellings have been closed. Moreover, the carcass of a diseased cow about to be chopped into sausage meat was condemned, and cut up at a boiling-house for dogs.

A handsome Drinking Fountain, surmounted with the appropriate motto, "Health, Strength, and Peace flow from me," has been erected on the Green, and presented to the Parish by J. D. Link, Esquire.

Numerous nuisances from Boiling of Meat, Melting of Fat, and Smoking of Fish, have, as far as practicable, been remedied and abated. These, with the erection of 4 new houses in Hammond's Gardens, the paving of Fountain Alley and other parts, the filling up of the ditch in Bridge Road, the drainage of certain streets where water flowed in wet weather from the yards to the shops, where the soil was so damp that the fowls died "mildewed;" the re-supply of water to Prospect Terrace whence it was off some months; with the sewer, drain, cesspool, and other works in Table 12, constitute our Progress in 1859.

Though we know not how many lives sanitation has saved, nor what widowhood, orphanage, and pauperism it has cur-

tailed, yet, as we purify our houses within and without, and supply them with all the requirements of health, so must we, step by step, improve the physique of Bethnal Green. "The rate of death of a district represents the commercial value, in its widest sense, of its men, women, and children; its revelations are not simply of the actual loss of human life, but of the waste of human intellect and human strength." Such wastes, through morbid causes, imply with us an excess of 4 deaths per 1000 over the normal or healthy rate of 17; and such, more perfect hygiene can alone correct. "Any deaths in a people exceeding 17 in 1000 annually are unnatural deaths." That number, therefore, should be our maximum, and until that be attained our sanitary status will not rank high. If, however, our infantile death rate continue to fall 7 in the 1000 as was the case in 1859, we may hereafter expect our majority to glide off from life—like the Quakers of Great Britain wheresoever they dwell—not under 5 but between 70 and 80 years.

"To supply the arm strong to labour, to substitute productive for unproductive citizens," to decrease the death-roll of the young, and to protract life beyond its present span—these are the tasks that sanitary science imposes on us—these the duties that we have constantly to fulfill! These, moreover, will advance the prosperity of Bethnal Green, and confer on many

"Health till Death through ripe old age."

I have the honour to be,

GENTLEMEN,

With great respect,

Very faithfully yours,

SAMUEL PEARCE.

*To the Gentlemen of the Vestry of
St. Matthew, Bethnal Green.*

APPENDIX TO THE 5th REPORT;

Or, Tables of the Mortality and Progress of Bethnal Green, during the Year 1859.



1. London Weather and Deaths, with the relative Mortality of Bethnal Green.
2. Nosology of every Death.
3. Mean Ages of Gentry, Tradesmen, and Artisans.
4. Mean Ages in the 4 Sub-Districts.
5. Sub-District Epidemic Deaths.
6. Comparative Mortality by Epidemics in London, East Districts and Bethnal Green.
7. Workhouse Deaths.
8. Mortality at 7 Ages.
9. Vital Statistics of the 4 Sub-Districts.
10. Deaths according to Occupations.
11. Practice of the Poor-Law Medical Staff.
12. Synopsis of Sanitary Works.

TABLE I.

Showing the London Weather and Deaths, and the relative Mortality in Bethnal Green.

