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ANNUAL REPORT

ON

THE HEALTH

OF THE

COUNTY BOROUGH OF NEWPORT,

FOR THE YEAR 1920,

WITH STATISTICAL TABLES FOR 1919 & 1920.

BY THE

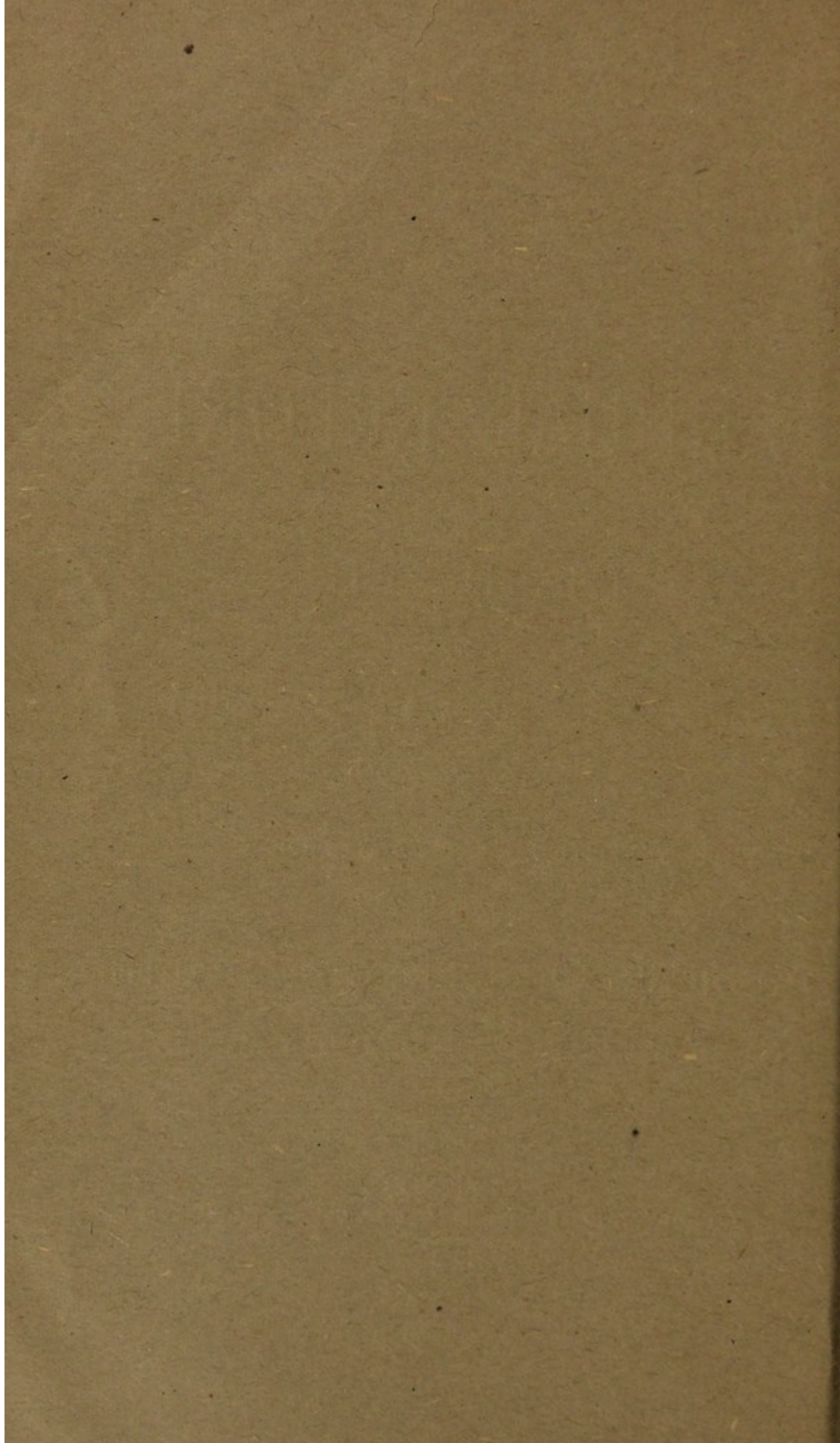
MEDICAL OFFICER OF HEALTH,

J. HOWARD JONES, M.D., D.Sc., C.M., T.D.

NEWPORT:

PRINTED BY W. JONES, CAMBRIAN WORKS, COMMERCIAL STREET.

1922





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COUNTY BOROUGH OF NEWPORT

HEALTH COMMITTEE.

Chairman :

COUNCILLOR W. EVANS.

Deputy-Chairman :

ALDERMAN COLONEL W. CLIFFORD PHILLIPS.

THE MAYOR (Coun. PETER WRIGHT)	COUNCILLOR W. E. ROBERTSON
ALDERMAN McGINN	" C. ROBERTSON
COUNCILLOR LLOYD DAVIES	" A. M. JAMES
" PARFITT	" COLBORNE
" LEWIS	" LAWLOR
" LINTON	" A. T. W. JAMES
" E. DAVIES	" GRIFFITHS
" D. J. EVANS	" W. H. B. WILLIAMS

MATERNITY AND CHILD WELFARE COMMITTEE.

Chairman :

COUNCILLOR W. EVANS, J.P.

Deputy Chairman :

COUNCILLOR W. A. LINTON.

All the Members of the Health Committee.

Co-opted Members :

MRS. H. E. BARRETT	MRS. E. JOYCE
" H. CATTELL	" N. PADGET
" BONN JONES	" E. WRING
MRS. S. WILLIAMS.	

HOUSING COMMITTEE.

Chairman :

COUNCILLOR PARFITT.

Deputy-Chairman :

COUNCILLOR W. E. ROBERTSON.

THE MAYOR (Coun. PETER WRIGHT)	COUNCILLOR CLISSITT
COUNCILLOR W. EVANS	" A. T. W. JAMES
" LEWIS	" QUICK
" E. DAVIES	" GRIFFITHS
" C. F. WILLIAMS	" HUMPHRIES
" LAWLOR	" O'BRIEN
" A. JONES	" W. H. B. WILLIAMS

VENEREAL DISEASES COMMITTEE.

Chairman :

COUNCILLOR W. A. LINTON.

Representing the Corporation :

ALDERMAN COL. W. CLIFFORD PHILLIPS COUNCILLOR W. E. ROBERTSON
" MCGINN " COLBORNE
COUNCILLOR W. EVANS " GRIFFITHS
COUNCILLOR D. J. EVANS

Representing the Medical Profession :

SIR A. GARROD THOMAS DR. S. HAMILTON.
DR. JONES GREER

Representing Social Workers :

REV. D. H. GRIFFITHS REV. E. WALROND SKINNER
" D. HICKEY " THOS. WRIGHT (Seamen)

HEALTH DEPARTMENT.

Medical Officer of Health :

J. HOWARD JONES, M.D., D.Sc., C.M., T.D.

Lady Medical Officer (M. & C.W.)

MRS. M. A. BENNER, M.B., CH.B.

Secretary Maternity & Child Welfare & Venereal Diseases Committee :

PERCY E. JONES.

Urban Sanitary Inspector :

SPENCER E. JONES, CERT. ROYAL SANITARY INSTITUTE.

Assistant Inspectors :

HERBERT SMITH, CERT. ROYAL SANITARY INSTITUTE.

W. CHARLES	"	"	"	"
W. POWELL	"	"	"	"
E. J. DAVIES	"	"	"	"

Health Visitors :

Miss W. K. WILLEY, CERT. ROYAL SANITARY INSTITUTE, L.O.S.	
Miss M. TAYLOR.	Miss G. A. HARRIS, C.M.B.
" B. E. M. C. EVANS, C.M.B.	" G. I. WALDRON, C.M.B.
" A. J. BURTON.	Mrs. F. M. LOCK, C.M.B., CERT. R. SAN. INST.

Clerks :

CHIEF AND STATISTICAL—PERCY E. JONES.
2nd CLERK & LAB. ASST.—W. H. M. JONES.
3rd E. de LLOYD 4th W. J. CROKER
5th W. H. MORRIS 6th L. H. HARPER
7th W. H. NOCK.

House Disinfectors :

F. J. KEYES.

ALLT-YR-YN ISOLATION HOSPITAL—Matron : Miss F. SIMPSON.

CEFN (SMALL POX) HOSPITAL—Caretaker : A. E. WALKER.

SUMMARY OF VITAL AND MORTAL STATISTICS FOR 1919 & 1920.

Area of Borough (Land and Inland Water)...	4,504 acres	(1911 census figures)	
	1920.	1919.	
Population (Registrar General's estimates) ...	90,728	... 87,251	
		(for deaths 90,890)	
Density ... (persons per acre) ...	18.07	... 17.88	
Inhabited Houses (estimated) ...	15,541	... 15,538	
Average number of occupants per house ...	5.84	... 5.61	
Uninhabited Houses (voids) (estimated) ...	Nil	... Nil	
New Dwelling Houses rated (Less Old Houses pulled down) ...	8	... Nil	
Births (nett) ... No.	2,625	... 2,011	
	Rate	28.93 ... 22.12	
Deaths (corrected for Non-Residents) No.	1,126	... 1,124	
	Rate	12.41 ... 12.88	
Infant Deaths (Do.) No.	203	... 161	
	Rate per 1,000 Births	77.3 ... 80.0	
Total Zymotic Death Rate (including Tuberculosis) ...	3.08	per 1,000 per annum 2.98	
Death Rate from 7 principal Zymotic Diseases	1.30	do. .89	

COUNTY BOROUGH OF NEWPORT.

HEALTH DEPARTMENT,

TOWN HALL, NEWPORT.

To the Chairman and Members of the Health Committee.

GENTLEMEN,

I beg to submit my Annual Report for the year 1920. It is made in accordance with the Memorandum of the Ministry of Health.

POPULATION.

A reliable estimate of the population for the year is a difficult matter, owing to the effect of the War upon the district. The Registrar General's estimate was 90,728 (June, 1920). If the annual rate of increase during the decennial period 1901-1911 had been maintained the population in 1920 would have been 98,964. The births exceeded the deaths by 1,465. The estimated population density per acre and average per inhabited house is given in Table 1 of this Report.

In Tredegar Ward the number per acre was 95.34 persons. Lliswerry and Alexandra Wards contain large areas of undeveloped land and Docks, respectively, which must be taken into account in comparing the density of the population.

The Physical Features and General Character of the District have been referred to in previous reports.

CHIEF OCCUPATIONS OF THE INHABITANTS.

The special industries of the town are Shipping, Ship-repairing, Sea-faring, Steel works (including Galvanised sheet manufacturing), Weldless Steel Tube making, Malleable Iron industries, Nail making, Wire works, General and Marine Engineering works, Chemical works, Glass manufacturing and Brick making, Patent Fuel works, Timber yards, Wood Pickling works, and Flour mills.

A considerable number of coal miners working in the neighbouring coalfields live in the town.

The effects of local occupations upon health are those associated with working in hot atmospheres combined with severe muscular efforts in rolling mills, etc.

MATERNITY AND CHILD WELFARE.

The nett number of births registered in the Borough during 1920 was 2,625 (1,328 boys and 1,297 girls), and the birth rate was 28.93 per 1,000 of the population, compared with an average of 27.4 during the five years 1910-14, and with 21.88 during the quinquennial period 1915-19. The birth rate in England and Wales during 1920 was 25.4. The number of births registered was the highest ever recorded in Newport. The figures for the last four years were as follows :—

YEAR	TOTAL BIRTHS REGISTERED				ILLEGITIMATE BIRTHS	
	Males	Females	Total	Rate	Number	Percentage of Total Births
1917	928	856	1784	19.35	59	3.3
1918	946	890	1836	20.11	80	4.3
1919	1058	953	2011	22.12	77	3.8
1920	1328	1297	2625	28.93	75	2.8

The illegitimate births have been somewhat higher than they were pre-war (3.6 in 1913, 2.2 in 1914, and 2.4 in 1915), but the 1920 figures show a reduction approaching previous averages.

NOTIFICATION OF BIRTHS ACTS, 1907 AND 1915.

The number of live births that actually occurred in the town during the calendar year 1920 was 2,681. All but 85 were duly "notified," *i.e.*, 96.9 per cent. The still births notified numbered 96, plus 8 miscarriages. The figures for the years 1917-1920 were as follows :—

	1917.	1918.	1919.	1920.
Births Notified and Registered	1688	1732	1990	2595
„ Registered but not Notified	65	49	41	85
„ Notified but not Registered	1	—	—	1
Total Live Births	1754	1781	2031	2681
Still Births Notified	85	47	99	96
Miscarriages	7	7	10	8
Twin Births (No. of Children)	52	58	58	70
	(plus 3 Triplets)			

INFANT MORTALITY.

203 infants died before reaching 12 months of age, which is in the proportion of 77.3 per 1,000 births, compared with 80.05 in 1919, and with 93.1 and 105.2 during the past 5 years and 10 years, respectively. In England and Wales the rate during 1920 was 80, and in the 96 Great Towns, 85. The rate of 77.3 was the lowest ever recorded in Newport. The chief causes of death and their variation from year to year will be seen in the table given below. During the past 3 years, deaths from Tuberculosis almost disappeared. The increase in deaths from venereal diseases is remarkable, but is probably due to more correct diagnosis.

INFANTILE DEATH RATES.

CAUSES OF DEATHS OF INFANTS IN VARIOUS GROUPS OF DISEASES.

Table shows percentage to total Infant Deaths.

	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920
Common Infectious Diseases ...	9.1	5.6	7.6	3.1	7.1	1.8	11.9	2.3	7.6	3.7	9.0	1.9	6.4
Diarrhoeal Diseases...	10.9	14.7	13.4	26.7	6.5	19.5	10.8	13.9	9.0	6.9	6.0	9.3	10.3
Wasting Diseases and Prematurity ..	29.7	26.5	30.8	28.1	29.2	34.3	29.4	23.6	32.7	37.5	31.9	38.5	33.0
Congenital Defects, Injury at Birth, and Atelectasis	8.5	7.0	9.7	4.9	5.9	7.4	4.1	3.7	8.0	8.1	6.0	8.7	4.9
Tuberculous Diseases	2.1	2.4	1.8	4.6	1.6	3.3	1.1	4.1	3.3	1.2	—	.6	—
Convulsions ...	12.9	16.7	10.1	14.1	14.2	11.0	13.4	14.8	14.2	9.4	10.2	8.7	12.8
Bronchitis and Pneumonia ..	12.9	14.7	13.0	13.0	24.5	10.0	20.1	24.0	10.4	15.6	26.5	19.2	19.7
Venereal Diseases ...	.6	1.0	2.5	1.0	1.2	.7	.7	.9	1.4	.6	.6	.6	2.5
All Other Causes ...	12.9	11.2	10.9	4.2	9.5	11.8	8.2	12.6	13.2	16.9	9.6	12.4	10.3
Inquests...	7.7	8.7	5.4	4.9	9.1	6.2	4.8	5.1	6.1	4.4	4.2	3.1	2.5
Uncertified Deaths ...	.9	.7	.4	1.0	1.5	1.1	.7	.5	.5	1.2	1.2	1.9	.5

Mortality among illegitimate infants—The death rate was 120 per 1,000 of such births, compared with 116.8 in 1919, 87.5 in 1918, 152.5 in 1917, and 356.1 in 1916. The causes of death in 1920 were as follows:—Broncho Pneumonia, 3; Debility, 2; Syphilis, 2; Cerebro Spinal Fever, 1; and Whooping Cough, 1; most of them preventible diseases.

The separation of the mother from the child and the cessation of breast feeding are largely responsible for the excessive mortality among such infants. The establishment of such an Institution as the Home for Unmarried Mothers at Nantyderry is a step in the right direction, not only in the interests of the child, but also on account of its beneficial effects upon the mothers utilising the Institution.

AGE AT DEATH.

There has been only a slight improvement in the death rate during the first month of life; but there has been a progressive improvement from 1 to 12 months of age; for instance, the death rate 9 to 12 months in 1920 was 6.9, compared with an average of 13 during the period 1910-1919.

These figures point to improve hygiene during infancy. The deaths during the first week of life depend largely upon the Ante-Natal conditions, and those at child birth.

Improvement will take place only after much work in the direction of improving the health of the expectant mother.

More satisfactory arrangements for the care of lying in mothers are also necessary.

10 mothers died from "Diseases and accidents of pregnancy and parturition," i.e., 3.8 per 1,000 births. 6 of these were due to Puerperal Fever; which was the highest number of deaths recorded in Newport from this disease for many years. A similar rise was recorded in the Country generally. 12 cases of Puerperal Fever were notified, and although 6 recovered, the disease generally leads to more or less chronic invalidity.

5 cases occurred among those primarily under the charge of midwives (3.0 cases of Puerperal Fever per 1,000 births), and 7 occurred among patients primarily under the care of doctors (6.0 per 1,000 births).

The very unsatisfactory conditions obtaining at a large number of houses owing to over-crowding, was probably partly responsible for the increased prevalence of Puerperal Fever. Such cases, however, will occur until all confinements are treated with that surgical asepsis which is recognised as absolutely essential in all surgical operations.

SUPERVISION OF MIDWIVES.

There were 34 on the Register at the end of 1919, 4 gave up practice in the town and 9 new names were added; consequently there were 39 midwives in practice in the town in 1920.

The births attended by midwives alone were 1,176, or 42.3 per cent. of total births, compared with 43.1 in 1919. The proportion of such cases is gradually diminishing from year to year.

The gross live births during 1920 were 2,681, there were in addition 96 still births and 8 miscarriages were reported. 1,623 births were

attended by registered midwives, but in addition, in 549 cases medical practitioners were also in attendance. The average number of cases per midwife was 55.5, including the Maternity Home. Only 7 midwives in private practice attended over a 100 cases each, and only 5 others attended over 50 each. It will be seen that there is no scarcity in respect to the number of midwives in the town. There were 28 trained and 11 untrained midwives in practice in 1920. 12 midwives were wholly dependent upon their practice for a living; 20 were partly dependent, and 7 were non-dependent.

Medical help was sent for by midwives as follows :—

	Cases.
For the mother—before labour ...	16
For the mother—during labour ...	275
For the mother—during puerperium ...	14
	<hr/> 305
For the child	140
	<hr/>
Total	445 cases

BREACHES OF THE C. M. B. RULES.

19 breaches of the above rules were discovered, they were :—

Failing to forward record of advising Medical help ...	8
Failing to advise Medical help for inflamed eyes ...	1
Want of Cleanliness	1
Malpractice	1
Negligence	1
Delay in sending records	7

One midwife was cautioned by the Health Committee, and 7 by the Medical Officer of Health.

13 case books were found to contain inaccuracies and discrepancies to the number of 264.

161 visits were paid to midwives by Miss Willey, the Inspector of Midwives, and to the homes of midwives. One midwife was cautioned for lack of cleanliness in her home.

Monthly meetings of midwives were held throughout the year for the purpose of giving lectures or discussing matters of interest, and improved methods of practice, and the importance of the supervision of the expectant mother, especially in reference to the co-operation of the midwife with the Maternity and Child Welfare work of the Corporation.

NOTIFICATION OF STILL BIRTHS.

96 Still births occurred— which gives an average of 3.66 per 100 live births, compared with a percentage of 5.0 in 1919, 2.6 in 1918, 4.8 in

1917, 4.1 in 1916, 4.6 in 1915, 5.7 in 1914, 4.5 in 1913, 4.4 in 1912, and 4.9 in 1911. Among midwives' cases the percentage of still births was 3.2. They varied from 8.8, 7.8, 7.5, 6.4, and 6.3 per cent. to nil.

Enquiries were made at the Cemeteries *re* number of still born babies buried during the year. There were 109 buried and 96 notified. One was certified as still born and, on enquiry, it was found that the child had been born alive and had died afterwards.

STILL BIRTH WARD STATISTICS DURING THE PREVIOUS 10 YEARS.

Alexandra, 4.65; Caerau, 2.95; Central, 4.65; Crindau, 5.95; St. Julians, 4.8; Lliswerry, 4.05; Maindee, 4.1; Tredegar, 4.85; St. Woollos, 4.25; Victoria, 4.85.

OPHTHALMIA NEONATORUM.

9 cases were notified; in addition, 41 cases of inflamed eyes among the newly born were attended. There were 19 severe cases with profuse discharge. All the cases were followed up until they recovered.

ANTE-NATAL HYGIENE.

The importance of this subject is receiving greater attention by Expectant Mothers and Midwives. They are seeking the assistance of the Staff in increasing numbers. No less than 474 Expectant Mothers were known to the Staff. During 1919 and 1918 the figures were 395 and 346, respectively.

337 were members at the Centres, those requiring medical advice were referred to their own doctors, or they attended at the Clinic. 504 visits were paid to Expectant Mothers at their homes. The numbers attending the Centres are increasing rapidly. The work includes attendances at lectures, personal talks, medical advice, and instruction in infant hygiene generally.

40 necessitous cases among Expectant Mothers were provided with milk for varying periods—2 weeks up to 2 months—according to their circumstances.

MATERNITY WELFARE.

During 1920 the Corporation paid £60 for a bed for necessitous cases at the Herbert Street Maternity Home. Under this arrangement patients were admitted there at Dr. Benner's request.

Several Surgical cases and 7 Puerperal Fever cases were admitted into the Royal Gwent Hospital for special treatment.

There are also three private Maternity Homes in the town. A few births also took place at the residences of midwives. 119 births occurred

at Public Institutions, including Woolston House, and 12 in private Maternity Homes. In all 4.9 per cent. of the registered births took place at Institutions, etc.

£2 2s. 0d. in fees were paid to medical men called in by midwives in cases of emergency in necessitous cases during 1920.

STAFF.

In addition to Dr. Benner there are 5 Health Visitors and 1 Clinic Nurse. There are also 3 whole time lay assistants at the Clinic, Office, and Centres; and 1 part time play-room assistant at the latter.

The work at the Clinic is dealt with in Dr. Benner's Report.

The following is a summary of the visits to homes paid by the Health Visitors during the year :—

Mothers.			Children 0—1 Year.		
	Visits&Re-visits			Visits&Re-visits	
	1920	1919		1920	1919
To—			To—		
Centre Mothers...	444	656	Centre Infants ...	717	342
Other Mothers ...	228	342	Other " ...	4490	3574
Centre Expectant Mothers ...	239	296	Centre Child'n 1-5 yrs	725	703
Other do. ...	265	322	Other " " "	1898	1967
			Infectious Diseases...	277	63
Total ...	1176	1616	Total ...	8107	6649

Attempted Visits ... 1920—1,180 ... 1919—893.
(Mothers out)

CHILD WELFARE.

CRECHES.

There are no such institutions in Newport now. One was opened during the War; it was situated a mile and a half from the Factory where the mothers worked and consequently the infants were artificially fed. I see no reason for establishing one in the town.

INFANT FEEDING.

2,627 Infants were visited in 1920. The results of the usual enquiries during the first weeks of life in respect to diet were as follows :—

	1920.	1919.	1918.	1917.	1916.
	%	%	%	%	%
Breast milk only—per cent— ...	81.8	84.2	83.3	86.9	89.4
Breast milk plus Artificial Food or Cow's Milk ...	6.1	5.7	6.8	6.8	2.9
Wholly or partly Breast Food ...	87.9	89.9	90.1	93.7	92.3
Artificial Food only ...	9.9	9.5	9.1	6.3	7.6
Too weak to take nourishment ...	1.7	.6	.9		

The analysis of Enquiries at the end of 6 months in reference to 1,454 infants showed that 64.9 per cent. of them were still breast fed compared with 72.2 per cent., 64.7 per cent., 65.2 per cent. and 63.7 per cent. during the years 1916—1919, respectively.

INFANT MORTALITY AND INFANT FEEDING.

Enquiries were made in reference to 156 deaths under 6 months of age :

In 33 of the deaths the mode of feeding could not be ascertained, and in 35 others the infants were too feeble to take proper nourishment.

DEATH RATES UNDER 6 MONTHS OF AGE (per 1,000 births per 6 months).

Year.	Breast Fed only.		Artificially Fed only.	
	No.	Death Rate. per 1,000	No.	Death Rate. per 1,000
1912	76	82.2 or 1 in 12	49	288.0 or 1 in 3.3
1913	49	55.9 or 1 in 18	68	296.9 or 1 in 3.3
1914	65	77.8 or 1 in 13	59	235.0 or 1 in 4
1915	61	83.5 or 1 in 12	43	141.9 or 1 in 7
1916	58	80.3 or 1 in 12	29	128.2 or 1 in 7.8
1917	38	65.4 or 1 in 15	17	79.4 or 1 in 13
1918	34	56.8 or 1 in 18	26	130.6 or 1 in 7.6
1919	45	70.2 or 1 in 14	20	78.1 or 1 in 13
1920	56	65.8 or 1 in 15	26	75.5 or 1 in 13

The total infantile rate *under six months per 1,000 births per six months* was 118.8, compared with 128.3 in 1919, 138.3 in 1918, 123.7 in 1917, and 155.8 in 1916.

Infants brought up at the breast have the best chance of surviving infancy. Errors in Infant Hygiene are more likely to occur among artificially fed infants. The education of mothers in these matters should therefore produce greater improvements among the latter.* This is borne out by the above figures.

ARTIFICIAL FEEDING.

The reasons given for the artificial feeding of infants were as follows :—

On Doctor's advice, 27; Insufficient or no Milk, 131; Ill-health of Mother, 41; Breast trouble, 16; Death of Mother, 7; Mother at work, 6; Illegitimacy, 5; "Baby too weak to suck," 7; Cleft palate, 1; No desire to breastfeed, 3; other causes, 6. Total, 250.

BOTTLES USED.

Enquiries were made at the end of 6 months in 486 cases as to the feeding bottles used for artificial feeding. The results were as follows :—Boatshaped bottles, 414—*i.e.*, 85 per cent.—and 25 Longtube bottles,

6.2 per cent. ; other methods, 42. There has been a steady increase in the proportion of boatshaped bottles used during the last few years.

DUMMY TEATS.

501 of the 1,443 infants visited at 6 months of age were using comforters provided by their mothers. There is no improvement—in fact it would appear from the information obtained annually that this evil practice is increasing in spite of all efforts of the Health Visitors to persuade mothers to desist from the practice.

CLOTHING.

Enquiries were made in reference to the clothing of 2,320 infants with the following results :—

Flannel and Calico	...	...	1139	or	49.5	per cent.
Flannel and Flannelette	...	...	68	or	2.6	"
Flannel, Calico, and Flannelette	...	...	999	or	43.1	"
Flannelette and Calico	..	..	89	or	3.9	"
Flannelette	...	...	12	or	.5	"
Calico	...	...	2	or	.1	"
Cotton Wool	...	...	11	or	.4	"

There is still room for improvement. Deaths still occur from burns caused by the ignition of inflammable clothing.

INFLAMED EYES.

54 Cases were visited by the Health Visitors. Only 9 of these were notified as Ophthalmia Neonatorum, 35 of the cases were of a mild character, whilst 19 were severe with profuse discharge. 15 of the cases received no medical treatment. All of the cases were followed up until they recovered.

Enquiries were made later for evidence of permanent injury with negative results.

MIDWIVES CASES.			1919.	1920.
Doctor called in before 10 days	...	...	11	21
Doctor called in after Midwife left	...	...	5	5
No Medical Treatment	...	...	10	15
Total Midwives' Cases			36	41
Doctors' Cases (engaged for Confinement)	...	...	10	13
Total Cases			36	54

4 of the severe cases attended the Royal Gwent Hospital for treatment, the others were treated by their own medical attendants.

The cases notified per 1,000 births were 3.3, compared with an average of 10.6 for England and Wales.

It is necessary that arrangements should be made for the admission of mother and infant into Hospital where the cases cannot be successfully treated at home, as 25 per cent. of the cases of Blindness in the past have been attributed to infection of the infant's eyes by Gonorrhœa.

EXTENSION OF THE WORK.

Is desirable in the following directions at present :—

- i. More satisfactory arrangements for the prevention of still births and diseased infancy by providing more private facilities for the treatment of Syphilis and Gonorrhœa in expectant mothers, etc.
- ii. There is undoubtedly need for Home Helps in a large number of cases during the lying in period, and even before that in some cases of ill-health.
- iii. Maternity beds for necessitous cases, for complicated cases of pregnancy and labour, for severe Ophthalmia cases and for cases of Puerperal Fever.
- iv. Dental Assistance for mothers and young children.
- v. Observation beds for infants and young children—especially those suffering from defective nutrition.
- vi. Greater facilities for periodical visiting and supervision of children up to School age.
- vii. Extension of the work of Home Nursing during periods of excessive sickness especially.
- viii. Co-ordination of all Public Health Services to ensure both efficiency and economy.

It is a pleasing duty to again express thanks to the lady voluntary helpers who have rendered such self-sacrificing and valuable services at the Centres. Such work helps to maintain a "human touch" in the official work which would be lacking if the work were confined to the routine cast-iron system of work—so beloved in some official circles.

Thanks are also due to Dr. Benner and the Staff generally for the work done and more especially for the high tone which has been manifested in their work.

REPORT

OF

DR. MINNA A. BENNER

MEDICAL OFFICER, MATERNITY AND CHILD WELFARE.

TO THE MEMBERS OF THE NEWPORT MATERNITY AND CHILD WELFARE
COMMITTEE.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to submit my Annual Report for year ending December 31st, 1920.

It is gratifying to be able to record an increasing attendance both at the Clinic and in the Centres—this taken in conjunction with the many expressions of appreciation we have received, are an indication of how much these municipal activities are esteemed and availed of.

THE CLINIC.

The following Tables illustrate the growth of the work; the comparison under each heading being made with the numbers for the year 1919 :—

TABLE I.—New Cases Registered

Year.	Mothers.	Infants.	Children.	Totals.
1920	349	651	263	1,263
1919	310	344	219	873

TABLE II.—Individuals Medically Examined.

Year	Mothers.	Infants.	Children.	Totals.
1920	704	961	432	2,097
1919	406	367	276	1,049

TABLE III.—Number of Medical Examinations.

Year.	Mothers.	Infants.	Children.	Totals.
1920	1,156	1,657	726	3,539
1919	992	923	658	2,573

TABLE IV.—Numbers on Register.

Date.	Mothers.	Infants.	Children.	Total.
31st Dec. 1920	940	1,244	726	2,910
31st Dec. 1919	591	593	463	1,647

The total attendances for the year were 13,851, giving a working daily average of 55; as against 7,594 and 30, respectively, for the year 1919.

The next Table gives a summary of the attendances, &c., with total Cash Receipts since the Clinic was opened. It clearly indicates the steady growth of the work :—

TABLE V.—General Summary, 1917 to 1920,

	Total Atten- dances.	New Members.	Individ'als Medically Examined.	Number of Medical Examina- tions.	Total Cash Receipts.
15 months to 31st Dec., 1918	3965	661	770	2477	£ s. d. 325 11 6½
Year 1919 ...	7594	873	1049	2573	894 1 4½
Year 1920 ...	13851	1261	2097	3539	2141 6 4

The following Table shows affections of 446 Infants, and 260 Children, registered in 1920 :—

TABLE VI.

Affections.	Infants.	Children.
Eyes ...	8	10
Ears ...	5	4
Nose and Throat ...	1	11
Skin ...	72	55
Teeth ...	—	3
Infections ...	13	17
Glands ...	8	11
Heart and Anæmia ...	5	1
Gastro—Intestinal ...	65	20
Debility—Malnutrition ...	43	26
Respiratory ...	117	43
Other Diseases or Defects ...	109	59
Totals ...	446	260

Registered number of Infants, 651; Normal, 24; Dieting, 181.

Registered number of Children, 263; Normal, 3

CASH RECEIPTS.

The following analysis of the Cash Receipts indicates the importance of the non-medical work carried on at the Clinic, and further confirms the increasing interest taken in all Departments :—

TABLE VII.—Clinic Cash Receipts.

	1920.			1919.		
	£	s.	d.	£	s.	d.
<i>Voluntary Account :—</i>						
Dried Milk and Groats ...	1936	3	4½	805	10	7
<i>Corporation Account :—</i>						
Medicated Goods, &c. ...	140	16	4	64	17	3½
Medicines ...	63	10	1½	22	7	0
Dental Treatment ...	0	16	6	0	14	6
Garden Receipts ...	—			0	12	0
	£ 2141	6	4	894	1	4½

<i>Gifts at Clinic :—</i>	£	s.	d.
Milk and Groats ...	22	9	9½
Medicated Foods, etc. ...	6	6	11
	£ 28	16	8½

During November and December the Gifts at the Clinic had to be largely increased; irregular work and unemployment caused much hardship among the women and children.

CLINIC WORK.

The work at the Clinic has been re-arranged, and in order to ensure the co-operation of the midwives an Ante Natal Clinic is held weekly. The aim of this is to bring the problems of Maternity and early infancy into relation with the Medical, Hospital, and other services of the Town, and to impress on Mothers the benefit to the child of natural feeding. Suitable literature is provided. The dispensing of medicines has now become a recognised part of each morning's work. A number of skin cases are treated, and minor ailments attended to.

SPECIAL FOODS AND DRIED MILK.

Demonstrations are given as required on the preparation of steamed flour and milk mixtures, raw beef juice, and special diets. The mothers of rickety children are asked to attend, so that the diet specially indicated for their children may be shown to them.

VITAMINES.

To obtain good results in feeding of Infants with dried milk the addition of Vitamines is essential. These accessory food factors are found in Virol, Roboleine or Bynotone. Experiments made in the Lister Institute in 1919 led to the discovery of a valuable Vitamine in the juice of the swede, or field turnip. When required, a bit of uncooked turnip is grated and the juice extracted and given to the infant instead of grape, or orange juice.

Excellent results have followed the use of this simple remedy, especially in deficiency diseases like scurvy or rickets.

" FOLLOWING UP."

The appointment early in the year of a Clinic Nurse has been fully justified; more cases can get skilled assistance in the home, and the practical help thus rendered has prevented complications, and hastened convalescence.

Centre cases attending at the Clinic for treatment are followed up by the Health Visitor for the district, and in this way, over lapping is prevented. In all cases where home medical aid is obtained, Clinic assistance is withdrawn.

EPIDEMICS AND HOUSING.

The severe epidemic of Measles, in the earlier months of the year, and the widespread Whooping Cough towards the close, entailed many extra visits to homes. To cut short the later outbreak, children attended at the Clinic for medicines, and to isolate them from other patients, they were directed to enter by the garden door. Many infants have been affected, for, in the overcrowded home, isolation is impossible. It is to be hoped that the improved housing conditions will obviate this source of danger.

DENTAL TREATMENT.

It has long been recognised that general ill-health and malnutrition are caused by defective teeth. The Dental Scheme submitted to the Ministry of Health has now received their approval, and many, who, hitherto were indifferent to dental treatment, are now anxious to secure it. Several children suffering from oral sepsis have had dental care.

THE UNMARRIED MOTHER.

A home for unmarried mothers has been established in the County, at Nantyderry. So far I have only been able to arrange for admission of one patient willing to comply with the conditions, viz. :—Six months residence in the Home for Mother and Child.

A number of illegitimate children are brought to the Clinic for advice and treatment; in many cases, for food. The mothers are encouraged to attend weekly. I find that the infants make excellent

progress at first—but, as they have low resisting power, they are specially liable to bronchial and gastric affections. This is mainly due to unsuitable clothing (cotton or flannelette), and uncertain feeding; also the poverty of the mother. The difficulty of dealing with this question has been generally recognised. Should the child get an infection the mother is unemployable, and the later stage of the child is marasmus or wasting.

CO-OPERATIVE WORK.

Arrangements were made for the entry of 9 patients to the Maternity Home; but only 5 were able to go, as no "Home Helps" were available when required. Four patients were sent to the Convalescent Home, Southerndown; each remained a fortnight, and received much benefit from the change of air and the good treatment received. A number of children were admitted to the Royal Gwent Hospital for operations and treatment. Several mothers and children were sent to the Tuberculosis Officer for diagnosis and treatment; and one adult received Sanatorium benefit. Several others still attend the Dispensary, Palmyra Place. Two children were admitted to Bristol Hospital, and a child to the Infirmary, Stow Hill.

ASSISTANCE GIVEN BY LOCAL BODIES.

(a) By the Guild of Help—Food and clothing in emergency cases reported to them. Their prompt assistance has been invaluable.

(b) By the Pensions Committee—The re-adjustment of the grant in special cases reported to them, has been of much benefit to mothers and children.

(c) By the Housing Committee—For priority given formerly to the dependents of ex-service men, and to those recovering from tuberculosis whose "after care" required the maximum amount of space and light.

During the last few years, the knowledge of the effects of cleanliness in homes and surroundings has been more widespread, and the lowered Infant Mortality rate for England and Wales evidences the keener interest taken in problems affecting Child Life and nurture. I think mothers begin to realise that "Health" is our objective, and that healthy conditions of living are the birth-right of all the nation's children.

THE CENTRES.

The attendance at the five Centres was well maintained during the year, except during the Measles epidemic in the Spring.

The total number of attendances was 33,553, as compared with 33,108 in the previous year, divided as follows:—

ATTENDANCES AT CENTRES.				
	Mothers.	Infants.	Children.	Total.
1920	16431	6927	10195	33553
1919	15794	5447	11867	33108

The numbers on the Registers, also indicate progress, as follows :—

NUMBERS ON CENTRE REGISTERS.

Year.	Mothers.	Infants.	Children.	Totals.
31st Dec., 1920	1421	351	1223	2895
31st Dec., 1919	1208	266	1081	2555

1,149 new members joined during the year.

The over-crowding referred to in my previous report has been relieved in the Central and Maindee Centres by having two sessions a week. Similar arrangements could not be made for Alexandra and Lliswerry. The Crindau Centre is open for the whole day every Thursday. The details of the work and classes carried out at each Centre will be found in the Health Visitors' Reports.

I attend the Centres in rotation on stated afternoons. During the year I have made 1,302 medical examinations as follows :—

Alexandra—330.

Central—222.

Crindau—318.

Lliswerry—218.

Maindee—214.

Much interest has been taken in all the Centres in a set of examination questions given to the members of St. Pancras School for Mothers, and I find that while class teaching is best for new members, collective teaching is more interesting to our old members.

The aim of the Health Visitors is to give individual instruction to all the mothers on the care and management of the baby ; and Health talks are given when time permits. The gain in membership at Centres for 1920 will be gathered from the following Table :—

NEW CENTRE MEMBERS, 1920.

Centres.	Mothers.	Infants.	Children	Total
Alexandra ...	88	98	33	219
Central ...	147	148	68	363
Crindau ...	75	76	19	170
Lliswery ...	72	102	22	196
Maindee ..	90	81	30	201
Totals ...	472	505	172	1149

Appended is a Summary of the Records, with the Cash received, and the Gifts made during the year :—

CENTRES.
SUMMARY FOR YEAR 1920.

	Mothers.	Infants.	Children.	Totals.
On Registers ...	1,421 (453 Expectants)	357	1,223	3,001
New Members...	472	505	172	1,149
Medical Examinations ...	488	532	282	1,302
Total Attendances ...	16,431	6,927	10,195	33,553

CASH RECEIPTS.

Groats ...	£15 11 0
Virol, &c. ...	80 17 4½
Medicines ...	27 19 7½
	<hr/>
	£124 8 0

GIFTS.

Groats ...	£2 3 5
Malt Virol ...	1 15 1
	<hr/>
	£3 18 6

VISITING LECTURERS.

During the year four lectures were delivered at the Centres by the Lady Organiser of the Society for Combating Venereal Diseases, and four lectures on Food Values, with practical demonstrations, were given by Miss Perrins, of Cheltenham.

DRESSMAKING CLASSES FOR MOTHERS.

Facilities were granted by the Education Committee for an evening dressmaking class in Maindee and St. Woolos Schools. One hundred mothers wished to be enrolled; but not more than 80 were able to do so owing to the difficulty of leaving the children under proper care. The pupils are taught to graft patterns, cut out, make up new material, and mend or transform old garments. The Members are very pleased with the Classes. The immediate effect on the Centres has been a great revival of knitting, and in the making of "Thrift" garments. A knitting class was started in Maindee; useful and beautiful garments were made and shown at Xmas. Another class has recently been organised in the Alexandra Centre.

BABY PRIZES.

In January the Mayor (Councillor Peter Wright) offered £25 in prizes for the best babies in each Centre. The competition naturally caused great interest. The judging was arranged by ballot, by the mothers themselves, on a novel system. The prizes were distributed by the Lady Mayoress at the Town Hall, on Saturday, February 14th. It was a unique and pleasant event.

GENERAL.

It gives me much pleasure to acknowledge the loyal support and the willing co-operation of the Health Visitors and other Members of the Staff. The many activities of the Centres are carried on by the Ladies, who attend from week to week, get to know the mothers and children personally, and take such an interest in the work. Their efforts cannot be too highly praised; without them the Centres would have little attraction, and certainly would not have reached their present position in the Social Service Activities of the Town.

In conclusion, I wish to thank you Mr. Chairman, Ladies and Gentlemen for the kind consideration which you have always given to any proposals or suggestions I have laid before you.

I am,

Faithfully yours,

MINNA A. BENNER.

VITAL STATISTICS.

BIRTHS.

Births, Infantile Mortality, etc., are dealt with in the Maternity and Child Welfare part of this Report.

DEATHS.

The total deaths registered numbered 1,177, after the exclusion of non-residents dying in the district and the addition of residents who died elsewhere the number was reduced to 1,126. This afforded a death rate of 12.41, compared with 12.88 in 1919, 14.42 in 1918, and 13.09 in 1917. The average for the 10 years ending 1919 was 13.54. The 1920 death rate was the lowest on record.

The average death rate in the 96 Great Towns for 1920 was 12.5.