METEOROLOGY.										DEATHS.							
1859, Months.	Mean Reading of Barometer.	Mean Temperature of Air.	Mean Dew point Temperature.	Relative proportion of Wind.				Daily Horizontal Movement of Air.	Amount of Rain in Inches.	In Bethnal Green.			In London.				
				N.	E.	S.	W.			Total.	Annual percent- age of Deaths in Bethnal Green.	Epidemic.	Percentage of Epidemic to Total Deaths.	Total.	Annual percent- age of London Deaths.	Epidemic.	Percentage of Epidemic to Total Deaths.
	In.	°	°					Miles.	In.								
January ...	30·037	40·4	37·0	6	2	6	17	124	0·8	194		40		5476		1087	
February ...	29·823	43·1	37·6	2	1	6	19	150	0·9	208		35		4899		904	
March	29·806	46·4	40·0	7	0	5	19	130	1·3	198		50		5772		1038	
April	29·614	46·6	38·9	3	8	6	13	133	2·2	142		27		4618	2·229	782	
May	29·789	53·1	45·9	10	18	1	2	75	2·4	156	2·127	34		4263		749	
June	29·766	61·4	53·8	8	8	1	13	57	1·4	188		47	28·02	4843	or	883	21·95
July	29·937	68·1	58·3	5	5	10	11	57	3·3	230	or	114		5650		1807	
August	29·818	63·5	54·2	6	3	11	11	86	1·1	187		75		5038	1 Death	1748	
September ..	29·709	56·7	50·0	8	1	9	12	97	3·8	186	1 Death	60		5322		1419	
October ...	29·523	50·9	47·9	2	9	7	11	...	3·6	142		43		3856	in 45.	937	
November ...	29·824	42·1	38·3	3	8	12	7	...	2·9	174	in 47.	41		4773		919	
December ...	29·623	36·8	33·4	5	11	4	10	...	2·2	268		71		7107		1257	
Totals of year	29·772	50·8	44·6	65	74	78	145	...	25·9	2273		637		61617		13530	