235 deaths, or 20.8 per cent. of the nett deaths, occurred in Public Institutions, namely, Wooloston House, 57; Royal Gwent Hospital, 83; Allt-yr-yn Hospital, 17; Beechwood Hospital, 4; Barracks Hospital, 1; Maternity Home, 2; and Other Institutions outside the Borough, 71. In addition, 123 deaths of non-residents occurred in the Borough, namely, at Royal Gwent Hospital, 77; Wooloston House, 22; Beechwood, 22; Cardigan House, 1; and Allt-yr-yn Hospital, 1.

WARD STATISTICS.

See appended Tables No. 2 and 8 for comparative figures. The lowest death rate was in Maindee Ward (9.34), Lliswerry was the next lowest with a death rate of 9.61, whilst Central (15.87) and Alexandra 14.71 had the highest death rates. The Infantile death rates were also lowest in Maindee (48.1 per 1,000 births), Victoria (57.1) and Lliswerry (59.9), whilst St. Woolos (110), Alexandra (109.9) and Central (99.1) had the highest infantile death rates. 9 of the 22 deaths from Infantile Diarrhoea occurred in Alexandra Ward. Diphtheria was most prevalent and fatal in St. Julian's Ward, where 9 out of the 22 deaths from that disease occurred. Tuberculosis was least fatal in Maindee (.54), Caerau (.6), Tredegar (.66), and most fatal in Crindau (1.78) and Lliswerry (1.64). Respiratory Diseases were also least fatal in Maindee (1.21) and Lliswerry (1.27), and most fatal in Victoria (3.08), Central (2.65) and Crindau (2.52).

ZYMOTIC MORTALITY.

The total deaths from diseases of this nature numbered 280, compared with 259 in 1919, 357 in 1918, and 203 in 1917. The Zymotic death rate was 3.08 per 1,000 inhabitants per annum. These diseases accounted for 25 per cent. of the total deaths. The diseases included under the classification "7 Principal Zymotic Diseases" cannot now be considered as the most important infectious diseases, as Tuberculosis, although not included in the list, is responsible for nearly half the total deaths from such diseases. The 280 deaths were due to the following diseases:—Tuberculosis, 113 (lungs 91, other forms 22); Measles, 61; Influenza, 23; Diphtheria and Membranous Croup, 22; Zymotic Diarrhoea (under 2 years), 22; Whooping Cough, 9; Venereal Diseases, 7; Puerperal Fever, 6; Septicæmia, 6; Scarlet Fever, 3; Erysipelas, 3; Cerebro Spinal Meningitis, 2; Enteric Fever, 1; and other Septic Diseases, 2.

SMALL POX.

One case occurred. The patient was a sailor on board a vessel at the Docks. He was notified on June 5th, removed to Hospital at once, and ship disinfected. The man was taken ill June 2nd. Rash appeared June 3rd. The attack was a very severe one of a confluent nature. Patient had been vaccinated in infancy only, 29 years ago (2 scars). The disease was undoubtedly contracted at Bilbao. The ship left that port May 24th, arrived in Newport Roads May 27th, and was docked June 5th. 12 of the crew were re-vaccinated; 17 refused. Several of these had been re-vaccinated within the past five years. Authorities of districts to which members of crew proceeded were notified, and addresses supplied. No subsequent case occurred on board ship or among the crew. The patient recovered.

VACCINATION.

The percentage of children successfully vaccinated during 1920 was 35.5. In 1897 it was 91. per cent. It has been gradually going down since exemption has been made easy.

No vaccinations or re-vaccinations were carried out under the 1917 Regulations.

DIARRHOEAL DISEASES (DEATH-RATE .24).

The deaths from Diarrhoea and Enteritis under 2 years of age were 22, all except one of these were under 12 months of age. There were 5 deaths over 2 years of age. Some deaths occurred in each quarter. The diseases were not specially prevalent during August and September.

For comparison the death-rate from Diarrhoea under 12 months of age per 1,000 births have been calculated for a number of years. The figures are as follows:—

Period.	Rate per 1,000 births.
1904—1908	20.91
1909—1913	18.94
1914—1918	13.1
1920	8.3

The total rates in the various Wards per 1,000 births were:—Crindau, 10.5; Caerau, 4.8; St. Woolos, 8.4; Tredegar, 10.5; Alexandra, 25.3; Central, 12.9; St. Julians, 3.6; Maindee, nil; Victoria, 2.7; Lliswerry, nil. Over 40 per cent. of the deaths occurred in Alexandra Ward.

WHOOPIING COUGH (DEATH RATE .10).

208 cases were discovered, or reported, by the School Attendance Officers; and 9 deaths occurred; 4 of them were among infants under 12 months of age. The number of deaths was below the average.

MEASLES (DEATH-RATE .67).

1,328 cases came to the knowledge of the Health Department, and were visited. All the Schools except the High School were affected. The disease was most prevalent in the Corporation Road and Crindau districts. All except 11 cases occurred in the first half of the year. The deaths totalled 61. 9 of these were among infants under 12 months of age, and 30 between 1 and 2 years old, whilst 14 were between 2 and 5 years of age. The disease was most fatal in Victoria (12 deaths), Lliswerry (11 deaths), and Alexandra (9 deaths) Wards. There were no deaths in Maindee Ward and only 2 in Caerau.

The Epidemic started at the end of 1919 in Alexandra and Tredegar Wards; it then extended to Crindau, Maindee, St. Woolos, St. Julians, Victoria and Lliswerry.

The death-rate from Measles in the 96 great towns during 1920 was .22, compared with .67 at Newport.

The death-rates during previous years were as follows :—1919, nil; 1918, .32; 1917, .33; 1916, .47; 1915, .17; 1914, .22; 1913, .39; 1912, .63; 1911, .2; 1910, .07; 1909, .97. Measles ceased to be notifiable at the end of 1919.

Home Nursing.—A special Nurse was engaged for the home nursing of complicated cases from February 28th until May 1st, in addition the Clinic Nurse was employed at the work during the worst period of the Epidemic. 95 cases were attended to by these two nurses.

This work should be extended during Epidemic periods in view of the great mortality from Measles and the Respiratory complications which follow the disease in many cases.

INFECTIOUS DISEASES NOTIFICATION ACT.

The diseases now notifiable are Small Pox, Scarlet Fever, Diphtheria and Membranous Croup, Typhus, Typhoid or Enteric and Para-Typhoid Fever, Continued Fever, Cholera, Relapsing Fever, Plague, Puerperal Fever, Erysipelas, Pneumonia (Acute, Primary and Influenzal), Cerebro Spinal Fever, Acute Poliomyelitis, Acute Polio-Encephalitis, Encephalitis-Lethargica, Trench Fever, Dysentery, Tuberculosis, Ophthalmia Neonatorum, Malaria.

The number of notifications received during 1920 was 980 (see notification table).

4,814 visits and re-visits in connection with the supervision of Infectious Diseases were made by the staff. 855 houses were disinfected, and 7,869 articles were removed for disinfection at Allt-yr-yn Hospital.

2,274 bottles of Disinfectant were supplied to houses where infectious diseases of various kinds occurred.

The erection of the steam disinfecter purchased from the Disposals Board at the Destructor will lead to considerable economy in time and transport.

SCARLET FEVER (DEATH-RATE .03).

373 cases of Scarlet Fever were notified. There were 3 deaths. The disease was mild in character, and it was distributed among all the Wards; but St. Woolos, Alexandra and Maindee contributed over 40 per cent. of the cases. The disease was prevalent at the end of 1919, and 164 were notified during the first quarter of 1920. The average for the other quarters was 70. During the first quarter accommodation at the Hospital was not available for all the cases, consequently the more urgent cases were selected for admission.

DIPHTHERIA AND MEMBRANOUS CROUP (DEATH-RATE .24).

244 cases were notified, of which number 22 died (9 per cent.). During the first quarter 17 cases occurred, and 12 in the 2nd quarter. The disease became more prevalent and severe in type during the Summer quarter, when 34 were notified, of whom 6 died (18 per cent.), and still more prevalent during the last three months when the notifications increased to 181 with 14 deaths (7.6 per cent.).

The Wards most affected were St. Julians (death-rate .85 per 1,000), St. Woolos (.27), Central (.25), and Crindau (.21). Caerau and Victoria Wards had the lowest death-rate from this disease.

Every precaution was taken to prevent the spread of infection. Invariably swabs were taken from the scholars in contact with School patients by the School Nurses and of those at home not of school age by Health Visitor or Medical Attendant. Also swabs were taken and examined from all suspicious cases in houses where cases were notified. In this way several "carrier" cases were discovered. "Carriers" who were not "clinically" affected were not removed to Hospital.

Reference is made elsewhere to the amount of bacteriological work done. The question of the necessity for the earlier administration of antitoxin is made in the part of the report dealing with Allt-yr-yn Hospital.

TUBERCULOSIS.

DEATH RATE—ALL FORMS 1.24 (Lungs 1.0, Other Forms .24).

NOTIFICATIONS.—125 cases of Tuberculosis of the Lungs were notified during 1920; only 72 of these were alive at the end of the year.

55 were notified to be suffering from other forms of Tuberculosis, and 24 of these died during the same year.

Sexes affected—

			Males.	Females
Tuberculosis of Lungs	...	...	66	59
Other Forms	...	...	23	32

The earlier the cases are diagnosed the better are the chances of recovery from the disease.

From an analysis of the notifications of Phthisis each year and the number of such cases alive at the end of the year, we must conclude that the disease is either becoming more acute or that there is considerable delay in the diagnosis and notification of the disease, for the percentages of those surviving the year of notification have been becoming less each year. The figures from 1913 to 1920 are as follows:— 79 per cent., 75 per cent., 71 per cent., 76 per cent., 69 per cent., 63 per cent., 58 per cent., and 57 per cent. in 1920. This is very disappointing for obvious reasons.

2,391 cases of Phthisis have been notified to the Health Department since 1903, and 323 of these were alive December 31st, 1920.

Since 1913, when all forms of Tuberculosis were made compulsorily notifiable, 194 cases of all forms of Tuberculosis, other than Pulmonary, have been notified. 143 of these cases were alive December 31st, 1920.

EXAMINATION OF CONTACTS.—This is a very important part of the work. The number of immediate Contacts averaged 5.6 per notified case; the total number of Contacts with the notified cases was 700. 102 Contacts were examined and 8 of them were found to be suffering from Tuberculosis. It is very necessary that this work should be greatly extended.

INSTITUTIONAL TREATMENT.

The returns of the Welsh National Memorial Association shew :—

	MALES		FEMALES		Totals
	Boys	Men	Girls	Women	
Number of Patients examined (including 102 Contacts and excluding those "pending Diagnosis ...	64	129	99	91	383
Number diagnosed as T.B.					
Pulmonary ...	3	50	3	30	86
Non-Pulmonary ...	8	15	19	5	47
Total ...	11	65	22	35	133
Number of Contacts examined (included in above) ...	21	10	48	23	102
Number of Contacts found T.B.					
Pulmonary ...	—	4	1	3	8
Non-Pulmonary ...	1	—	2	—	3
Total ...	1	4	3	3	11
Number of Cases recommended to					
Hospital ...	5	63	30	33	131
Sanatorium ...	1	6	—	3	10
Total ...	6	69	30	36	141
Number of Cases admitted to					
Hospital ...	7	62	26	23	118
Sanatorium ...	1	18	—	3	22
Total ...	8	80	26	26	140

The number of notifications received by the Medical Officer of Health in reference to Newport cases admitted into Hospitals, Sanatoria, etc., was not 140, but 111.

Taking a complete year's returns (1919), the average number of Newport patients in Institutions was as follows:—

In Sanatoria	...	...	...	4
In Tuberculosis Hospitals	...	...	...	15
In Hospitals for Surgical Cases	...	...	...	2—Average 21.

There is a Tuberculosis Dispensary at Palmyra Place which serves the Eastern Division of the County of Monmouth and the County Borough of Newport. It is under the charge of Dr. Carveth Johnson. He has the part time services of the Assistant Tuberculosis Officer, Dr. Hyde, a nurse and clerical assistance. They are all officials of the Welsh National Memorial Association. There are thus two Authorities dealing with the prevention of Tuberculosis at Newport. This naturally entails overlapping, etc. Newport patients are eligible for admission into the various Sanatoria and Hospitals of the Welsh National Memorial Association.

DEATH RATES FROM TUBERCULOSIS.

Tuberculosis of Lungs.			Other Forms.		
1870—1879	...	2.46 per 1,000	1900—1909	...	.38 per 1,000
1880—1889	...	1.74 "	1910—1919	...	.33 "
1890—1899	...	1.26 "	1920	...	.24 "
1900—1909	...	1.07 "			
1910—1919	...	1.02 "			
1920	...	1.00 "			

VENEREAL DISEASES.

Facilities for free treatment for all suffering from Venereal Diseases are provided by arrangement with the Directors of the Royal Gwent Hospital, at the Out-Patient Department.

At the beginning of the year 1920, the arrangements for treatment included four sessions per week, plus a session for special appointments, namely:—

Males—Wednesdays, 2 p.m.; Thursdays, after Clinic for females (special appointments only); Fridays, 6 p.m.

Females—Mondays, 2 p.m.; Thursdays, 2 p.m.

A sixth session was started November 29th, 1920.

The Committee realised that even this did not meet the entire needs of the district, especially in regard to irrigation and auxiliary work.

The question of improving the attendance of women at the Treatment Centre was considered. In order to encourage this a series

of lectures for women was arranged, and they were well attended. 17 lectures were given at shops, factories, laundries, as well as Public Meetings and at Women's Organisations. The attendances numbered 1,762. The lecturer was well received, and there was an earnest demand for literature. Employers and the Press gave every assistance in the work, which was so well organised by the Special Ladies' Educational Committee.

Arrangements were made for the admission of girls or women requiring special indoor treatment to a Hostel in Gloucestershire.

An irrigation department, adjoining the Out-Patients' Department, was erected and equipped for providing irrigation treatment for males between their attendances at the medical sessions. The irrigation facilities for females were also improved, but this is still very incomplete.

The progress of the work at the Treatment Centre will be seen from the figures in Table 18.

The number of patients both male and female who cease to attend before completing treatment is unsatisfactory. In the cases of sailors this unavoidable. They are, however, provided with circulars giving information as to facilities for treatment in other ports, etc., and they are provided with cards upon which the treatment given is entered.

The attendances of women is still unsatisfactory. Facilities for greater privacy in treatment are desirable. These could with advantage be provided at the Maternity and Child Welfare Clinics; especially as Venereal Diseases are responsible for much of the disabilities of mothers and infants.

INFECTIOUS DISEASES HOSPITALS.

ALLT-YR-YN HOSPITAL.—432 cases of Infectious Diseases were admitted during the year. 27 of the cases were from outside the Borough. Accommodation for such cases was not available during the last quarter, and several applications for beds had to be refused in consequence. The deaths numbered 18—a percentage fatality of 4.1. The daily average in Hospital was 37.1 patients. The Tuberculosis block which was primarily closed, owing to water shortage, in November, 1919, was destroyed by fire in 1920, consequently there was no accommodation for any cases of Tuberculosis during 1920 at Allt-yr-yn Hospital.

SCARLET FEVER.—256 out of the 373 cases notified in the town, were removed to Hospital, *i.e.*, 68.6 per cent. 7 cases were also admitted from outside districts, making a total of 263 cases, of which number 4 died, equal to a mortality rate of 1.5 per cent. The average age of the patients was 9.1 years, and the average stay in Hospital of those who recovered was 37.5 days.

TYPHOID FEVER.—8 of the 10 cases notified and 2 others from outside districts were removed to Hospital; there were no deaths. The average period of treatment was 36.1 days, and the average age of the patients, 31 years.

DIPHTHERIA AND MEMBRANOUS CROUP.—131 of the 244 of Diphtheria (50.4 per cent.) and 2 of the 4 cases of Membranous Croup notified were admitted into Hospital; 15 of the former and 3 of the latter were also admitted from outside districts, making a total of 151 cases. Some of the Membranous Croup cases were very ill on admission, and the operation of Tracheotomy had to be performed almost forthwith. The fatality per cent. of the Diphtheria cases and Membranous Croup cases, respectively, was 8.4 and 40 per cent. The average stay of those who recovered was 24 days, and the average age of all the patients was 10 years. During November and December the beds available, although the accommodation for other diseases was reduced to make room for Diphtheria cases, was inadequate to cope with the notifications received during these months; consequently the most urgent cases were given preference.

ANTITOXIN TREATMENT.—A proportion of the cases were exceptionally virulent in type during a short period, and some of them did not respond satisfactorily to antitoxin treatment, although given early in some cases. I therefore communicated with one of the leading makers in order that they might investigate the matter, and they were supplied with live cultures from virulent cases with the object of adding the type of organism to those used in the preparation of the toxin injected into the horses from which the antitoxin serum would be subsequently obtained.

Most unfortunately a number of cases were admitted too late to derive much if any benefit from treatment of any kind. Very few of these had had antitoxin before admission.

Although, as stated above some cases did not yield to antitoxin treatment, owing to the exceptional type of the infection, yet antitoxin is recognised to be the "sheet anchor" in the treatment of Diphtheria if administered early and in adequate doses intra-muscularly by preference. A large proportion of the cases admitted had not had any before admission.

In the early stages of the disease comparatively smaller doses will produce the desired results, but any delay not only necessitates the administration of very much larger doses so that after the 4th or 5th day even enormous doses seem to have little effect in neutralising the poison. In many of the cases the parents had not sent for medical help until the disease was well advanced; in others the administration of antitoxin had been postponed by the medical attendant until the admission

of the patients into hospital, although antitoxin can be obtained on application at the Health Department during office hours, and at Allt-yr-yn Hospital when the office is closed.

The Hospital Expenses (Table No. 1) contains a summary of the Hospital expenses for the past 10 years. The receipts for the year ending March, 1921, amounted to £2,046 2s. 6d., this includes the sum of £1,750 Insurance moneys recovered after the destruction by fire of the temporary pavilion for advanced cases of Phthisis. The sum received for the maintenance of cases admitted from the County amounted to £285 16s. 2d.. The cost of food per week per head for patients and staff was 13/-, compared with the following figures for previous years:—1898-9, 6/1½; 1903-4, 4/0½; 1908-9, 4/2½; 1913-14, 4/3; 1914-15, 4/10¾; 1915-16, 6/2; 1917-18, 11/11¾; 1918-19, 12/6; 1919-20, 11/1. The daily average number of patients in hospital was 37.1. The average cost per patient admitted was £22 6s. 6d.

CEFN HOSPITAL (*Port Sanitary and Small Pox Hospital*).—Four patients were admitted during the year—one case of Small Pox on June 5th, a fireman from ss. Cardiff; and 4 cases of Beri-Beri on November 30th, lascars from ss. "Tsurigisan-maru." All the patients recovered.

BACTERIOLOGICAL WORK.

During 1920, 3,967 specimens were examined at the Health Department. The following is a summary of the work done:—

For Medical Practitioners.—Throat and Nose swabs, 117; Sputa for Tubercle, 57; Fæces and Urine for Typhoid Fever, 4; Blood for ditto., 8; Other Specimens, 5. Total, 181.

School Contacts.—Swabs from Contacts, 1,212; Suspected cases of Diphtheria, 130. Total, 1,342.

Health Department.—Swabs from notified cases of Diphtheria, 191; ditto. from Suspected cases, 81; ditto. from "Contacts," 478. Total, 750.

Hospital Cases.—Throat and Nose swabs, 1,437.

Other Specimens.—257 (these include the examination of 254 shaving brushes for anthrax).

The appointment of a Bacteriological Laboratory Assistant has enabled us to carry out the whole of the above work at the Health Department. In addition to laboratory work, Mr. Wilfred Jones acts as a statistical clerk.

In many towns the bacteriological work is done under contract by outside Laboratories; the carrying out of this work by the Medical Officer of Health and his staff resulted in 1920 in a net saving of over £300 to the ratepayers, in addition to a more expeditious performance of the work of diagnosis, etc.

ADMINISTRATION OF FOOD AND DRUGS ACTS, AND MILK AND CREAM REGULATIONS.

Owing to the continuance of a certain amount of Food Control by the Government, the number of food samples taken for analysis again did not reach the pre-war standard. Of the 103 samples analysed, only 5 or 4·8 per cent. were adulterated or sold contrary to the requirements of the law. Sampling was confined to Butter, Cream, and Milk. Apart from cream, no sample was found to contain preservatives. All of the cream samples, except the tinned cream, contained Boric Acid, the highest amount found was ·37% and the lowest ·25%.

It is worthy of note that the tinned cream contained only 18·5% of Milk Fat.

From the figures that follow will be seen the seasonal variations of the quality of the milk sampled. The average percentage of Milk Fat in the genuine samples was 3·63, and the Solids Not Fat 8·85. These figures, especially those for Milk Fat, are far above the standard of the Board of Agriculture.

The results of the few prosecutions taken continue to be most unsatisfactory.

Under the Margarine Act, 92 visits were made. No serious infringement of the Act was discovered.

In view of the recent legal decisions under the Foods and Drugs Acts, those taken are of little use in promoting higher standards, especially in the case of milk: reliance must therefore be placed at present upon the efforts at co-operation between local authorities, vendors, and producers in the direction of supplying the public with milk of improved quality, chemically and bacteriologically.

Milk is the only important article of food in which the quality does not govern the price. The public continue to pay the same price for a dirty milk of poor quality as regards fat and proteins as they pay for a comparatively clean milk rich in fat and proteins.

Reform in our milk supplies will not be obtained by elaborate and costly inspection of farms and dairies, but rather by a system of "grading," which will ensure reforms in production, transit, and distribution.

In New York milk of lower grade is rapidly been driven from the market, owing to the demand by the public for clean milk of good quality at slightly higher prices.

SAMPLES TAKEN DURING THE YEAR.

Description of Sample	Formal			
	Number Taken	Genuine	Adulterated.	Percentage Adulterated.
Butter ...	11	11	...	...
Cream ...	9	7	2	22.2
Cream (Tinned) ...	1	1	...	...
Milk (New) ...	*78	74	3	3.9
Milk (Tinned) ...	5	5	...	...
Total ...	104	98	5	4.8

*Includes 1 sample broken in transit.

Date of Offence	Defendant	Offence.	Result
7/6/1920	J.C.W.	Milk—Deficient in Milk Fat to the extent of 9%.	Case dismissed
7/6/1920	T.G.H.	Milk—Deficient in Milk Fat to the extent of 10%	To pay £1 is. each. No conviction
	T.R.H.		
9/11/1920	R.J.E.	Milk—6.71 parts of added water	Case dismissed. No costs

OTHER OFFENCES (NOT PROSECUTIONS).

Date	Initials	Article and Nature of Offence	Reason for not prosecuting
18/6/1920	E.M.F.	Cream—Containing .37% of Boric Acid. Sold in unlabelled vessel.	Cautioned by M.O.H.
18/12/2920	C.P.	Cream—Containing .28% of Boric Acid. Sold in unlabelled vessel.	Cautioned by M.O.H.

MILK (NEW) GENUINE SAMPLES.
SEASONAL VARIATIONS.

	No. of Samples taken	Milk Fat		Solids not Fat.	
		Totals	Average	Totals	Average
1st Quarter ...	12	40'90	3'41	107'01	8'92
2nd Quarter ...	15	53'66	3'58	132'94	8'86
3rd Quarter ...	24	87'50	3'65	214'02	8'92
4th Quarter ...	23	86'50	3'76	200'65	8'72
	74	268'56	3'60	654'62	8'85

MILK FAT.

The Board of Agriculture Standard is a minimum of 3%.

Per Cent. ...	3-3'24	3'25-3'49	3'5-3'74	3'75-3'99	4-4'24	4'25-4'49	4'5-4'74	4'75 and over
No. of Samples ...	12	13	27	13	6	1	1	1

SOLIDS—NOT FAT.

The Board of Agriculture Standard is a minimum of 8.5%.

Per cent. ...	8.5-8.59	8.6-8.69	8.7-8.79	8.8-8.89	8.9-8.99	9 & over
No. of Samples ...	9	4	12	17	17	15

CONDENSED MILK.

Sample No.	% Fat Milk
45	7'8
46	8'45
47	7'50
48	8'94
49	9'65
Totals ...	42'34
Averages ...	8'47
Highest ...	9'65
Lowest ...	7'5

PUBLIC HEALTH (MILK AND CREAM) REGULATIONS
1912 and 1917.

I. MILK AND CREAM NOT SOLD AS PRESERVED CREAM.

		Number of Samples examined for the presence of Preservative.	Number in which preservative was reported to be present, and percentage of preservative found in each sample.
Milk	...	78 plus 5 condensed.	Nil.
Cream	...	3	2. 0.37% Boric Acid. 0.28% Boric Acid.

Nature of preservative in each case in column (b) and action taken under the Regulations in regard to it.

Sample No.	% of Milk Fat.	% of Preservative	Action Taken.
39	67.3	0.37 Boric Acid	Cautioned by M.O.H.
103	47.42	0.28 Boric Acid	Cautioned by M.O.H.

2. CREAM SOLD AS PRESERVED CREAM.

(a) Instances in which samples have been submitted for analysis to ascertain if the statements on the label as to the preservative were correct.

(i.) Correct statements made	...	...	7
(ii.) Statements incorrect	...	...	—
			7

(iii.) Percentage of preservative found in each sample :
(b) (i.) and (ii.)

Sample No.	% of Milk Fat	% of Preservative	% stated on Statutory Label.
37	49.5	0.28 Boric	Not exceeding 0.4%
38	57.5	0.25 "	Boric Acid,
40	67.0	0.29 "	ditto.
41	58.5	0.26 "	ditto.
42	49.5	0.30 "	ditto.
43	53.8	0.27 "	ditto.
44	44.5	0.36 "	ditto.

(c) Instances where (apart from analysis) the requirements as to labelling or declaration of preserved cream in Article V. (2) of the Regulations have not been observed—Nil.

(d) Particulars of each case in which the Regulations have not been complied with, and action taken—Nil.

3. THICKENING SUBSTANCES.

Any evidence of their addition to cream or to preserved cream
Action taken where found—Nil.

WATER SUPPLY.

RESERVOIRS OF THE CORPORATION.

	Capacity.	Area.	Greatest Depth.
Ynis-y-fro ...	84,000,000 gallons	15 acres 3 rds.	37 ft.
Do. Subsidy ...	36,000,000 gallons	9 acres 2 rds.	21 ft. 11 inch.
Pant-yr-ees ...	145,000,000 gallons	15 acres 3 rds.	84 ft.
Wentwood ...	400,000,000 gallons	40 acres 0 rds.	90 ft.
	665,000,000		

It has been recognised for some years that the supply is not equal to the requirements of the town, particularly during years with low rain falls. Parliamentary sanction was obtained in 1920 for the Talybont Scheme, according to which the Corporation is empowered to draw the whole of the water of the upper portion of the Caerfennell Valley, with the exception of a quarter of a million gallons a day of compensation water. The gathering area consists of upland moors on the S.E. of the Brecon Beacons. The water will be drawn directly from intakes in the main stream, and after sedimentation and filtering through mechanical filters will be conveyed by a main capable of supplying about $4\frac{1}{2}$ millions of gallons per day. The water is very soft, the hardness varying from 1 to 5 degrees, during flood and dry weather respectively. The water has a certain amount of Plumbo-solvency action during floods which will necessitate treatment at times. There are a few farms on the lower portions of the gathering area which will also need dealing with. Apart from these details the water is a remarkably pure one and most admirably suitable for domestic and manufacturing purposes.

WENTWOOD SUPPLY.—The attention of the Waterworks Committee has been drawn to sources of pollution in the Castroggy stream, more especially at the Folly Farm. This is receiving attention.

DRAINAGE AND SEWERAGE.—The water carriage system is in use in all parts of the town. The sewage is disposed of in the tidal portion of the River Usk at 14 outfalls. The rise and fall of the tides, which produce a thorough scouring of the river bed, disposes of the sewage satisfactorily. No nuisance is anticipated from this

method unless the river, at or near Newport, is called upon to dispose of a considerable increase in the volume of sewage.

There are still over 3,000 hand flushed water closets in the town. War conditions have prevented the speedy provision of automatic flush tanks to these w.c.'s.

SCAVENGING.—Moveable ashbins are in general use, but unfortunately the majority of them are improvised and coverless, and, therefore, not satisfactory. The ashes are collected twice a week. The refuse is disposed of at the Destructor and tips.

SANITARY INSPECTION OF THE DISTRICT, MEAT INSPECTION, ETC.—A summary of the work done will be found in the Tables appended to this Report.

There is now only one small private slaughter house in the town, compared with three in 1914, consequently nearly the whole of the slaughtering is done at the Public Slaughterhouse.

HOUSING CONDITIONS.

NEW HOUSES.—The following table affords information respecting the number of new houses erected since 1895 :—

Number of Plans passed (<i>less</i> 20% for houses not erected)			Inhabitants per house.	Yearly Average.	Void
1895—1899	...	2222	—	444	—
1900—1904	...	1703	5·7	341	590 (1901)
1905—1909	...	1622	—	324	—
1910—1914	...	936	5·64	187	584 (1911)
1914—1918	...	166	6 (1918)	53	Nil (1918)

From an examination of the sugar cards in 1917, it was estimated that 4,465 houses were occupied by more than one family, and that this condition applied to 43.2 per cent. of the houses rated under £26 per annum. Further, that 1,607 of the latter class were overcrowded, although there were over 8,000 absentee voters. If the Government standard of 500 cubic feet per person were used as a standard the number of houses classified as overcrowded would have to be greatly increased.

The ration books disclosed the fact that 4,465 families were without separate accommodation.

The measures taken in 1919-1920 for providing housing accommodation were as follows :—

I.—Contemporary conversion of the Workhouse—Wooloston House—into flats, which provided accommodation for 65 families.

II.—Conversion of large private dwellings into flats, with accommodation for 14 families.

III.—Erection of 36 new houses (By Corporation 24, by Private Enterprise 12).

It was calculated in 1919 that 3,200 new houses would be required during the following 3 years to meet the unsatisfied demand for houses, taking account of growth of population, overcrowding, etc.

DILAPIDATED HOUSES.—The following is a short review of the methods adopted at Newport in dealing with old properties for many years. The War greatly interfered with this good work, and shortage of labour and financial difficulties further increased the difficulties in dealing with the matter :—

In 1903, the Newport Corporation appointed a Committee called the "Dilapidated Houses Committee" (this Committee subsequently became the "Housing Committee") to deal with cottage properties, mostly leasehold, which were insanitary. The dilapidations were of a general kind, which affected the amenities of the occupiers, but much of the work requiring attention could not be classified as a nuisance, and could therefore not be enforced legally.

Systematic inspections were made, and the principle was adopted of dealing with the worst streets first, and thus improving the whole property in those streets. Urgent cases elsewhere were dealt with as reported.

The landlords of some streets protested strongly that any monies expended on renovations were wasted, to a great extent, owing to the unsatisfactory character of the tenants who ill-treated their houses. In some streets, there were groups of very unsatisfactory tenants who lowered the character of the streets generally.

Tenants on the other hand very frequently complained that the landlords would do nothing to the houses.

It was undoubtedly the case that the majority of the cottage property owners were ignorant of the condition of the houses they owned.

On the recommendation of their officials, the Committee therefore determined to appeal to both landlords and tenants to assist in improving such properties, and in maintaining them in a satisfactory condition as far as possible.

The action taken is explained in the following circular, forwarded to the landlords after the sanitary survey of a street or group of dilapidated properties had been made :—

DEAR.....

Re Houses Situated in.....

In consequence of complaints received respecting the insanitary condition of the above houses, the Housing Committee thought it advisable to have each house inspected and a report presented to them. This has been done, and after careful consideration, the Committee gave instructions for a copy of the report on each house, with a letter containing their recommendations, to be sent to each owner, with a view of obtaining their co-operation. The particulars of the recommendations are as follows :—

You are asked to be good enough to put your property in a good sanitary condition, *i.e.*, to carry out the work as per attached report. Should you decide to do the whole of the work mentioned in the report, you may have the assistance of an inspector, who will see that the repairs, &c., are efficiently carried out by your Contractor. If you should curtail the work in the report, the Committee will not consider the repairs, &c., done to their satisfaction, and the periodical inspection will not be carried out by the Health Department.

After your houses have been repaired, &c., the Committee will give instructions to their officials to periodically inspect the premises, for the purpose of ascertaining if the property is being kept in a good sanitary condition by the tenants. Special attention will be given to dirty or indifferent tenants, and should any nuisance caused by the fault of the latter be discovered on the premises, such facts will be at once reported to the Committee, who will instruct a notice to be served, for the immediate abatement of the nuisance, and to take proceedings if not remedied.

I am,

Your obedient Servant,

Inspector of Nuisances.

On the completion of the renovations to the satisfaction of the officials and the Committee, the tenants were served with a notice as follows :—

NOTICE TO OCCUPIER OF DWELLING HOUSE.

Name.....

Address.....

NOTICE IS HEREBY GIVEN that the Owner of the House occupied by you has recently repaired, renovated, and cleansed such house, and it is the duty of the Tenant or Occupier to keep the house and premises generally clean and in a thoroughly sanitary condition.

Any Occupier who fails to keep the house in a clean and sanitary condition, or who allows a sub-tenant to neglect his or her rooms, so that they get into a dirty state, WILL BE PROSECUTED in pursuance of the Public Health Acts.

By Order of the Health Committee,

Town Clerk.

Medical Officer of Health.

The following summary from a report by the Chief Sanitary Inspector, Spencer E. Jones, explains the scope of the Committee's work :—

"The renewals, repairs, and renovations considered necessary to render a house reasonably fit for habitation are as follows (Medical Officer of Health's Annual Report, 1912, page 58) :—

"Re-building and repairing dangerous or defective chimney stacks; making defective roofs thoroughly water-tight; repairing and renewing defective eave gutters and down pipes; repairing and renewing defective and decayed external wall plaster; paving and draining unpaved or defectively paved yards; making good all defective drainage; replacing defective sanitary fittings with sound ones, and fixing flushing apparatus to closets without water supply; repairing and renewing defective or decayed windows and making all windows to open; thoroughly cleansing and scraping and repairing of internal walls and ceilings; repairing of floors; repairing and renewing of dilapidated fireplaces and grates; fixing of hand-rails to staircases; repairing or renewing of balusters, stairtreads, &c., and of doors and skirtings; providing through ventilation and sufficient light where the same are absent or insufficient; providing proper air-space around or at back of dwellings where same is obstructed by temporary out-buildings, &c.; the cleansing of yards, and the removal of accumulations of refuse, &c."

The above scheme has benefitted both landlord and tenant.

The Property Owners' Association and others who were very critical of the early efforts of the Committee have so much appreciated the new method adopted by the Housing Committee, that a large number of houses were renovated and repaired up to the early part of 1917 without the usual statutory notices; in fact, several owners applied to the Health Department to have their properties inspected, and a report of the requirements made and sent to them with the view of having their properties placed on the "Supervision List," after the work recommended by the Authorities had been carried out.

The institution of systematic inspection of such houses quarterly has also produced a marked improvement in the habits of indifferent tenants, who had given the officials much trouble in the past.

Neglect on the part of tenants is followed by a notice calling upon them to remedy any domestic nuisances caused by them personally. These indifferent tenants dread any marked attention being paid to their houses by the Inspector, as the fact soon becomes known to their neighbours.

In some streets groups of bad tenants were dispersed by the landlords, with satisfactory results.

From 1903 to 1917 :—

- 4035 houses were systematically inspected;
- 3535 houses were dealt with by the Committee;
- 51 houses were closed;
- 1925 houses were repaired;
- 9917 systematic inspections were made, and in addition
- 39,439 visits were made to supervise the work or repairs, &c.

During the same period, over 550 houses were placed on the Supervision List, after being repaired to the satisfaction of the Committee and officials. Many of these were done 10 or 11 years ago, yet only 24 of these 550 houses have required any repairs or renovations apart from urgent repairs to roofs, gutterings, down pipes, or choked drains. The system has therefore been, broadly speaking, an economical one for the landlords, as well as beneficial to the tenants. The Chief Sanitary Inspector, Mr. Spencer E. Jones, in a report made in 1913, summarised the results as follows :—

I. It enables the Committee to deal with property that is not in a state, or so dangerous or injurious to health as to be unfit for habitation, although in need of repair. Most of the houses in a street can be dealt with at the same time.

II. It greatly assist the owners in keeping their houses in a better sanitary condition, and encourages them to seek the assistance of the Sanitary Authority when they have property which unsatisfactory tenants are continually rendering insanitary.

III. It educates the tenants in their duties and responsibilities.

IV. It obviates the expense, unpleasantness, and delay incurred when legal notices are served, should the owners appeal to the Ministry of Health against the notices, under Sections 15 and 17 of the Housing and Town Planning Act.

WORK DONE DURING 1920.

I. INSPECTION.—

(1) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts) :—

Infectious Diseases enquiries	...	2643
Systematic Inspection enquiries	...	1097
Private Houses enquiries	...	1323
Seamen's Lodging Houses	...	643
Sub-let Houses	...	123
Inspection <i>re</i> Cleanliness	...	535
		<hr/> 6364

(2) Number of dwelling houses which were inspected and recorded under the Housing (Inspection of Districts) Regulations, 1910 :—

Systematic	...	1097
Private	...	1323
		<hr/> 2420

(3) Number of Houses found to be in a state so dangerous or injurious as to be unfit for human habitation—21.

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-heading (3) found not to be in all respects reasonably fit—1,024.

II. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling houses rendered fit in consequence of informal action by the L.A. or their Officers—1,024.

III. ACTION UNDER STATUTORY POWERS.—Nil.

In all cases informal notices were served and the requirements complied with without recourse to statutory action. In all a total of 11,204 visits and re-visits were made in connection with the above work. 624 houses with a population of 4,307 persons were on the Supervision List at the end of the year.

HOUSES LET IN LODGINGS.

Bye-laws exist for the regulation of the above. The conditions of overcrowding which exist in the town have seriously interfered with the proper control of such premises. 123 inspections were made to registered sub-let houses, and 8 notices were served to remedy defects, &c.

VANS AND TENTS.

Bye-laws are desirable for the control of such dwellings.

Details of the inspections and re-visits and of the defects discovered, and the results of the action taken in reference to Factories, Workshops, Workplaces, and Out-workers' premises will be found in Tables 19 to 26, and 28.

Table 27 deals with Infectious Diseases at Registered premises.

Table 29 shows the amount of meat and other foods condemned and destroyed, or sent to the Destructor for conversion into animal foods or fertilisers.

Meteorological information for the year will be found in Table 30, whilst Tables 31, 32 and 33 give summaries of the work done by Inspector Spencer Jones and the Assistant Inspectors, by which it will be seen that the total number of inspections and re-visits amounted to 41,230.

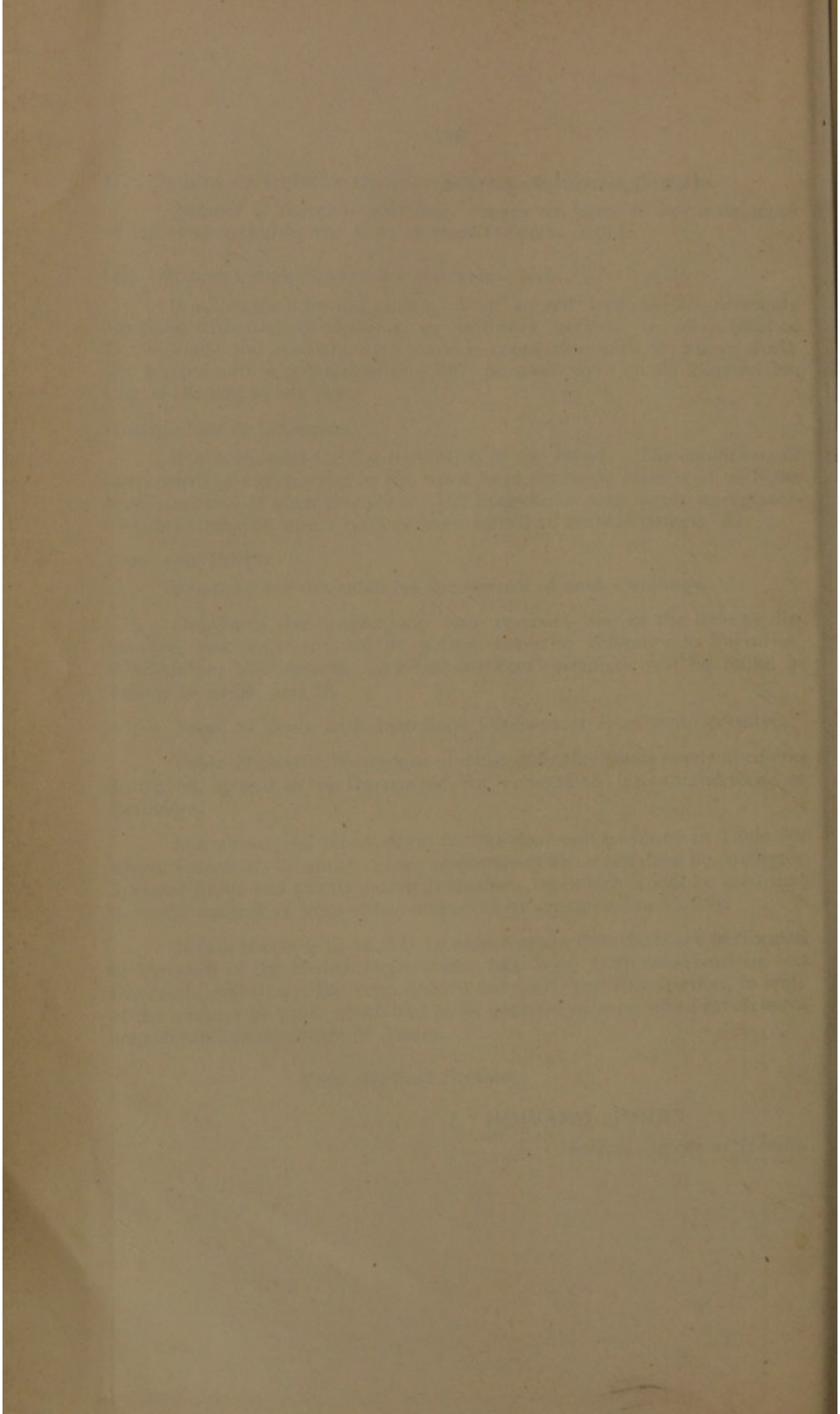
It is a pleasure to be able to report again that the work performed by the staff of the Health Department has been both conscientious and thorough, and that it has been carried out with very little friction, in spite of the amount of work which had to be done by owners, often involving a considerable expenditure of money.