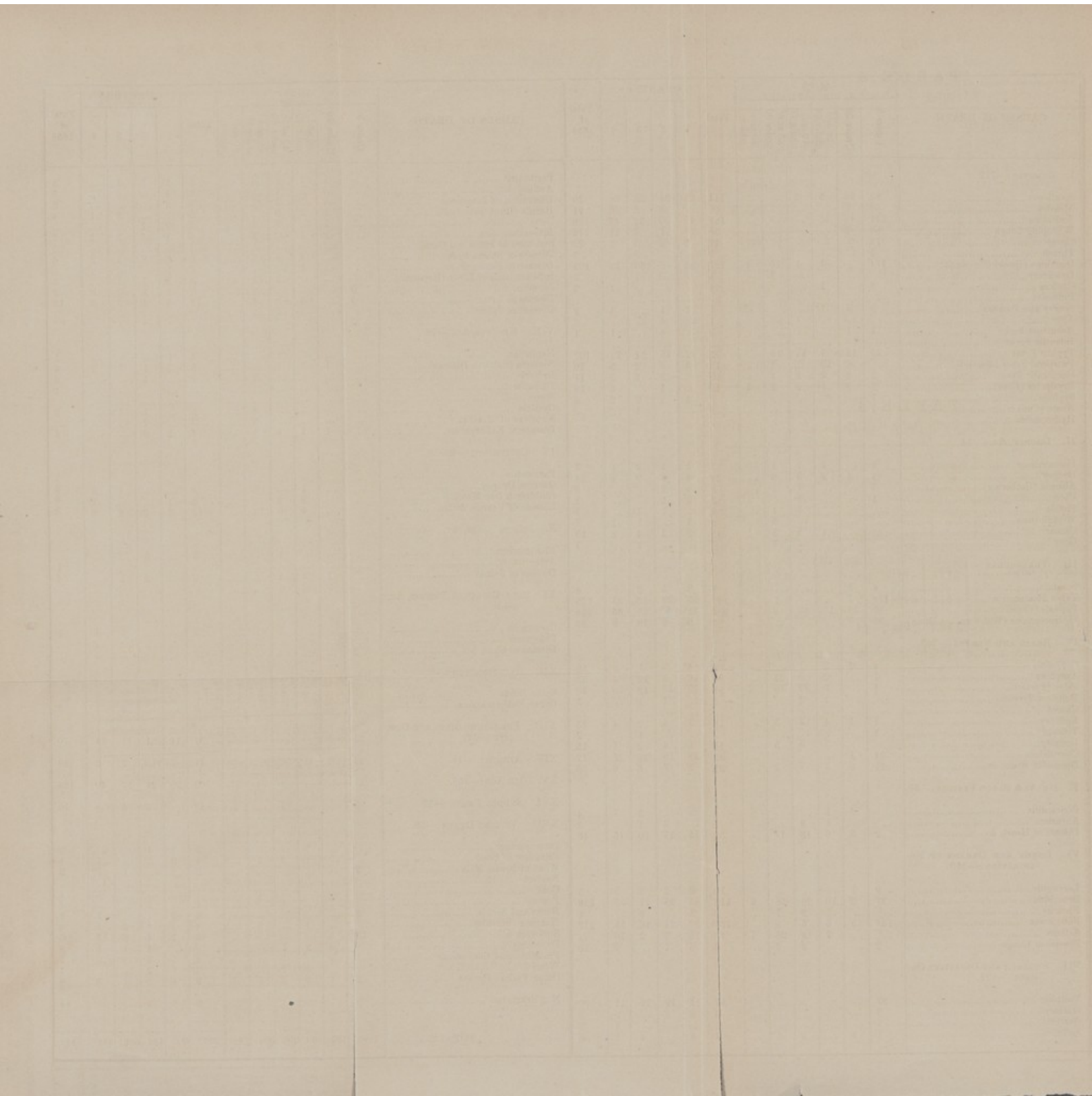


TABLE 3.

Mean Ages of Gentry, Tradesmen, and Artisans.

Classes	Nos. of Deaths	Years of Life				Mean Age at Death	Percentage of each Class to Total Deaths
		Yrs.	Mths.	Wks.	Days		
Gentry	55	3105	0	3	0	56·45	2·42
Tradesmen ...	620	14578	1	1	4	23·51	27·28
Artisans, La- bourers and Paupers ... }	1598	32720	11	3	1	20·47	70·30
Totals ...	2273	50404	1	3	5	22·17	100·00

TABLE 4.

Mean Ages in the 4 Sub-Districts.

Sub-Districts	Nos. of Deaths	Years of Life				Mean Age at Death
		Yrs.	Mths.	Wks.	Days	
Hackney Road.....	471	9462	2	2	6	20·08
Green	811	24261	9	2	6	29·91
Church.....	505	9553	4	1	5	18·91
Town	486	7126	9	0	2	14·66
Totals.....	2273	50404	1	3	5	22·17

TABLE 5.

Sub-District Epidemic Mortality in 1859.

Sub-Districts of Bethnal Green	Small Pox	Measles	Scarlatina	Whooping Cough	Diarrhoea	Typhus	Total of Epidemics	Percentage to Total Deaths
Hackney Road	25	8	46	11	46	15	151	
Green	19	16	39	10	44	22	150	
Church	30	12	31	18	42	18	151	28·02
Town	37	20	41	16	55	16	185	
Totals.....	111	56	157	55	187	71	637	

TABLE 6:

Comparative Mortality by Epidemics in London, East Districts, and Bethnal Green.

Epidemics	Percentages to Total Deaths		
	London	East Districts	Bethnal Green
Small Pox	1·8	2·6	4·8
Measles	2·1	1·8	2·4
Scarlatina	6·8	7·0	6·9
Whooping Cough	2·8	2·6	2·4
Diarrhoea	5·4	6·7	8·2
Typhus	2·9	3·4	3·1

TABLE 7.

Causes of, and Ages at, Death, in the Workhouse, Bethnal Green, during the 52 weeks ending December 31st, 1859.

Zymotic or Epidemic Class	Tubercular Class	Brain, Nerves, &c.	Heart, &c.	Respiratory Organs	Digestive Organs	Violence, Privation, &c.	All other Diseases	General Total
12	30	22	6	38	5	2	48	163
AGES								
0—1	1—5	5—10	10—20	20—40	40—60	60—80	80—100	General Total
11	10	2	2	18	34	79	7	163

TABLE 8.
Mortality at 7 Ages.