Your obedient Servant,

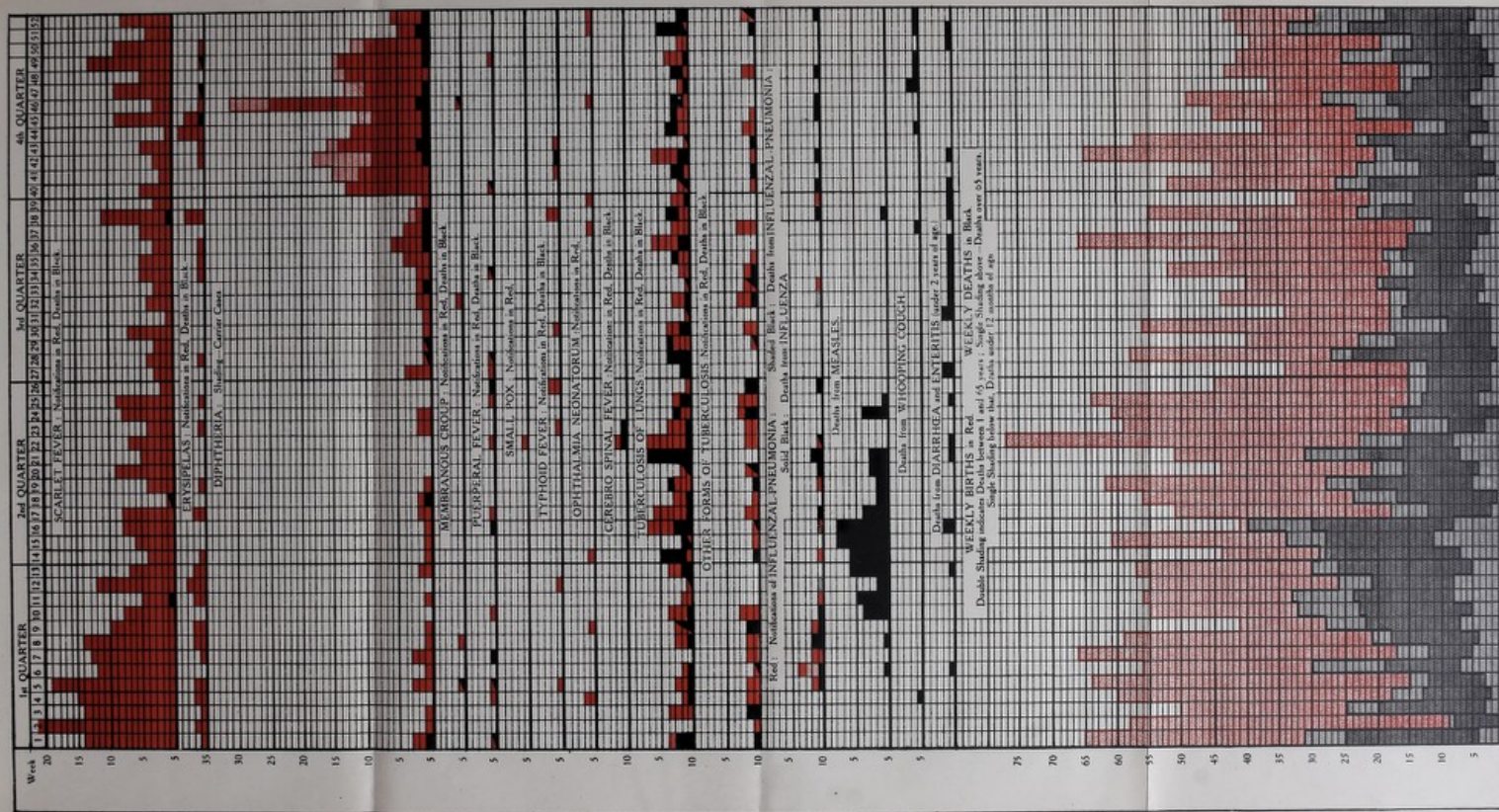
J. HOWARD JONES,

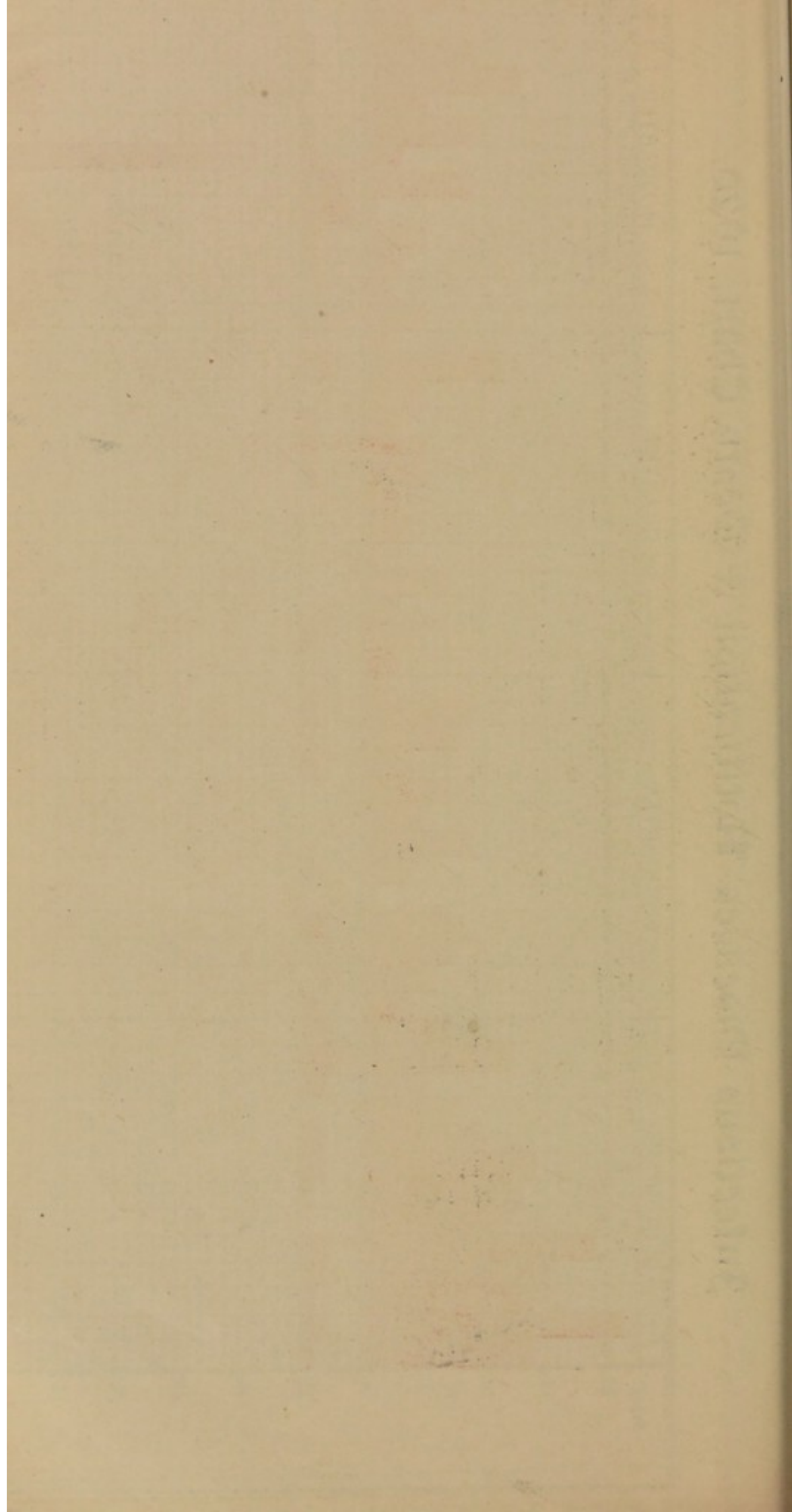
Medical Officer of Health.

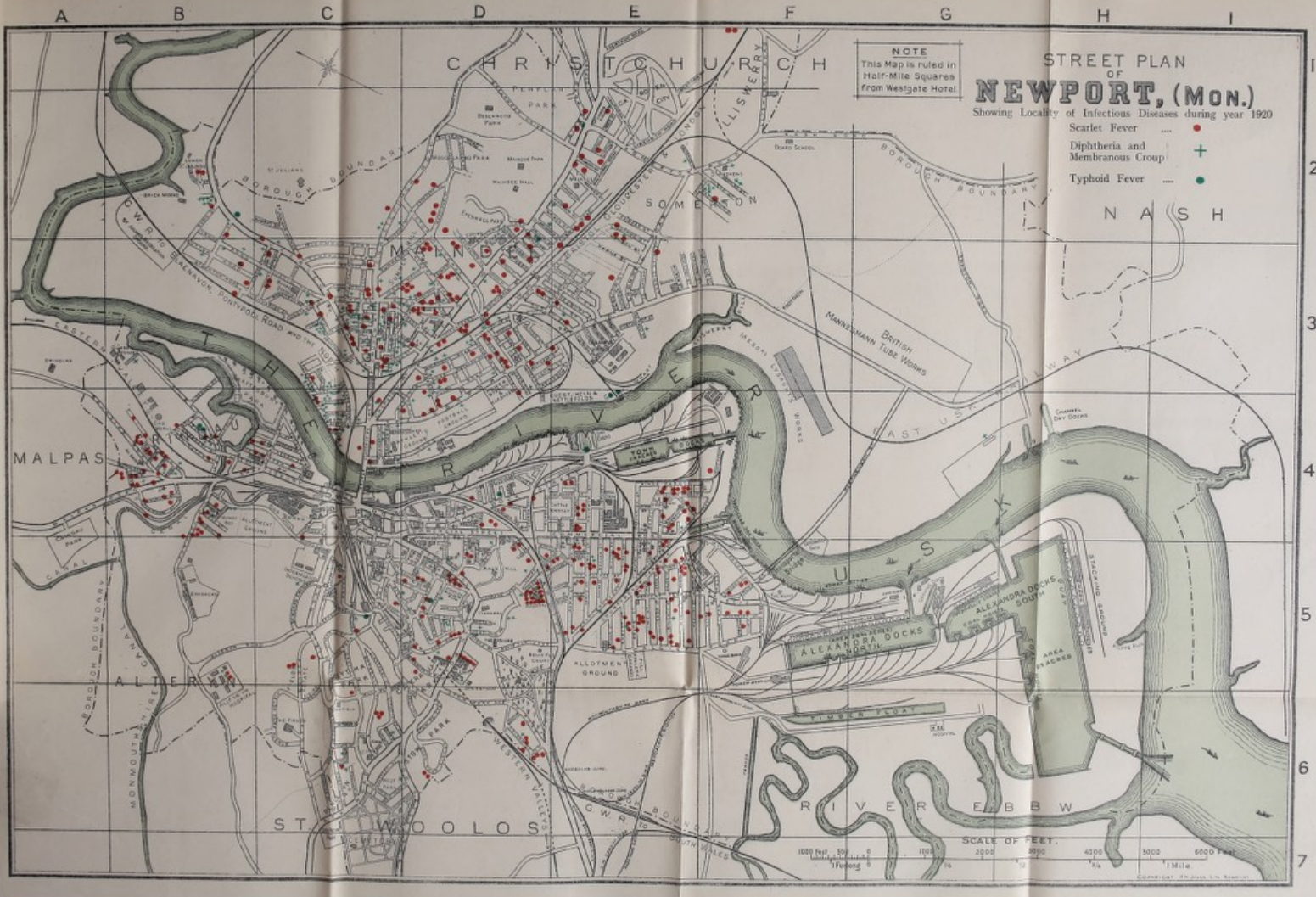
Collection of Manuscripts, Printed and Written, 1700-1800



Infectious Diseases Notification & Death Chart, 1920.







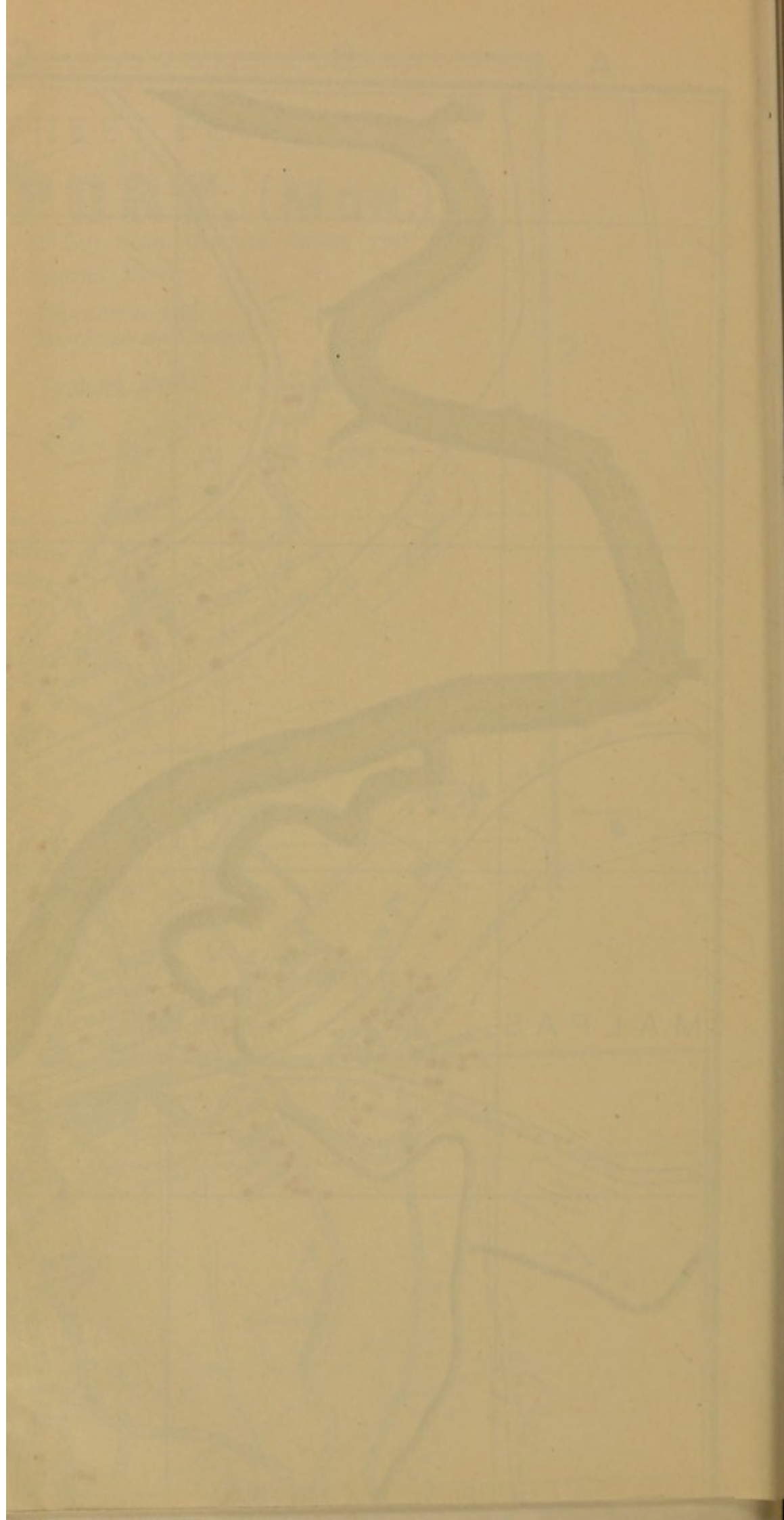


Table 1.

CENSUS STATISTICS RELATING TO THE VARIOUS WARDS, REVISED TO 30th JUNE, 1919.

Wards.	Census 1911.							Increase in No. of Houses from July 1st, 1914, to June 30, 1919	June, 1919.						
	Number of Families (or separate occupiers),	No. of Houses.			No. of Persons.				Average No. of Persons per Inhabited Building.	Estimated No. of Houses.	Area (in acres)	Density (persons per acre)			
		Inhabited	Void	Building	Male	Female	Total								
Crindau ...	1769	1475	44	4	4331	4217	8548	5.79	22	9213	1617	...	5.70	277	33.26
Caerau ...	1861	1633	70	3	3924	4812	8736	5.35	72	9429	1851	...	5.08	502	18.78
St. Woolos	1430	1296	58	2	3284	3982	7266	5.60	32	6962	1428	...	4.88	244	28.53
Tredegar...	1539	1036	47	7	3692	3467	7159	6.91	11	7303	1114	...	6.56	79	92.44
Alexandra	1884	1300	66	7	5783	4531	10314	7.93	9	10377	1380	...	7.52	1251	8.30
Central ...	1418	1096	60	1	4316	3484	7800	7.11	2	7763	1156	...	6.71	194	40.02
St. Julians	2061	1870	36	15	4603	4757	9360	5.00	34	10089	2002	...	5.04	421	23.96
Maindee ...	1607	1431	61	—	3394	3735	7129	4.98	1	7212	1498	...	4.81	273	26.42
Victoria ...	1674	1513	65	23	4076	4056	8132	5.37	4	8547	1627	...	5.25	175	48.88
Lliswerry...	1810	1599	77	4	4771	4476	9247	5.78	81	10356	1860	...	5.57	1604	6.46
Whole Borough	17053	14249	584	66	42174	41517	83691*	5.87	264 (nett)	87251†	15533	...	5.61	5020†	17.38

* Includes 1374 Persons on 115 vessels in Docks and at Wharves.

† Civil Population only (excludes men who have joined colours).

‡ Includes 589 acres covered by water (River included).

Table 2.
CAUSE OF, AND AGES AT, DEATH DURING THE YEAR 1919.

[illegible]

Table 3.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1919
AND PREVIOUS YEARS.

Year	Popula- tion estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		TRANSFER- ABLE DEATHS		NET DEATHS BELONGING TO THE DISTRICT			
		Un- correct- ed Number	Net		Number	Rate	of Nonres- idents regis- tered in the District	of Resi- dents not regis- tered in the District	Under 1 Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1000 net Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
five y'rs Av'rage 1909-1913	84142	2398	2397	28.48	1162	13.81	67	37	274	114.3	1132	13.45
five y'rs Av'rage 1914-1918	82335*	2011	2013	22.60	1102	13.38	87	138	204	101.4	1153	14.01
1914	89086†	2275	2265	25.80	1254	14.28	106	40	268	118.3	1188	13.53
1915	80379*	2185	2180	24.82	1154	14.35	94	95	216	99.0	1155	14.37
1916	87819†	1999	2002	23.21	1077	13.39	67	155	211	105.4	1165	14.69
1917	79287*	1776	1784	19.35	978	11.82	81	186	160	89.2	1083	13.09
1918	86266†	1821	1836	20.11	1045	12.82	85	215	166	90.4	1175	14.42
1919	82709*	1998	2011	22.12	1050	12.03	91	165	161	80.0	1124	12.88
	92197†											
	81483*											
	91299†											
	87251*											
	90890†											

*Civil population for Death Rates.

†Population for Birth rates.

Table 4.

TABLE SHOWING, FOR COMPARISON,
THE VITAL STATISTICS OF NEWPORT, MON.,
AND 38 OTHER LARGE TOWNS.
(BASED ON REGISTRAR GENERAL'S FIGURES.)

TOWN.	Birth Rate.	Crude Death Rate.	Zymotic Death Rate (6 principal Diseases).	Per 1,000 Births.	
				Diarrhoea & Enteritis under two y'rs of age	Deaths under one year
Barrow-in-Furness ...	24.4	13.8	.60	3.73	99
Birkenhead ...	22.0	14.2	.52	12.98	103
Blackburn ...	14.0	16.0	.14	8.71	96
Bootle ...	23.7	15.0	.49	19.45	97
Brighton ...	14.2	14.1	.14	5.09	79
Bristol ...	17.8	13.4	.26	7.16	83
Burnley ...	15.2	15.3	.50	11.88	119
Bury ...	13.1	16.5	.09	5.38	94
Cardiff ...	17.7	12.7	.47	16.68	95
Coventry ...	18.1	9.7	.31	4.03	84
Gateshead ...	25.9	17.1	.95	14.41	116
Great Yarmouth ...	18.4	15.4	.45	16.73	104
Grimsby ...	21.5	12.7	.33	9.07	80
Halifax ...	13.1	15.4	.32	6.47	95
Huddersfield...	12.7	14.8	.19	4.71	98
Ipswich ...	17.6	13.1	.33	7.71	70
Merthyr Tydfil ...	24.6	14.7	.24	10.90	92
Middlesbrough ...	26.7	18.6	2.07	25.77	139
Newport, Mon. ...	21.7	12.9	.24	7.60	81
Northampton ...	15.0	13.6	.22	2.88	84
Plymouth ...	21.8	15.6	.46	15.46	86
Preston ...	17.1	14.8	.46	15.82	108
Reading ...	16.7	12.0	.13	5.65	69
Rochdale ...	13.9	15.6	.38	9.17	125
St. Helens ...	25.6	15.1	.48	10.05	118
Smethwick ...	21.6	13.1	.26	8.64	85
Southampton ...	19.4	13.0	.23	8.26	74
South Shields ...	26.9	16.7	.52	18.53	118
Stockport ...	15.1	13.3	.22	7.10	98
Sunderland ...	27.1	17.6	.67	18.76	121
Swansea ...	18.2	12.9	.26	10.19	104
Tynemouth ...	25.9	18.5	.81	16.63	128
Wallasey ...	14.3	11.4	.15	4.22	79
Walsall ...	21.7	14.6	.52	19.07	108
West Bromwich ...	23.6	15.0	.47	7.57	103
West Hartlepool ...	24.6	17.0	.49	8.94	112
Wigan ...	23.1	16.2	.41	18.58	117
Wolverhampton ...	20.2	15.4	.23	20.75	102
York ...	16.9	13.9	.24	18.26	100
England and Wales ...	18.5	13.8	.35	10.22	89
82 Large Towns (C.B.) ...	19.2	14.6	.42	12.02	99
Birth Rate ...	...	...	Higher in 14	Lower in 23	
General Death Rate ...	...	...	do. 32	do. 5	
Zymotic Death Rate ...	...	...	do. 26	do. 10	
Diarrhoeal Death Rate (per 1,000 Births) ...	...	...	do. 26	do. 12	
Infant Death Rate do. do. ...	...	...	do. 32	do. 6	

Table 5.

INFANT MORTALITY DURING THE YEAR 1919.

Nett Deaths from stated Causes at various ages under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 4 Weeks	4 Wks & under 3 M's	3-6 Months	6-9 Months	9-12 Months	Total Deaths under 1 Year
All Causes	Certified ...	48	11	5	8	72	36	17	11	17	153
	Uncertified ...	1	...	1	...	2	...	1	...	...	3
	Inquests ...	2	...	...	...	2	2	1	...	...	5
Small-pox ...		...	...	...	...	...	...	...	...	...	...
Chicken-pox ...		...	...	...	...	...	...	...	...	...	...
Measles ...		...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...		...	...	...	...	...	...	...	...	...	...
Whooping Cough ...		...	...	...	...	...	1	1	...	1	3
Diphtheria and Croup ...		...	...	...	...	...	...	...	...	...	...
Erysipelas ...		...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis ...		...	...	...	...	...	...	1	...	...	1
Abdominal Tuberculosis ...		...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases ...		...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous) ...		...	...	...	...	...	1	...	1	...	2
Convulsions ...		...	3	3	2	8	2	4	...	...	14
Laryngitis ...		...	...	...	...	...	1	...	...	...	1
Bronchitis ...		...	...	1	...	1	5	2	2	2	12
Pneumonia (all forms) ...		1	...	...	1	2	1	2	3	11	19
Diarrhoea ...		...	...	...	...	...	1	...	...	...	1
Enteritis ...		...	...	...	...	...	10	1	1	...	12
Gastritis ...		...	...	...	...	...	...	1	...	1	2
Syphilis ...		...	...	...	...	...	1	...	...	...	1
Rickets ...		...	...	...	...	...	...	...	...	...	...
Suffocation, overlying Injury at Birth...		...	...	...	...	...	1	...	...	...	1
Atelectasis ...		2	...	...	...	2	...	...	...	...	2
Congenital Malformations ...		4	3	...	1	8	1	3	...	...	12
Premature Birth ...		30	4	1	4	39	7	...	2	...	48
Atrophy, Debility and Marasmus ...		5	1	1	1	8	5	...	1	...	14
Other Causes ...		6	...	1	1	8	1	1	...	...	10
Influenza ...		...	...	...	...	...	...	3	1	2	6
Totals ..		51	11	6	8	76	38	19	11	17	85

Nett number of Births in the year—Legitimate, 1934; Illegitimate, 77.

Nett number of Deaths in the year—Legitimate Infants, 152; Illegitimate Infants, 9.

Legitimate rate, 78.6; Illegitimate rate, 116.8. Total rate, 80.5.

Table 5.

INFANT MORTALITY DURING THE YEAR 1919.

Municipality		Infants		Deaths		Rate	
Name		Number		Number		Per 1,000	
Alameda		1,234		156		12.65	
Albany		987		123		12.46	
Albany		1,567		189		12.06	
Albany		2,345		287		12.24	
Albany		3,456		423		12.24	
Albany		4,567		567		12.42	
Albany		5,678		701		12.35	
Albany		6,789		845		12.45	
Albany		7,890		987		12.50	
Albany		8,901		1,123		12.50	
Albany		9,012		1,234		13.69	
Albany		10,123		1,345		13.28	
Albany		11,234		1,456		12.96	
Albany		12,345		1,567		12.69	
Albany		13,456		1,678		12.47	
Albany		14,567		1,789		12.28	
Albany		15,678		1,901		12.12	
Albany		16,789		2,012		12.00	
Albany		17,890		2,123		11.87	
Albany		18,901		2,234		11.79	
Albany		19,012		2,345		12.34	
Albany		20,123		2,456		12.21	
Albany		21,234		2,567		12.09	
Albany		22,345		2,678		11.99	
Albany		23,456		2,789		11.90	
Albany		24,567		2,901		11.81	
Albany		25,678		3,012		11.73	
Albany		26,789		3,123		11.66	
Albany		27,890		3,234		11.59	
Albany		28,901		3,345		11.54	
Albany		29,012		3,456		11.88	
Albany		30,123		3,567		11.84	
Albany		31,234		3,678		11.78	
Albany		32,345		3,789		11.72	
Albany		33,456		3,901		11.66	
Albany		34,567		4,012		11.61	
Albany		35,678		4,123		11.56	
Albany		36,789		4,234		11.52	
Albany		37,890		4,345		11.48	
Albany		38,901		4,456		11.45	
Albany		39,012		4,567		11.71	
Albany		40,123		4,678		11.66	
Albany		41,234		4,789		11.61	
Albany		42,345		4,901		11.57	
Albany		43,456		5,012		11.54	
Albany		44,567		5,123		11.50	
Albany		45,678		5,234		11.46	
Albany		46,789		5,345		11.43	
Albany		47,890		5,456		11.40	
Albany		48,901		5,567		11.38	
Albany		49,012		5,678		11.37	
Albany		50,123		5,789		11.36	
Albany		51,234		5,901		11.34	
Albany		52,345		6,012		11.32	
Albany		53,456		6,123		11.30	
Albany		54,567		6,234		11.29	
Albany		55,678		6,345		11.28	
Albany		56,789		6,456		11.27	
Albany		57,890		6,567		11.26	
Albany		58,901		6,678		11.25	
Albany		59,012		6,789		11.24	
Albany		60,123		6,901		11.23	
Albany		61,234		7,012		11.22	
Albany		62,345		7,123		11.21	
Albany		63,456		7,234		11.20	
Albany		64,567		7,345		11.19	
Albany		65,678		7,456		11.18	
Albany		66,789		7,567		11.17	
Albany		67,890		7,678		11.16	
Albany		68,901		7,789		11.15	
Albany		69,012		7,901		11.14	
Albany		70,123		8,012		11.13	
Albany		71,234		8,123		11.12	
Albany		72,345		8,234		11.11	
Albany		73,456		8,345		11.10	
Albany		74,567		8,456		11.09	
Albany		75,678		8,567		11.08	
Albany		76,789		8,678		11.07	
Albany		77,890		8,789		11.06	
Albany		78,901		8,901		11.05	
Albany		79,012		9,012		11.04	
Albany		80,123		9,123		11.03	
Albany		81,234		9,234		11.02	
Albany		82,345		9,345		11.01	
Albany		83,456		9,456		11.00	
Albany		84,567		9,567		10.99	
Albany		85,678		9,678		10.98	
Albany		86,789		9,789		10.97	
Albany		87,890		9,901		10.96	
Albany		88,901		10,012		10.95	
Albany		89,012		10,123		10.94	
Albany		90,123		10,234		10.93	
Albany		91,234		10,345		10.92	
Albany		92,345		10,456		10.91	
Albany		93,456		10,567		10.90	
Albany		94,567		10,678		10.89	
Albany		95,678		10,789		10.88	
Albany		96,789		10,901		10.87	
Albany		97,890		11,012		10.86	
Albany		98,901		11,123		10.85	
Albany		99,012		11,234		10.84	
Albany		100,123		11,345		10.83	
Albany		101,234		11,456		10.82	
Albany		102,345		11,567		10.81	
Albany		103,456		11,678		10.80	
Albany		104,567		11,789		10.79	
Albany		105,678		11,901		10.78	
Albany		106,789		12,012		10.77	
Albany		107,890		12,123		10.76	
Albany		108,901		12,234		10.75	
Albany		109,012		12,345		10.74	
Albany		110,123		12,456		10.73	
Albany		111,234		12,567		10.72	
Albany		112,345		12,678		10.71	
Albany		113,456		12,789		10.70	
Albany		114,567		12,901		10.69	
Albany		115,678		13,012		10.68	
Albany		116,789		13,123		10.67	
Albany		117,890		13,234		10.66	
Albany		118,901		13,345		10.65	
Albany		119,012		13,456		10.64	
Albany		120,123		13,567		10.63	
Albany		121,234		13,678		10.62	
Albany		122,345		13,789		10.61	
Albany		123,456		13,901		10.60	
Albany		124,567		14,012		10.59	
Albany		125,678		14,123		10.58	
Albany		126,789		14,234		10.57	
Albany		127,890		14,345		10.56	
Albany		128,901		14,456		10.55	
Albany		129,012		14,567		10.54	
Albany		130,123		14,678		10.53	
Albany		131,234		14,789		10.52	
Albany		132,345		14,901		10.51	
Albany		133,456		15,012		10.50	
Albany		134,567		15,123		10.49	
Albany		135,678		15,234		10.48	
Albany		136,789		15,345		10.47	
Albany		137,890		15,456		10.46	
Albany		138,901		15,567		10.45	
Albany		139,012		15,678		10.44	
Albany		140,123		15,789		10.43	
Albany		141,234		15,901		10.42	
Albany		142,345		16,012		10.41	
Albany		143,456		16,123		10.40	
Albany		144,567		16,234		10.39	
Albany		145,678		16,345		10.38	
Albany		146,789		16,456		10.37	
Albany		147,890		16,567		10.36	
Albany		148,901		16,678		10.35	
Albany		149,012		16,789		10.34	
Albany		150,123		16,901		10.33	
Albany		151,234		17,012		10.32	
Albany		152,345		17,123		10.31	
Albany		153,456		17,234		10.30	
Albany		154,567		17,345		10.29	
Albany		155,678		17,456		10.28	
Albany		156,789		17,567		10.27	
Albany		157,890		17,678		10.26	
Albany		158,901		17,789		10.25	
Albany		159,012		17,901		10.24	
Albany		160,123		18,012		10.23	
Albany		161,234		18,123		10.22	
Albany		162,345		18,234		10.21	
Albany		163,456		18,345		10.20	
Albany		164,567		18,456		10.19	
Albany		165,678		18,567		10.18	
Albany		166,789		18,678		10.17	
Albany		167,890		18,789		10.16	
Albany		168,901		18,901		10.15	
Albany		169,012		19,012		10.14	
Albany		170,123		19,123		10.13	
Albany		171,234		19,234		10.12	
Albany		172,345		19,345		10.11	
Albany		173,456		19,456		10.10	
Albany		174,567		19,567		10.09	
Albany		175,678		19,678		10.08	
Albany		176,789		19,789		10.07	
Albany		177,890		19,901		10.06	
Albany		178,901		20,012		10.05	
Albany		179,012		20,123		10.04	
Albany		180,123		20,234		10.03	
Albany		181,234		20,345		10.02	
Albany		182,345		20,456		10.01	
Albany		183,456		20,567		10.00	
Albany		184,567		20,678		9.99	
Albany		185,678		20,789		9.98	
Albany		186,789		20,901		9.97	
Albany		187,890		21,012		9.96	
Albany		188,901		21,123		9.95	
Albany		189,012		21,234		9.94	
Albany		190,123		21,345		9.93	
Albany		191,234		21,456		9.92	
Albany		192,345		21,567		9.91	
Albany		193,456		21,678		9.90	
Albany		194,567		21,789		9.89	
Albany		195,678		21,901		9.88	
Albany		196,789		22,012		9.87	
Albany		197,890		22,123		9.86	
Albany		198,901		22,234		9.85	
Albany		199,012		22,345		9.84	
Albany		200,123		22,456		9.83	
Albany		201,234		22,567		9.82	
Albany		202,345		22,678		9.81	
Albany		203,456		22,789		9.80	
Albany		204,567		22,901		9.79	
Albany		205,678		23,012		9.78	
Albany		206,789		23,123		9.77	
Albany		207,890		23,234		9.76	
Albany		208,901		23,345		9.75	
Albany		209,012		23,456		9.74	
Albany		210,123		23,567		9.73	
Albany		211,234		23,678		9.72	
Albany		212,345		23,789		9.71	
Albany		213,456		23,901		9.70	
Albany		214,567		24,012		9.69	
Albany		215,678		24,123		9.68	
Albany		216,789		24,234		9.67	
Albany		217,890		24,345		9.66	
Albany		218,901		24,456		9.65	
Albany							

Table 7.

List of Cases supplied with Milk and Oatmeal during year ended December 31st, 1919.

WARD SUMMARY.

WARD.	Mothers.	Nursing Mothers.	Expectant Mothers.	Children.	Infants.	Total Cases	Milk Supplied.		Oatmeal Supplied.	
							Amount Qts.	Cost.	Amount Lbs.	Cost.
Crindau ..	2	36	1	4	1	44	988½	£ 35 9 1½	39	£ 0 14 11½
Caerau ...	1	12	1	2	...	16	392	16 3 7	12	0 4 6
St. Woolos ...	...	3	1	...	...	4	112	4 9 2	15	0 5 7½
Tredegar ...	2	2	3	1	2	10	212	7 14 6	11	0 4 5½
Alexandra ...	1	13	6	4	4	28	728	27 10 5	44	0 16 11
Central ...	1	18	5	2	...	26	623	23 10 7½	57	1 4 4
Maindee ...	...	2	1	1	2	6	154	5 18 8	17	0 7 4½
St. Julian ...	...	1	...	...	...	1	14	0 11 8	...	...
Victoria ...	...	8	3	2	2	15	333	12 10 5	14	0 5 6
Lliswerry ...	2	18	1	2	...	23	485½	19 5 10½	31	0 12 11
Totals ...	9	113	22	18	11	173	4042	£153 4 0	240	£4 16 7

Table 9.

DEATH RATES (PER 1,000 LIVING) IN EACH WARD FROM EACH OF THE SEVEN
PRINCIPAL ZYMOTIC DISEASES.

Ward.	Measles.		Scarlet Fever.		Diphtheria and Membranous Croup.		Whooping Cough.		Enteric Fever.		Diarrhoea. (under 2 years of age)		Total 7 Principal.	
	1919.	1918.	1919.	1918.	1919.	1918.	1919.	1918.	1919.	1918.	1919.	1918.	1919.	1918.
Crindau	-	'23	'11	...	...	...	...	'58	...	'12	'11	'12	'22	1'04
Caerau	-	'79	'11	...	...	...	...	'23	...	'23	...	'23	'11	1'36
St. Woolos	-	...	...	...	'15	...	...	...	...	'15	...	'15	'14	'31
Tredegar	-	'29	...	...	'14	...	'14	'29	...	...	'14	...	'41	'59
Alexandra	-	'62	'19	...	...	...	'10	'31	'10	'10	'38	'31	'77	1'34
Central	-	'55	...	...	...	...	...	'28	...	...	'52	'14	'52	'97
St. Julians	-	'11	...	...	...	...	...	'42	...	...	...	'11	...	'64
Maindee	-	...	...	...	'28	...	'14	...	...	...	...	...	'42	...
Victoria	-	...	...	...	...	...	'12	'62	...	...	'35	'12	'47	'75
Lliswerry	-	'41	'38	...	'10	...	'19	'21	...	...	'10	'31	'77	'93
Total	Nil	'32	'09	Nil	'06	'01	'09	'31	'01	'04	'16	'16	'39	'84

N.B.—No death occurred from Small Pox in either of the above years.

Table 10.

VACCINATION STATISTICS.

Returns as to the Vaccination of Children Born each Year from July 1st, 1896,
to June 30th, 1919.

YEAR. (ended June 30)	Births	Successfully Vaccinated	Insusceptible of Vaccination	Had Small Pox	Dead Unvaccinated	Postponed by Medical Certificate	Removed to Districts the Vaccination Officer of which has been appraised	Removed to Districts unknown or that cannot be reached, and cases not having been found	In Abeyance	Certificates of Exemption	Percentage successfully Vaccinated
1897	1995	1614	13	..	223	27	25	73	20	...	91.08
1898	2160	1598	28	...	249	69	4	100	97	15	83.6
1899	2226	1545	26	1	269	94	10	93	103	78	79.
1900	2103	1534	7	...	...	49	11	79	60	110	85.
1901	2185	1627	6	1	269	23	16	99	32	113	85.
1902	2213	1799	5	...	219	30	10	66	9	75	90.2
1903	2345	1910	4	...	222	43	15	69	13	69	90.1
1904	2281	1809	7	...	260	57	12	60	5	71	89.3
1905	2365	1881	12	...	226	56	18	80	3	89	87.9
1906	2354	1759	8	...	247	124	13	99	6	98	83.4
1907	2427	1798	9	...	247	115	13	143	6	96	82.4
1908	2479	1580	7	...	240	201	16	162	9	264	70.5
1909	2520	1470	8	...	208	106	14	170	4	540	63.5
1910	2452	1306	11	...	216	93	11	151	2	662	58.4
1911	2348	1048	3	...	206	100	14	152	5	820	48.8
1912	2340	968	6	...	214	75	10	164	...	903	45.5
1913	2301	922	4	...	190	72	12	121	...	980	43.7
1914	2443	885	4	...	206	117	9	152	...	1070	39.7
1915	2148	739	2	...	153	104	13	137	...	970	37.1
1916	2043	763	3	...	151	117	16	105	...	885	40.7
1917	1891	695	3	...	132	125	11	82	...	843	39.8
1918	1786	653	8	...	137	114	10	59	...	805	40.0
1919	1762	603	5	...	132	107	5	86	...	824	37.2

Table 11.

ANALYSIS OF INFECTIOUS DISEASES, NOTIFICATIONS, YEAR 1919.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.								At all Ages. Corresponding period last year.	TOTAL CASES NOTIFIED IN EACH WARD.										NO. OF CASES REMOVED TO HOSPITAL FROM EACH WARD.										Cases Admitted from outside Borough.	Total Admissions.		
	At Ages—Years.									Crindau.	Caerau.	St. Woolos.	Tredegar.	Alexandra.	Central.	St. Julians.	Mamdee.	Victoria.	Llswerry.	Crindau.	Caerau.	St. Woolos.	Tredegar.	Alexandra.	Central.	St. Julians.	Mamdee.	Victoria.	Llswerry.				
	Under 1.	1 to 2.	2 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and up- wards																									
Diphtheria—																																	
Males ...	...	...	3	13	2	1	1	...	51	29	5	3	3	3	3	2	6	10	6	10	3	1	1	2	3	...	2	1	4	9	5	34*
Females ...	...	1	1	7	17	1	3	1	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	4	6
Membranous Croup—																																	
Males ...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	4	6
Females ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas—																																	
Males ...	...	2	1	...	1	3	10	7	1	47	25	6	2	8	2	10	9	1	2	3	4	...	...	1	1	...	...	...	...	...	...	2
Females ...	...	...	2	2	7	4	5	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever—																																	
Males ...	...	1	7	41	129	8	3	...	421	82	91	32	32	31	46	21	23	21	30	94	56	17	22	16	21	12	8	12	13	65	3	245*
Females ...	...	...	4	53	147	18	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric Fever—																																	
Males ...	...	...	...	...	2 ¹	1	1	...	8	4	2	1	3 ¹	...	2	...	...	...	...	...	2	1	2 ¹	...	2	...	...	...	...	...	1	8*
Females ...	...	...	...	...	2	1	1	...	...	...	...	...	...	1	1	...	...	...	...	...	1†	...	...	1†	1†	...	...	...	...	...	...	3†
Puerperal Fever	...	...	...	...	...	4	...	...	4	...	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculosis																																	
(Lungs)—																																	
Males ...	...	...	...	9	18	26	13	...	119	132	13	11	11	10	15	13	12	9	12	13	3	4	3	1	1	2	...	5	...	3	22	44
Females ...	...	...	1	3	16	26	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(Other Forms)—																																	
Males ...	...	1	2	4	13	4 ¹	4 ²	...	51	66	5 ¹	4 ¹	2	7 ¹	6	3	7	7	4	6	...	...	...	...	...	...	...	...	...	...	...	...
Females ...	...	...	2	3	10	7	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia																																	
Neonatorum—																																	
Males ...	...	9	...	...	...	...	...	...	19	15	4	3	1	1	2	2	2	1	2	1	...	...	...	...	...	...	...	...	...	...	...	...
Females ...	...	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	8	5	27	51	5	2	...	98	1467	4	6	4	14	25	11	16	4	4	10	...	...	...	...	...	...	...	...	...	...	...	...
German Measles	...	...	1	6	12	3	3	...	25	47	1	8	2	2	2	...	4	1	4	1	...	...	...	...	...	...	...	...	...	...	...	...
Influenza Pneumonia																																	
Males ...	...	...	...	1	...	...	1	...	3	...	...	...	...	...	...	2	...	...	...	1	...	...	...	...	48	7	...	1	1	...	...	57§
Females ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Primary Acute Pneumonia—																																	
Males ...	...	1	2	3	6	8 ¹	11	5	1	67	...	11	5	8 ¹	5	8	18	1	4	7	...	...	...	...	1†	...	...	...	...	...	...	1†
Females ...	...	1	1	5	6	5	10	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentery—																																	
Males ...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females ...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria—																																	
Males ...	...	...	...	...	2	6	1	...	9	...	1	1	...	1	2	1	1	2	...	...	...	...	...	...	2	...	...	...	...	...	...	2
Females ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Small Pox—Male	...	...	...	...	1	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1†	...	...	...	...	...	...	1†
Totals ...	34	26	155	421	112	127	44	6	925	1868	145	76	74	78	123	82	73	62	72	140	65	23	29	21	80	21	11	23	18	77	35	403*	

The Small figures denote Military Cases and are included in large figures.