Ages	Numbers Living	Numbers Dying	Death Percentages	Death Percentages in 1858
0— 5 ...	15738	1191	7·567	8·268
5— 10 ...	13351	109	0·816	1·100
10— 20 ...	21322	75	0·351	0·325
20— 40 ...	32938	250	0·759	0·743
40— 60 ...	17588	296	1·682	1·675
60— 80 ...	5512	304	5·515	6·347
80—100 ...	387	48	12·403	21·578
Above 100 ...	1	...	...	...

TABLE 9.

Comparative Mortality, Causes of, and Ages at, Death, in each of the Sub-Districts of Bethnal Green, during the 52 weeks ending December 31st, 1859.

Sub-Districts.	CAUSES.								DEATHS.		
	Zymotic or Epidemic Class.	Tubercular Class.	Brain, Nerves, &c.	Heart, &c.	Respiratory Organs.	Digestive Organs.	Violence, Privation, &c.	All other Diseases.	Males.	Females.	General Total.
Hackney Road	171	79	49	14	78	24	5	51	228	243	471
Green	173	176	110	26	132	49	24	121	419	392	811
Church	164	97	42	14	76	29	15	68	250	255	505
Town	204	85	42	5	64	19	14	53	251	235	486
Totals	712	487	243	59	350	121	58	293	1148	1125	2273
Sub-Districts.	AGES.								DEATHS.		
	—1	1—5	5—10	10—20	20—40	40—60	60—80	80—100	Males.	Females.	General Total.
Hackney Road	132	122	35	18	46	55	54	9	228	243	471
Green	166	156	25	34	108	134	159	29	419	392	811
Church	151	141	24	11	58	58	53	9	250	255	505
Town	158	165	25	12	38	49	38	1	251	235	486
Totals	607	584	109	75	250	296	304	48	1148	1125	2273

TABLE 10.

Occupations of Males, aged 20 years and upwards, whose deaths were registered in Bethnal Green, during the 52 weeks ending December 31st, 1859.