§ Includes large number of Influenza Cases without Pneumonic Complications. 12 of these were admitted to Port Sanitary Hospital, Cefn.

† Admitted to Royal Gwent Hospital.

‡ Admitted to Port Sanitary Hospital, Cefn.

* In addition 4 Observation Cases were also admitted to Hospital—2 for Enteric Fever; 1 for Scarlet Fever; 1 for Diphtheria.

Table 12.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.
Summary of Notifications during the period 1st January to the 31st December, 1919.

Summary of Notifications during the period 1st January to the 31st December, 1919.

		Number of Notifications on Form "A"														Number of Notifications on Form "B"					Number of Notifications on Form "C"		Number of Notifications on Form "D"		
		Primary Notifications.														Primary Notifications.					Total Notifications (i.e. including cases previously notified by other Doctors.)	Poor-Law Institutions.	Sana-toria.	Poor-Law Institutions.	Sana-toria.
		Age Periods.	0-1	1-2	2-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65 and upwards	Total.	Under 5	5-10	10-15	Total.						
Pulmon-ary	Males	4	5 ¹	7	11 ¹	15 ²	11 ¹	9 ¹	4 ¹	...	66 ⁴	83 ³	45 ¹¹	...	39
	Females	1 ¹	...	3	10 ¹	6	19	7	6	1	...	53 ²	68 ²	56 ¹¹	...	56 ¹⁴
Non-Pulmon-ary	Males	1 ¹	2 ¹	4 ²	5	7 ¹	3	2 ¹¹	3 ¹²	1	...	...	...	28 ⁵	34 ⁴	...	...	...	...	3	...	9	...	11
	Females	...	2 ¹	3	2	5	5 ²	3 ¹	1 ¹	...	...	...	...	21 ⁴	28 ¹	...	1	1	2	4	...	11	...	15
Totals		...	1 ¹	4 ²	8 ¹	11	20 ²	25 ³	22 ²	38 ⁴	19 ¹	15 ¹	5 ¹	...	168 ²⁰	213 ²⁹	...	1	1	2	7	...	121 ¹²	...	121 ¹⁶
Bones & Joints	Males	...	...	...	1	3	1	2 ¹¹	2 ¹²	...	...	...	...	9	12	...	...	...	...	...	...	2	...	8
	Females	...	...	1	...	...	...	1	...	...	...	...	...	2	4	...	...	...	...	...	...	6	...	8
Bowels	Males	...	...	...	...	1 ¹	...	...	...	...	...	...	...	1 ¹	1 ¹	...	...	...	...	...	...	1	...	...
	Females	...	...	...	...	...	2 ¹	...	...	...	...	...	...	2 ¹	2 ¹	...	...	...	...	...	...	1	...	1
Glands	Males	...	...	1	4	3	2	...	1	...	...	...	...	11	14	...	...	...	...	2	...	3	...	3
	Females	...	1	1	2	5	2	1	...	...	...	...	...	12	17	...	1	1	2	5	...	7	...	6
Brain	Males	1 ¹	2 ¹	3 ¹	...	...	...	...	...	...	...	...	...	6 ⁴	6 ¹	...	...	...	...	...	...	...	...	...
	Females	...	1 ¹	1	...	...	1 ¹	1 ¹	...	...	...	...	...	4 ³	4 ¹	...	...	...	...	...	...	...	...	...
Skin	Males	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Females	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General	Males	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...
	Females	...	...	...	...	...	...	...	1 ¹	...	...	...	...	1 ¹	1 ¹	...	...	...	...	...	...	...	...	...
Totals		...	1 ¹	4 ²	7 ²	7	12 ²	8 ²	5 ¹	4 ¹	1	...	...	49 ¹⁰	62 ¹⁰	...	1	1	2	7	...	20	...	26
Non-Pulmonary Forms.		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

The small figures shown are those notified "after death," the total being 20, same are included in the figures in which spaces they are shown. *Military cases, = 3. †Allt-yr-yn Hospital Sanatorium cases (included in totals).

MATERNITY AND CHILD WELFARE CENTRES.

SUMMARY for year ending 31st December, 1919.

	Central.					Maiden.					Liswerry.					Total.				
	Infants.	Children.	Adolescents.	Adults.	Old.	Infants.	Children.	Adolescents.	Adults.	Old.	Infants.	Children.	Adolescents.	Adults.	Old.	Infants.	Children.	Adolescents.	Adults.	Old.
Mothers on Register.																				
New	127	110	138	148	150	127	110	138	148	150	127	110	138	148	150	127	110	138	148	150
Inward Transfers	4	1	4	5	2	4	1	4	5	2	4	1	4	5	2	4	1	4	5	2
Total	131	111	142	153	152	131	111	142	153	152	131	111	142	153	152	131	111	142	153	152
Leaves.																				
Left	4	...	...	...	...	4	...	...	...	...	4	...	...	...	...	4	...	...	...	...
Deaths	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Net Total	127	110	138	148	150	127	110	138	148	150	127	110	138	148	150	127	110	138	148	150
Expectant Mothers—Old (included in above figures)	18	6	10	4	7	18	6	10	4	7	18	6	10	4	7	18	6	10	4	7
Total	66	64	84	49	84	66	64	84	49	84	66	64	84	49	84	66	64	84	49	84
Infants on Register.																				
New	23	28	34	40	36	23	28	34	40	36	23	28	34	40	36	23	28	34	40	36
Inward Transfers	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...	1	...	...	...	...
Total	24	28	34	40	36	24	28	34	40	36	24	28	34	40	36	24	28	34	40	36
Leaves.																				
Left	42	41	51	60	66	42	41	51	60	66	42	41	51	60	66	42	41	51	60	66
Deaths	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Net Total	30	35	60	45	56	30	35	60	45	56	30	35	60	45	56	30	35	60	45	56
Children on Register.																				
New	127	123	131	140	142	127	123	131	140	142	127	123	131	140	142	127	123	131	140	142
Inward Transfers	4	1	5	6	2	4	1	5	6	2	4	1	5	6	2	4	1	5	6	2
Total	131	124	136	146	144	131	124	136	146	144	131	124	136	146	144	131	124	136	146	144
Leaves.																				
Left	42	41	51	60	66	42	41	51	60	66	42	41	51	60	66	42	41	51	60	66
Deaths	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Net Total	30	35	60	45	56	30	35	60	45	56	30	35	60	45	56	30	35	60	45	56
Medical Examinations.																				
Expectant Mothers	3436	701	2558	533	691	3436	701	2558	533	691	3436	701	2558	533	691	3436	701	2558	533	691
Other Mothers	579	118	530	110	792	579	118	530	110	792	579	118	530	110	792	579	118	530	110	792
Total	4015	819	3088	643	1483	4015	819	3088	643	1483	4015	819	3088	643	1483	4015	819	3088	643	1483
Attendances.																				
Health Lectures	1206	246	737	158	929	1206	246	737	158	929	1206	246	737	158	929	1206	246	737	158	929
Expectant Mothers	3005	613	2013	419	2424	3005	613	2013	419	2424	3005	613	2013	419	2424	3005	613	2013	419	2424
Total	4211	863	2750	577	3353	4211	863	2750	577	3353	4211	863	2750	577	3353	4211	863	2750	577	3353
Deaths.																				
Infants, M. Mothers	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254
Children	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254
Weights.																				
Number of Individuals	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254
Number of Weighings	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254
Maternity Club.																				
Number paying in	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254	113	94	118	79	254
Number paid out	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254	253	185	254	184	254
Amount paid out	£11 9 2	£10 10 11	£12 10 11	£10 10 11	£12 10 11	£11 9 2	£10 10 11	£12 10 11	£10 10 11	£12 10 11	£11 9 2	£10 10 11	£12 10 11	£10 10 11	£12 10 11	£11 9 2	£10 10 11	£12 10 11	£10 10 11	£12 10 11
Clothing.																				
Number made and sold	665	356	637	335	973	665	356	637	335	973	665	356	637	335	973	665	356	637	335	973
Amount received	£64 0 5	£33 5 5	£57 3 5	£24 0 3	£118 3 8	£64 0 5	£33 5 5	£57 3 5	£24 0 3	£118 3 8	£64 0 5	£33 5 5	£57 3 5	£24 0 3	£118 3 8	£64 0 5	£33 5 5	£57 3 5	£24 0 3	£118 3 8
Number and value of Garments given away	46—917/6	35—11/6	59—11/6	24—4/6	140—11/6	46—917/6	35—11/6	59—11/6	24—4/6	140—11/6	46—917/6	35—11/6	59—11/6	24—4/6	140—11/6	46—917/6	35—11/6	59—11/6	24—4/6	140—11/6
Value of Stock in hand	£3 0 64	£18 15 4	£31 2 103	£19 5 6	£71 10 14	£3 0 64	£18 15 4	£31 2 103	£19 5 6	£71 10 14	£3 0 64	£18 15 4	£31 2 103	£19 5 6	£71 10 14	£3 0 64	£18 15 4	£31 2 103	£19 5 6	£71 10 14
Other Mater received for																				
Playgrounds	£5 5 7	£2 8 4	£2 3 6	£2 3 6	£12 3 6	£5 5 7	£2 8 4	£2 3 6	£2 3 6	£12 3 6	£5 5 7	£2 8 4	£2 3 6	£2 3 6	£12 3 6	£5 5 7	£2 8 4	£2 3 6	£2 3 6	£12 3 6
Fireguards	£8 12 6	£14 6 104	£19 5 13	£5 0 104	£46 10 3	£8 12 6	£14 6 104	£19 5 13	£5 0 104	£46 10 3	£8 12 6	£14 6 104	£19 5 13	£5 0 104	£46 10 3	£8 12 6	£14 6 104	£19 5 13	£5 0 104	£46 10 3

DATE	DESCRIPTION	AMOUNT	BALANCE
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Table 13.

MEASLES.

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.
		Boys.				Girls.				Infants.												
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Alexandra	...	2	...	...	...	1	...	...	...	5	...	...	...	8	...	...	1	17
Bolt Street	1				
Central				
Church Road	...	2	...	...	...	...	...	2	...	...	...	...	...	3	2	...	1	10
Corporation Road	1	...	...	...	...	...	...	...	...	...	...	3				
Clytha	1				
Crindau	3				
Durham Road	1	...	...	...	3	...	...	...	...	...	...	...	...	...	2	7		
Eveswell	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1		
Holy Cross	1	...	...	...	...	...	...	...	2	...	...	5				
Llswerry	1	...	...	...	...	...	...	...	...	...	...	...	...	...	4			
Maindee	4				
Shaftesbury Street	1	1	...	...	...	1	...	...	4				
Spring Gardens	1	2	...	...	...	...	...	...	4				
St. Joseph's	1	...	...	...	...	1	...	...	...	1	1	...	4				
St. Mary's	1	...	...	...	...	...	...	1				
St. Michael's	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
St. Woolos	1	...	...	...	...	3	2	...	...	1	2	...	3				
Tredegar Wharf	1	...	...	...	...	...	...	...	...	...	...	...	...	...	5			
Higher Elementary	9				
Private Schools	2	...	...	2	4	...	...	1	6	...	...	...	3	...	...	1		
No School				
Intermediate	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	21
Totals	...	6	4	1	1	5	10	...	...	11	16	1	3	22	30	2	4	123		
																		65				
																		58				
																		31				
																		15				
																		12				

12

15

31

58

65

Table 14.

WHOOPIING COUGH.

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.
		Boys.				Girls.				Infants.												
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
Alexandra	3	...	...	...	3	6			
Bolt Street			
Central			
Church Road			
Corporation Road	1	...	...	...	...	...	...	...	...	...	...	...	...	4	...	...	...	...	7
Clytha	2	...	...	...	...	4			
Crindan	1			
Durham Road			
Eveswell			
Holy Cross			
Liswerry			
Maindee	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shaftesbury Street			
Spring Gardens			
St. Joseph's			
St. Mary's			
St. Michael's			
St. Woolos			
Tredegar Wharf			
Higher Elementary			
Private Schools			
No School			
Intermediate			
Totals	...	2	...	...	2	...	...	...	...	17	2	1	2	21	5	1	3	66	

2

2

22

26

40

40

26

22

2

2

Table 15.

CHICKEN POX.

School	School Children.												Quarterly Totals for Whole School.	Quarterly Totals for Non-School Cases.				Total for Whole Year.							
	Quarters of Year	Boys.				Girls.				Infants.															
		1	2	3	4	1	2	3	4	1	2	3		4											
Alexandra	1	...	...	...	...	...	2	...	...	1	...	1	2			
Bolt Street			
Central	3	...	...	...	...	...	1	...	...	...	...	...	...
Church Road			
Corporation Road			
Clytha			
Crindau	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Durham Road			
Eveswell			
Holy Cross			
Liswerry			
Maindee			
Shaftesbury Street			
Spring Gardens			
St. Joseph's			
St. Mary's			
St. Michael's			
St. Woolos			
Tredegar Wharf			
Higher Elementary			
Private Schools			
No School			
Intermediate			
Totals			
																					1	2	13	16	21

Table 16.

MUMPS.

School	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Children.				Total for Whole Year.					
	Boys.				Girls.				Infants.																	
	Quarters of Year	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4									
Alexandra	1								
Bolt Street	...	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	5
Central	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Church Road	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
Corporation Road	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Clytha	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21
Crindau	...	15	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
Durham Road	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Eveswell	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7		
Holy Cross	4								
Lliswerry	1								
Maindee	7								
Shaftesbury Street	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	11
Spring Gardens								
St. Joseph's	4								
St. Mary's	...	2	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	16
St. Michael's	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2		
St. Woolos	...	11	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	35
Tredegar Wharf	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Higher Elementary	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Private Schools								
No School								
Intermediate	5								
Totals	...	45	9	3	...	42	9	3	1	46	13	2	...	7	5	...	...	185						
57																		61				173				12

Table 17.

OTHER INFECTIOUS AND CONTAGIOUS DISEASES.

(Including suspicious cases)

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.			
		Boys.				Girls.				Infants.				Whole School.				Non-School Cases.							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4								
Alexandra	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
Bolt Street	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	24
Central	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9
Church Road	...	4	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	27
Corporation Road	...	5	3	1	2	2	1	1	1	2	2	1	3	8	3	3	6	6	5	10	1	3	1	...	33
Clytha	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Crindau	...	1	4	2	5	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19
Durham Road	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6
Eveswell	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Holy Cross	10	1	1	1	2	2	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	18
Liswerry	1	...	1	...	3	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Maindee	2	...	...	...	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	20
Shaftesbury Street	8
Spring Gardens	1	1	...	...	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
St. Joseph's	...	2	1	...	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10
St. Mary's	...	3	3	2	1	2	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21
St. Michael's	...	5	1	2	6	8	2	4	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	48
St. Woolos	...	1	...	1	1	2	...	4	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	28
Tredegar Wharf	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7
Higher Elementary
Private Schools
No School
Intermediate
Totals	...	26	31	18	24	23	24	15	21	16	14	20	14	65	69	53	59	26	11	27	20	...	...	...	330
														83				246				84			

Table 18.

PERCENTAGE OF NOTIFIED CASES REMOVED TO HOSPITAL,
1897 TO 1920.

Year.	Total of Notified Cases Removed to Hospital.	SCARLET FEVER.		TYPHOID FEVER.		DIPHThERIA & MEMBRANOUS CROUP.			
		Notifica-tions.	Percent-age of removals	Notifica-tions.	Percent-age of removals	Notifica-tions.	Percent-age of removals	Fatality per cent. Hospital cases.	Fatality % Home Nursed cases.
1897	191	192	73.4	57	63.1	* 25	12.0	66.6 (3 cases)	22.7
1898	149	71	71.8	38	67.5	* 112	57.1	12.5	54.1
1899	132	46	69.5	73	89.0	* 33	78.7	26.0	100.
1900	265	258	61.1	53	73.5	120	58.0	3.0	14.5
1901	345	382	57.3	75	85.3	181	34.2	5.0	13.0
1902	304	371	56.8	44	65.9	145	43.4	3.2	5.1
1903	261	268	76.4	33	66.6	78	44.7	2.4	18.6
1904	288	259	84.1	21	71.4	92	59.7	1.7	19.4
1905	212	136	86.0	24	79.1	110	69.0	2.5	26.4
1906	388	264	84.0	38	86.8	170	78.2	3.7	18.9
1907	459	572	66.0	21	80.9	103	56.3	10.3	17.7
1908	388	437	69.7	47	78.7	80	57.5	15.2	23.5
1909	341	365	73.1	25	80	89	58.4	11.5	13.5
1910	313	293	77.4	27	77.7	103	62.1	6.2	12.8
1911	365	482	62.0	23	82.6	73	64.3	6.3	11.5
1912	445	534	74.3	23	78.2	49	61.2	13.3	26.3
1913	† 501	822	51.3	28	89.1	73	63.0	8.7	18.5
1914	577	709	62.6	10	70.	97	71.1	11.6	17.8
1915	309	207	77.7	14	57.1	95	65.2	10.0	18.2
1916	268	218	70.6	14	64.3	131	77.1	6.9	20.
1917	166	101	82.2	3	66.6	46	76.1	8.6	9.0
1918	120	82	74.4	4	100.	30	70.	...	11.1
1919	368	421	56.9	8	87.5	52	59.6	9.7	5.
1920	409	373	6.86	10	80.	248	53.6	9.7	7.8

* Diphtheria only.

† Includes 8 cases of Small Pox.

ALLT-YR-YN HOSPITAL.

CASES ADMITTED, CASES DISCHARGED, AND DEATHS.

DURING EACH WEEK FROM JANUARY 1ST TO DECEMBER 31ST, 1919.

[illegible]

*Died from Septic Pneumonia.

†Died from Tubercular Meningitis.

Table 20.

ALLT-YR-YN HOSPITAL and SANATORIUM.

DETAILS OF EXPENDITURE for the past 10 years, each Year ending March 31st.