OCCUPATIONS OF MALES AGED TWENTY AND UPWARDS.		Living in Bethnal Green at the census of 1851. Aged 20 & upwards	Deaths registered in the 52 weeks ending December 31st, 1859.					OCCUPATIONS OF MALES AGED TWENTY AND UPWARDS.		Living in Bethnal Green at the census of 1851. Aged 20 & upwards	Deaths registered in the 52 weeks ending December 31st, 1859.				
			Total	Ages at Death.							Total	Ages at Death.			
				Aged 20 & upwards	20-40	40-60	60-80 and upwards					Aged 20 & upwards	20-40	40-60	60-80 and upwards
Class								Class							
1. (1) Post Office.....	39	2	1	1				12. (2) Tallow Chandler	79	1				3	
Customs.....	77	1		1				Comb Maker.....	49	3		2	1		
(3) East India Service	58	1			1			(3) Skinner	2	1		1			
2. (1) Soldier	13	3	1	2				Currier	50	2	2				
Chelsea Pensioner	44	2		2				(5) Hair Manufacture	51	1			1		
3. (2) Solicitor	16	1		1				Brush and Broom Maker	109	2	1		1		
(3) Other Medical Men	8	1	1					(7) Silk Manufacture	4356	73	9	28	34		
(5) Law Clerk	54	1		1				13. (1) Green Grocer	120	2		1			
4. (1) Editor, Writer	7	1		1				Corn Merchant.....	41	1	1				
(2) Painter (Artist)	23	2	1	1				Miller	16	2	1		1		
(4) Schoolmaster.....	46	1		1				Baker.....	363	9	1	4	2		
6. (2) Inn Servant	104	3	1	1	1			Confectioner.....	92	1		1			
(3) Hatter	106	4	1	2	1			(2) Brewer	128	10	2	4	3		
Tailor.....	351	8	2	4	2			Licensed Victualler, Beer Shop							
Hosier, Haberdasher	23	1	1					keeper	208	11	4	3	4		
Shoemaker	1643	15	5	7	3			Sugar Refiner	11	1	1				
Others providing dress	212	1	1					Grocer	177	2	2				
7. (1) House Proprietor	78	6	1	4	1			Tobacconist	45	2	2				
Salesman	13	2		1	1			(3) Oil and Colourman	69	3	2		1		
Accountant	38	1	1					French Polisher	78	1	1				
Commercial Clerk	173	6	2	3	1			(4) Timber Merchant.....	38	1		1			
Commercial Traveller.....	45	4	1	2	1			Other Dealers, Workers in							
Hawker, Pedlar	190	7	2	4	1			Timber.....	63	2		2			
Other General Dealers & Agents	146	4		3	1			(5) Cork Cutter	52	2		1	1		
8. (2) Coach Cabowner	9	3	2	1				(6) Sawyer	148	6		2	3		
Carman, Carrier, Carter, Drayman	280	7		5	2			(7) Cabinet Maker, Upholsterer ...	614	8	4	3	1		
Others engaged in Road Con-								Turner	172	4	1	3			
veyance	60	1	1					Chair Maker	234	5	2	2	1		
(4) Seaman	100	5		4	1			Box Maker	117	2			2		
Others connected with Sea								Others dealing in Wood Fur-							
Navigation	472	2	1		1			niture	109	1	1				
Dock Service, Dock Labourer		5	3	1		1		(8) Cooper	186	2		1	1		
(5) Engaged in Warehousing	147	3	2	1				(11) Rope Maker	123	2	1		1		
(6) Messenger, Porter	446	13	3	3	7			Other Workers, Dealers in							
9. (1) Farmer	15	1		1				Hemp	72	3	1		2		
Agricultural Labourer(out-door)	73	2		2				(12) Draper	75	1			1		
(3) Gardener	65	2			1	1		Cotton Manufacture	17	1		1			
10. (1) Farrier, Veterinary Surgeon ...	39	2	2					Packer and Dresser.....	1	1	1				
Drover	30	1		1				(13) Stationer	52	4	4				
11. (1) Publisher, Bookseller	42	1	1					Other Paper Workers, Dealers	38	1		1			
Bookbinder	54	2	2					(1) Chimney Sweeper	14	1		1			
Printer	168	10	8	2				(2) Brick Maker.....	42	1		1			
(3) Musical Instrument Maker ...	43	1			1			Road Labourer.....	8	3	1	2			
(7) Civil Engineer	1	1	1					(4) Glass Manufacture	73	2	1		1		
(9) Philosophical Instrument								(8) Goldsmith, Silversmith	69	1			1		
Makers and Dealers	78	1			1			Carver, Gilder	97	6	4	1	1		
(10) Gunsmith	51	2			2			(13) Brass Founder	67	3	1		1		
(12) Coachmaker	87	1		1				(14) Iron Manufacture	53	2		1	1		
Others connected with Carriage								Whitesmith	36	3	2	1			
making		3		3				Blacksmith	189	1	1				
(13) Saddler	29	1	1					File Maker	8	1		1			
(15) Surveyor	5	1			1			15. (1) Labourer (branch undefined)...	1010	26	5	11	10		
Carpenter, Joiner.....	572	12	2	5	5			(2) Mechanic, Manufacturer, Shop-							
Bricklayer.....	452	9	3	3	3			man (branch undefined) ...	12	5	2	1	2		
Mason, Pavior	72	2		1	1			Others of indefinite Occupation	9	2	1	1			
Plasterer	95	3	1	1	1			16. (1) Gentleman, Independent.....	32	2			1		
Painter, Plumber, Glazier	367	7	6	1				Annuitant.....	75	6		1	3		
(17) Dyer, Scourer, Calenderer	119	2			2			Lunatic Attendant		1		1			
12. (1) Cowkeeper, Milkseller	124	2	1	1				Persons of no stated occupa-					1		
Cheesemonger	57	1		1				tion or Condition.....	221	4	2	1	1		
Butcher	275	7	2	4	1										
Poulterer	32	1		1											
Others dealing in Animal Food	70	2		1	1										
Carried forward	8035	197	61	80	53	3		TOTAL	18205	441	125	165	136	15	

TABLE 10

Occupations of Males, aged 20 years and upward, whose deaths were registered in Boston from January 1, 1900, to December 31, 1900, ending December 31, 1900

OCCUPATIONS	Deaths registered in the 52 weeks ending December 31, 1900		Deaths registered in the 52 weeks ending December 31, 1900	OCCUPATIONS		Deaths registered in the 52 weeks ending December 31, 1900
	Total	Age at Death		Total	Age at Death	
Carried forward	107	61.96	107	61.96	107	61.96
Others dying in Annual Report	70	1.11	70	1.11	70	1.11
Physician	32	0.48	32	0.48	32	0.48
Butcher	22	0.33	22	0.33	22	0.33
Chamberlain	21	0.31	21	0.31	21	0.31
12 (1) Cooks and Milliners	14	0.21	14	0.21	14	0.21
12 (2) Cooks and Milliners	14	0.21	14	0.21	14	0.21
17 (1) Dress Makers	13	0.19	13	0.19	13	0.19
17 (2) Dress Makers	13	0.19	13	0.19	13	0.19
17 (3) Dress Makers	13	0.19	13	0.19	13	0.19
17 (4) Dress Makers	13	0.19	13	0.19	13	0.19
17 (5) Dress Makers	13	0.19	13	0.19	13	0.19
17 (6) Dress Makers	13	0.19	13	0.19	13	0.19
17 (7) Dress Makers	13	0.19	13	0.19	13	0.19
17 (8) Dress Makers	13	0.19	13	0.19	13	0.19
17 (9) Dress Makers	13	0.19	13	0.19	13	0.19
17 (10) Dress Makers	13	0.19	13	0.19	13	0.19
17 (11) Dress Makers	13	0.19	13	0.19	13	0.19
17 (12) Dress Makers	13	0.19	13	0.19	13	0.19
17 (13) Dress Makers	13	0.19	13	0.19	13	0.19
17 (14) Dress Makers	13	0.19	13	0.19	13	0.19
17 (15) Dress Makers	13	0.19	13	0.19	13	0.19
17 (16) Dress Makers	13	0.19	13	0.19	13	0.19
17 (17) Dress Makers	13	0.19	13	0.19	13	0.19
17 (18) Dress Makers	13	0.19	13	0.19	13	0.19
17 (19) Dress Makers	13	0.19	13	0.19	13	0.19
17 (20) Dress Makers	13	0.19	13	0.19	13	0.19
17 (21) Dress Makers	13	0.19	13	0.19	13	0.19
17 (22) Dress Makers	13	0.19	13	0.19	13	0.19
17 (23) Dress Makers	13	0.19	13	0.19	13	0.19
17 (24) Dress Makers	13	0.19	13	0.19	13	0.19
17 (25) Dress Makers	13	0.19	13	0.19	13	0.19
17 (26) Dress Makers	13	0.19	13	0.19	13	0.19
17 (27) Dress Makers	13	0.19	13	0.19	13	0.19
17 (28) Dress Makers	13	0.19	13	0.19	13	0.19
17 (29) Dress Makers	13	0.19	13	0.19	13	0.19
17 (30) Dress Makers	13	0.19	13	0.19	13	0.19
17 (31) Dress Makers	13	0.19	13	0.19	13	0.19
17 (32) Dress Makers	13	0.19	13	0.19	13	0.19
17 (33) Dress Makers	13	0.19	13	0.19	13	0.19
17 (34) Dress Makers	13	0.19	13	0.19	13	0.19
17 (35) Dress Makers	13	0.19	13	0.19	13	0.19
17 (36) Dress Makers	13	0.19	13	0.19	13	0.19
17 (37) Dress Makers	13	0.19	13	0.19	13	0.19
17 (38) Dress Makers	13	0.19	13	0.19	13	0.19
17 (39) Dress Makers	13	0.19	13	0.19	13	0.19
17 (40) Dress Makers	13	0.19	13	0.19	13	0.19
17 (41) Dress Makers	13	0.19	13	0.19	13	0.19
17 (42) Dress Makers	13	0.19	13	0.19	13	0.19
17 (43) Dress Makers	13	0.19	13	0.19	13	0.19
17 (44) Dress Makers	13	0.19	13	0.19	13	0.19
17 (45) Dress Makers	13	0.19	13	0.19	13	0.19
17 (46) Dress Makers	13	0.19	13	0.19	13	0.19
17 (47) Dress Makers	13	0.19	13	0.19	13	0.19
17 (48) Dress Makers	13	0.19	13	0.19	13	0.19
17 (49) Dress Makers	13	0.19	13	0.19	13	0.19
17 (50) Dress Makers	13	0.19	13	0.19	13	0.19
17 (51) Dress Makers	13	0.19	13	0.19	13	0.19
17 (52) Dress Makers	13	0.19	13	0.19	13	0.19
17 (53) Dress Makers	13	0.19	13	0.19	13	0.19
17 (54) Dress Makers	13	0.19	13	0.19	13	0.19
17 (55) Dress Makers	13	0.19	13	0.19	13	0.19
17 (56) Dress Makers	13	0.19	13	0.19	13	0.19
17 (57) Dress Makers	13	0.19	13	0.19	13	0.19
17 (58) Dress Makers	13	0.19	13	0.19	13	0.19
17 (59) Dress Makers	13	0.19	13	0.19	13	0.19
17 (60) Dress Makers	13	0.19	13	0.19	13	0.19
17 (61) Dress Makers	13	0.19	13	0.19	13	0.19
17 (62) Dress Makers	13	0.19	13	0.19	13	0.19
17 (63) Dress Makers	13	0.19	13	0.19	13	0.19
17 (64) Dress Makers	13	0.19	13	0.19	13	0.19
17 (65) Dress Makers	13	0.19	13	0.19	13	0.19
17 (66) Dress Makers	13	0.19	13	0.19	13	0.19
17 (67) Dress Makers	13	0.19	13	0.19	13	0.19
17 (68) Dress Makers	13	0.19	13	0.19	13	0.19
17 (69) Dress Makers	13	0.19	13	0.19	13	0.19
17 (70) Dress Makers	13	0.19	13	0.19	13	0.19
17 (71) Dress Makers	13	0.19	13	0.19	13	0.19
17 (72) Dress Makers	13	0.19	13	0.19	13	0.19
17 (73) Dress Makers	13	0.19	13	0.19	13	0.19
17 (74) Dress Makers	13	0.19	13	0.19	13	0.19
17 (75) Dress Makers	13	0.19	13	0.19	13	0.19
17 (76) Dress Makers	13	0.19	13	0.19	13	0.19
17 (77) Dress Makers	13	0.19	13	0.19	13	0.19
17 (78) Dress Makers	13	0.19	13	0.19	13	0.19
17 (79) Dress Makers	13	0.19	13	0.19	13	0.19
17 (80) Dress Makers	13	0.19	13	0.19	13	0.19
17 (81) Dress Makers	13	0.19	13	0.19	13	0.19
17 (82) Dress Makers	13	0.19	13	0.19	13	0.19
17 (83) Dress Makers	13	0.19	13	0.19	13	0.19
17 (84) Dress Makers	13	0.19	13	0.19	13	0.19
17 (85) Dress Makers	13	0.19	13	0.19	13	0.19
17 (86) Dress Makers	13	0.19	13	0.19	13	0.19
17 (87) Dress Makers	13	0.19	13	0.19	13	0.19
17 (88) Dress Makers	13	0.19	13	0.19	13	0.19
17 (89) Dress Makers	13	0.19	13	0.19	13	0.19
17 (90) Dress Makers	13	0.19	13	0.19	13	0.19
17 (91) Dress Makers	13	0.19	13	0.19	13	0.19
17 (92) Dress Makers	13	0.19	13	0.19	13	0.19
17 (93) Dress Makers	13	0.19	13	0.19	13	0.19
17 (94) Dress Makers	13	0.19	13	0.19	13	0.19
17 (95) Dress Makers	13	0.19	13	0.19	13	0.19
17 (96) Dress Makers	13	0.19	13	0.19	13	0.19
17 (97) Dress Makers	13	0.19	13	0.19	13	0.19
17 (98) Dress Makers	13	0.19	13	0.19	13	0.19
17 (99) Dress Makers	13	0.19	13	0.19	13	0.19
17 (100) Dress Makers	13	0.19	13	0.19	13	0.19
TOTAL	107	61.96	107	61.96	107	61.96

TABLE 11.

New Cases of Disease attended by the Poor Law Medical Staff,
during the year 1859.

DISTRICTS.	1	2	3	4	5	Work-house-	TOTAL.
Small-pox	7	121	61	83	93	3	368
Chicken-pox	4	5	1	2	3	...	15
Measles	12	67	20	11	39	...	149
Scarlatina	4	15	39	27	71	...	156
Whooping-cough	2	29	12	16	13	...	72
Croup .....	...	...	...	1	1	...	...
Diarrhœa	45	134	147	147	198	33	704
Dysentery	1	4	...	...	3	...	8
Cholera .....	...	...	...	...	...	...	...
Ague .....	...	...	...	1	1	...	2
Continued Fever	69	137	121	77	67	72	543
Rheumatic Fever	7	9	6	23	18	6	69
Erysipelas	4	9	3	14	9	8	47
Delirium Tremens .....	...	...	...	...	...	...	...
Insanity	5	8	5	8	14	36	76
Bronchitis and Catarrh	31	110	33	92	152	8	426
Diphtheria .....	...	7	3	...	3	...	13
Pleurisy	4	6	5	25	6	...	46
Pneumonia	24	15	10	23	18	9	99
Puerperal Fever .....	...	...	...	2	...	...	2
Pyæmia .....	...	...	...	...	...	...	...
Carbuncle	2	3	...	1	4	...	10
	221	679	466	553	713	175	2807
All other Diseases	336	660	599	693	666	749	3703
Total	557	1339	1065	1246	1379	924	6510
Deaths	7	44	37	119	71	163	441

TABLE 12.

Synopsis of Sanitary Works,* from March 26th, 1859, to
March 25th, 1860.

1. ARRANGED IN WARDS.			
Wards	Houses Inspected	Drains Constructed	Drains Trapped
North	156	79	81
South	182	66	76
East.....	74	35	65
West	202	114	120
Totals	614	294	342
Wards	Drains Improved	Cesspools filled up	Cesspools emptied
North	42	98	4
South	36	46	17
East.....	16	58	9
West	78	124	11
Totals	172	326	41
Wards	Privies altered to Water Closets	New Closets constructed	Dust Removals
North	110	7	3143
South	59	13	2987
East.....	60	5	2629
West	130	36	2431
Totals	359	61	11,190
2. MISCELLANEOUS.			
Sewer Blocks constructed	Sewer Ventilators made	Gullies Flushed	Gullies Trapped and made
No. 1	Nos. 12	Nos. 878	Nos. 144
Houses connected with Sewers	New Manholes		Total Works
Nos. 343	Nos. 52		Nos. 14,829
3. ABOUT TO BE COMMENCED.			
Sewerage Block, No. 9.			

* For the figures I am indebted to the Surveyor and Inspector, to whom I beg to return my thanks.