ITEM.	1911.	1912	1913	1914	1915	1916	1917	1918	1919	1920
£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Groceries	426 16 8	430 18 11	530 4 6	590 2 11	558 14 1	543 16 5	661 7 1	703 15 8	621 7 4	764 8 1
Meat and Fish	258 12 11	253 3 6	253 11 3	289 9 11	346 6 1	350 18 5	427 19 6	618 4 7	663 16 2	690 0 3
Vegetables and Fruit	22 0 6	26 10 7	34 13 6	40 12 1	40 12 8	34 8 11	76 2 3	41 14 10	32 5 2	47 4 0
Milk, Cream and Eggs	278 11 11	328 0 4	380 9 3	345 14 4	387 13 11	355 19 7	395 13 3	388 0 6	538 2 5	751 5 7
Wines, Spirits and Minerals	2 11 3	2 8 11	2 19 5	5 3 11	2 10 6	2 15 2	1 17 8	2 19 1	3 3 4	1 1 0
Medical Appliances, Drugs, etc.	123 3 8	173 17 1	218 13 1	224 10 3	189 12 11	134 7 7	128 15 8	130 5 0	129 17 9	228 9 7
Disinfectants, Soaps, Oils, etc.	56 16 7	78 7 6	83 13 5	96 2 10	121 4 6	94 0 3	102 19 10	107 18 7	145 0 9	150 8 4
Ironmongery	17 0 0	33 12 3	44 4 11	70 10 11	40 16 10	32 11 0	42 16 0	58 13 9	41 13 10	57 19 2
Crockery	50 15 1	116 14 9	173 1 10	104 6 3	89 16 1	108 1 3	210 17 10	133 9 7	317 5 9	244 2 10
Drapery and Uniforms	21 0 9	82 10 6	281 7 10	109 0 10	179 12 8	12 13 10	87 12 6	66 16 10	36 2 0	259 2 1
Furniture, Repairs, Linoleum, Bedding, etc.	13 6 11	16 19 11	42 15 9	20 15 10	32 5 9	24 13 11	13 6 4	18 5 1	24 14 0	34 4 7
Printing, Stationery and Advertising	...	...	...	...	...	...	...	...	...	...
Baskets and Brushes	425 13 0	366 1 1	136 4 11	199 18 6	420 10 11	374 18 7	195 18 2	236 7 5	220 5 2	843 14 3
Repairs, Fittings, etc.	106 5 0	23 3 10	91 4 11	45 6 9	53 19 1	18 8 0	15 15 2	24 2 7	19 13 11	60 5 10
Ground Expenses ...	0 7 6	1 5 10	1 7 6	3 19 7	21 0 9	1 5 6	5 6 8	6 0 11	11 12 2	68 3 3
Horse and Motor Hire—Hauling	322 15 1	312 19 0	287 7 9	360 4 2	351 3 5	428 7 8	468 7 10	439 15 4	461 0 6	586 19 3
Coal, Wood and Chimney Sweeping	97 12 4	95 6 2	129 5 9	210 1 1	254 7 1	221 13 4	232 16 4	238 16 9	220 18 2	299 14 9
Electricity	41 0 9	38 16 0	40 18 6	49 15 0	45 0 1	34 17 10	32 4 6	42 5 11	43 4 9	54 3 0
Gas ...	64 7 8	57 7 8	71 15 0	78 5 5	87 17 0	74 2 1	86 10 1	66 14 7	48 3 11	49 15 9
Water ...	64 11 4	63 19 5	67 10 4	67 11 7	54 12 3	78 0 11	63 9 3	69 19 3	76 12 3	85 13 3
Rates and Insurance	10 5 0	10 5 0	10 5 0	160 5 0	10 5 0	10 5 0	10 5 0	10 5 0	10 5 0	10 5 0
Telephone Charges	14 11 10	19 8 9	12 17 1	12 16 6	9 18 1	7 9 2	10 16 10	7 9 3	11 9 5	20 2 0
Sundries ...	494 6 8	558 9 4	568 9 2	615 14 6	630 11 1	610 10 11	587 16 3	589 17 6	579 10 4	817 4 3
Disbursements	451 19 6	467 4 10	499 4 8	551 7 10	605 3 9	625 4 5	648 2 2	722 13 1	930 5 0	1117 10 8
Salaries (Med. Supt., Matron and Nurses)	1310 3 10	1329 9 0	1332 19 4	1314 2 2	1308 13 7	1317 10 10	1357 3 9	1322 0 7	1149 1 4	1162 3 9
Domestic and Grounds ...	...	...	...	...	...	...	...	...	...	...
Interest and Sinking Fund ...	...	...	...	...	...	...	...	...	...	...
Sana- (Preparing Building, Fixtures, &c.)	...	...	...	...	...	...	...	...	...	...
Sanatorium (Furnishing ...)	...	...	...	...	...	...	...	...	...	...
Allowances, N. H. & Unemployment Insur.	...	...	...	...	30 16 0	43 13 3	45 12 2	48 17 3	38 3 11	13 8 10
TOTALS	4679 5 9	4888 12 3	5329 3 1	5505 14 0	5897 11 7	5544 5 10	5910 12 1	6055 14 5	5636 1 1	38408 7 4
RECEIPTS	330 10 0	411 7 2	630 3 6	1485 0 5	1592 5 10	1751 13 7	1973 18 1	1640 16 8	1687 6 8	1087 2 6
No. of Patients treated	435	552	586	661	555	355	305	199	209	435

† Includes £50 on a/c Contract.

* Sanatorium closed Nov. 1919.

Table 21.

FACTORIES, WORKSHOPS, WORKPLACES and HOMEWORK.
1.—INSPECTIONS AND SUMMARY.

Premises.	No. on Register.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances Discovered.	No. of Notices Served.
Factories ...	110	49	30	35	13
Workshops (including Bake-houses) ...	695	1241	407	193	125
Workplaces ...	93	784	54	60	39
Outworkers Premises ...	53	127	65	8	6
Totals ...	951	2201	556	296	183

Table 24.

4.—WORKSHOPS on Register at end of 1919.

Class of Trade.	Number on Register	Number of Inspection s	Number of Re-visits (for Super- vision of Work)	Number of Nuisances Dis- covered	Number of Notices Served
Art Needlework	1	...	...	...	...
Adamant Works	3	1	...	...	...
Bakehouses	63	402	159	116	74
Basket Making	8	4	...	...	...
Bedding Making	1	...	...	...	...
Blacksmithies	25	19	3	2	1
Blind Making (Venetian) ...	1	...	...	...	...
Boat Building	4	...	...	...	...
Boot and Shoe Making and Repairing ...	88	59	6	7	6
Botanical Breweries	5	5	1	1	1
Bottling Stores	3	...	...	...	...
Brush Making	2	2	1	2	1
Cabinet Making and Repairing ...	43	19	6	1	1
Carpentry and Joinery	47	22	4	3	3
Carriage Building and Wheelwrights ...	19	17	6	2	2
Clog Making	2	...	...	...	...
Cement Curb Making	2	3	...	...	...
Coffin Making	4	7	...	...	...
Coopers	2	...	...	...	...
Copper, Brass and Lock Smithies ...	1	1	...	...	...
Confectionery Making	1	1	...	...	...
Cycle Building and Repairing ...	30	11	...	...	...
Dentistry (Mechanical)	20	1	...	...	...
Dress and Mantle Making	95	134	23	...	...
Dyeing and Cleaning	1	...	1	...	...
Engraving (Metal)	4	...	...	...	...
Engineering (without Mechanical Power)...	4	...	...	...	...
Firewood Cutting	7	3	4	...	...
Fish Curing	2	...	...	...	...
Herbalists	3	1	...	...	...
Lath Rending, Helve and Ladder Making ...	3	2	...	...	...
Knitting	3	1	...	...	...
Laundries (Hand)	10	11	12	3	3
Millinery	47	48	15	...	...
Motor Repairing	26	18	4	9	4
Model Cast Making... ..	1	...	...	...	...
Musical Instrument Repairing ...	4	2	...	...	...
Oilskin Making	3	...	...	...	...
Packing (including Dry Salting) ...	2	...	...	...	...
"Paint Improver" Making	2	...	...	...	...
Paper Sorting	1	...	...	...	...
Patternmaking	2	4	6	3	1
Photographers	8	19	7	...	...
Pianoforte Repairing	2	...	...	...	...
Picture Framing and Gilding ...	14	5	...	...	...
Plumbing	19	6	...	...	...
Rag and Bone Sorting (inclu. Marine Stores)	11	178	26	14	11
Saddlery	8	8	...	...	...
Sail, Blind and Tent Making ...	2	2	...	...	...
Sculptoring and Stone Dressing ...	15	6	...	...	...
Sewing Machine Repairing	1	...	...	...	...
Signwriting, Painting and Glazing ...	7	2	...	...	...
Sugar Boiling	7	12	5	1	1
Tailoring	34	174	107	24	13
Taxidermy	1	...	...	...	...
Tin Smithies	12	8	6	3	2
Tripe Boiling	2	...	...	...	...
Umbrella Making and Repairing ...	6	2	...	...	...
Wagon (Railway) Building	10	6	2	...	...
Watchmaking and Repairing ...	35	13	3	2	1
Weighing Machine Building and Repairing ...	3	2	...	...	...
Wire and Iron Workers	2	...	...	...	...
Welding and Vulcanizing	1	...	...	...	...
TOTAL	695	1242	407	193	125

Table 25.

4A.—OUTWORKERS' PREMISES.

Premises	Number on Register	Number of Inspections	Number of Re-visits (for supervision work)	Number of Nuisances Discovered	Number of Notices Served
Oilskin Making	2	...	...	...	...
Tailoring	51	127	65	8	6
Umbrella Making and Repairing ... ..	...	...	...	...	...
TOTALS	53	127	65	8	6

Table 26.

4B.—WORKPLACES.

Premises	Number on Register	Number of Inspections	Number of Re-visits (for supervision work)	Number of Nuisances Discovered	Number of Notices Served
Building Supply Stores	1	...	...	...	...
Botanical Breweries	1	1	...	...	...
Fish Frying	25	717	8	31	26
Herb-beer Making	2	2	...	...	...
Hairdressing Saloons	40	55	41	28	12
Lime Kilns	1	...	...	...	...
Mews and Stables	3	...	...	...	...
Oil and Grease Works	7	4	...	...	...
Potato Stores	4	...	...	...	...
Provision Merchants' Stores... ..	2	...	...	...	...
Public Works (Temporary)	1	1	1	...	...
Restaurants (Kitchens)	1	...	...	...	...
Shipbreakers	1	...	...	1	1
Sugar Boiling	1	1	...	...	...
Tripe Boiling	3	3	4	...	...
TOTALS	93	784	54	60	39

Table 27.

4c.—FACTORIES.

Premises	Number on Register	Number of Inspec- tions	Number of Re-visits (for super- vision work)	Number of Nuisances Dis- covered	Number of Notices Served
Ærated and Mineral Water Factory ...	5	...	...	...	...
Artificial Manure ...	1	...	...	...	...
Barrow and Gate Makiag ...	1	...	...	...	...
Bedding Manufacturing ...	1	1	1	...	...
Book Binding ...	1	...	...	...	...
Boot and Shoe Making and Repairing ...	3	9	1	...	...
Bottling Stores ...	3	...	...	...	...
Brass Foundries ...	3	6	7	8	1
Breweries ...	1	1	...	1	1
Cabinet Making ...	4	...	...	...	...
Carpentry and Joinery ...	22	5	5	9	2
Carriage Building ...	5	...	...	...	...
Chaff Cutting ...	2	...	...	...	...
Coal, Iron and Steel Exporting ...	4	...	...	...	...
Copper Smithies ...	1	...	...	...	...
Corn and Flour Mills ...	2	...	...	...	...
Engineering Works and Iron Foundry ...	5	2	5	6	2
Firewood Cutting ...	10	...	...	1	1
Fuel Works ...	1	1	...	...	...
Gravel (Poultry Grit) Making ...	1	...	...	...	...
Knitting ...	1	...	...	...	...
Laundries ...	2	15	8	...	...
Leather Factory ...	3	...	...	...	...
Mortar Works ...	1	...	...	...	...
Oilskin Making ...	1	1	...	...	...
Optical Glass Grinding ...	1	1	1	1	1
Pattern Making ...	1	...	...	...	...
Potteries ...	1	...	...	...	...
Printing ...	5	...	...	...	...
Railway Key Making ...	2	...	...	...	...
Rubber Works ...	1	...	1	...	...
Sail, Blind, and Tent Making ...	2	...	...	...	...
Sculptoring and Stone Dressing ...	3	...	...	...	...
Ship Building and Repairing ...	1	...	...	...	...
Slate Enamelling ...	1	...	...	...	...
Smithies (General) ...	1	...	...	...	...
Steel Welding ...	1	1	...	...	...
Tile (Patent Roof) Making ...	2	...	...	...	...
Timber Merchants, Joinery, &c. ...	1	4	...	9	5
Toy Making ...	1	2	1	...	...
Wood Carving and Turning ...	2	...	...	...	...
TOTALS ...	110	49	30	35	13

Table 29.

MEAT AND OTHER FOODS CONDEMNED AND DESTROYED.

A.—Showing amount condemned of the various kinds of food from stated causes.

(Weight given in lbs.)

Description	Decomposition.	Tuberculosis.	Inflammation and "Chills."	Blood Poisoning and Abscesses.	Fluke Disease and Dropsy.	Emaciation.	Accidents and Natural Death.	Actinomycosis.	Other Causes.	All Causes.
Beef and Veal—										
Whole Carcases	180	4770	...	2440	400	3160	896	...	920	12766
Parts of Carcases	11896	2085	70	...	...	60	276	...	4059	18446
Organs ...	1366	574	...	374	48	...	...	...	167	2529
Mutton and Lamb—										
Whole Carcases	1695	...	...	...	...	280	1100	...	1232	4307
Parts of Carcases	487	...	...	...	...	...	40	...	3310	3837
Organs ..	4348	...	...	...	702	...	...	...	...	5050
Pork and Bacon—										
Whole Carcases	...	84	...	200	...	80	730	...	140	1234
Parts of Carcases	3628½	...	77	...	...	...	40	...	2523	6268½
Organs ...	2406	...	...	...	...	...	...	...	...	2406
Tinned Meats	...	468	...	...	...	...	...	...	144	612
Fish ...	25562	...	...	...	...	...	...	...	1080	26642
Shell Fish	...	1140	...	...	...	...	...	...	...	1140
Tinned Fish	...	5	...	...	...	...	...	...	...	5
Game ...	...	1101	...	...	...	...	...	...	...	1101
Vegetables	...	2500	...	...	...	...	...	...	...	2500
Fruit ...	19393	...	...	...	...	...	...	...	960	20353
Tinned Fruit	...	...	...	...	...	...	...	...	2	2
Cheese ...	5444	...	...	...	...	...	...	...	131	5575
Butter & Margarine...	...	...	...	...	...	...	...	...	403½	403½
Condensed Milk	...	23	...	...	...	...	...	...	14	37
Eggs ...	66	...	...	...	...	...	...	...	...	66
Chocolate	...	...	...	...	...	...	...	...	62	62
Ice Cream	...	...	...	...	...	...	...	...	110	110
Total ...	81708½	7513	147	3014	1150	3580	3082	...	15257½	115451½

Table 29—continued.

B.—Showing amount of all kinds of food condemned from stated causes during each of the four quarters of the year.

(Weight given in lbs.)

CAUSE.				1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Whole Year.
Decomposition	...	...	...	23896	19272	27242½	11298	81708½
Tuberculosis	...	...	...	1640	398	1725	3666	7429
Inflammation and "Chills"	...	...	...	...	84	...	147	231
Blood Poisoning and Abscesses	...	...	...	36	2068	806	104	3014
Fluke Disease and Dropsy	...	...	...	183	...	400	567	1150
Emaciation	...	...	...	886	1950	660	84	3580
Accidents and Natural Death	...	...	...	210	1569	275	1028	3082
Actinomycosis	...	...	...	...	...	...	...	...
Other Causes	...	...	...	365	1899	5960¼	7033	15257¼
All Causes	...	...	...	27216	27240	37068¾	23927	115451¾

C.—Showing by what method the unsound foods were brought to the knowledge of the Department, and the amount condemned on particular premises.
(Weight stated in lbs.)

[illegible]

Table 30.

METEOROLOGICAL DATA FOR THE YEAR 1919.

(Barometer Readings reduced to Sea Level and 32° F. and corrected for Index Error).

WEEK ENDING	Mean Reading of Barometer.	Mean Temperature of Air					Degree of Humidity of Atmosphere (per cent.)	Mean Temperature of Earth at		Rainfall in Inches All-yr-yn Hospital	Registered Sunshine in Hours and Minutes	Sun above the Horizon in Hours and Minutes	
		Highest by Day	Lowest by Night	Daily Range	Dry Bulb	Wet Bulb		One Foot	Four Feet				
Jan.	4	29.596	48.3	40.6	7.7	41.1	40.4	94.5	43.4	47.1	1.44	12.44	54.57
"	11	29.205	44.1	38.4	5.7	39.1	38.9	98.0	40.4	40.3	.97	16.22	56.06
"	18	29.819	46.7	40.1	6.6	41.4	41.1	97.5	41.8	45.9	2.03	19.24	57.49
"	25	30.271	42.9	33.6	9.3	35.8	35.4	96.0	40.0	45.4	1.10	12.53	59.53
Feb.	1	30.025	39.7	34.1	5.6	34.3	32.9	85.0	37.2	44.5	.28	15.05	62.21
"	8	29.976	35.9	33.9	2.0	32.9	32.1	89.0	36.5	43.3	.55	13.33	65.04
"	15	30.358	38.7	29.7	9.0	31.6	31.0	91.0	34.9	42.4	.17	31.52	67.58
"	22	29.169	43.1	39.6	3.5	40.0	39.7	97.5	37.9	41.6	4.35	6.45	71.02
Mar.	1	29.714	44.7	36.6	8.1	35.7	34.9	93.0	39.7	42.0	.07	23.13	74.10
"	8	29.828	48.9	40.3	8.6	41.9	41.4	96.0	40.9	42.9	2.73	15.17	77.23
"	15	29.909	50.9	38.7	12.1	40.1	39.4	94.5	41.9	43.0	1.18	21.27	80.36
"	22	29.966	45.6	37.9	7.7	37.7	36.9	93.0	40.5	43.0	1.58	13.44	83.51
"	29	29.711	43.0	34.7	8.3	34.6	33.1	84.0	38.3	43.0	.44	48.28	87.04
April	5	29.992	46.7	34.0	12.7	37.1	35.9	89.0	39.6	42.5	.12	41.08	90.17
"	12	29.827	54.4	42.7	11.7	45.1	44.4	94.5	45.0	43.3	.31	29.29	93.30
"	19	29.785	55.3	42.9	12.4	47.1	45.7	89.0	46.2	44.7	.86	43.21	96.38
"	26	30.238	57.4	39.7	17.7	44.9	42.9	84.5	48.1	45.6	.06	54.59	99.40
May	3	29.789	52.0	40.6	11.4	44.7	43.7	92.0	45.4	46.0	.56	25.49	102.38
"	10	29.977	61.3	47.3	13.9	49.4	48.1	91.5	50.8	46.5	.06	34.55	105.30
"	17	30.022	66.3	50.7	15.6	55.1	54.0	92.5	54.9	48.3	.23	51.30	108.07
"	24	30.192	67.3	49.0	18.3	54.3	52.1	85.0	57.3	50.2	...	59.25	110.27
"	31	30.143	71.0	49.6	21.4	57.3	54.3	82.0	61.5	51.9	...	74.59	112.31
June	7	30.161	72.3	51.4	20.9	59.0	56.1	82.5	60.5	53.9	.21	53.17	114.05
"	14	30.201	69.6	53.0	16.6	58.7	55.9	83.0	63.9	55.5	.43	76.39	115.14
"	21	30.111	68.4	50.6	17.8	57.6	55.3	85.5	62.6	56.2	.21	54.04	115.52
"	28	30.115	64.9	48.6	16.3	53.3	51.3	86.0	59.4	56.4	.13	42.33	115.54
July	5	29.810	63.1	48.3	14.8	53.7	51.6	85.5	57.6	56.0	1.09	36.01	115.22
"	12	30.082	71.5	51.1	20.4	56.3	54.3	87.0	60.9	56.0	.26	68.19	114.15
"	19	30.066	69.2	52.9	16.9	58.9	56.9	87.5	61.0	56.6	.23	36.29	112.47
"	26	30.115	67.4	53.4	14.0	56.0	54.4	89.0	60.1	57.0	1.47	52.25	110.47
Aug.	2	30.180	70.3	53.7	16.6	58.0	55.6	85.0	62.8	57.6	.03	56.45	108.30
"	9	30.093	72.0	53.0	19.0	59.3	56.1	81.0	65.1	58.5	...	75.17	105.56
"	16	30.151	80.8	56.7	24.1	62.9	59.9	82.0	68.9	59.6	.01	78.55	103.11
"	23	30.005	71.0	57.3	13.7	59.3	57.9	90.5	65.9	60.9	1.47	39.07	100.19
"	30	29.601	64.5	52.0	12.5	53.0	51.3	88.5	60.2	60.5	2.01	21.08	97.15
Sept.	6	29.841	55.3	53.3	12.0	56.9	56.0	93.5	58.9	59.3	1.54	12.49	94.10
"	13	30.182	71.6	55.9	15.7	56.6	55.9	95.0	61.6	58.9	...	40.52	91.02
"	20	30.135	61.7	49.0	12.7	50.4	49.0	90.0	58.1	58.8	.08	42.34	87.51
"	27	29.759	58.8	45.1	13.7	47.9	47.1	94.0	54.5	57.3	.12	29.49	84.40
Oct.	4	30.056	57.3	42.6	14.7	47.1	44.9	84.0	51.4	56.1	.32	52.06	81.28
"	11	30.321	57.7	42.7	15.0	45.6	44.3	90.0	51.1	54.9	...	46.42	78.16
"	18	30.130	52.7	41.1	11.6	43.9	42.0	85.0	47.6	53.6	.05	43.53	75.06
"	25	30.198	56.7	43.7	13.0	44.3	43.7	95.0	48.4	52.6	2.45	20.53	72.00
Nov.	1	30.126	48.1	36.7	11.4	40.6	38.9	86.5	44.6	51.5	.01	29.59	68.56
"	8	29.655	43.4	36.7	6.7	38.1	37.3	93.0	42.6	50.0	.15	8.25	65.59
"	15	29.704	38.9	29.3	9.6	33.4	31.7	80.5	39.1	48.4	.26	19.43	63.13
"	22	29.878	48.1	37.7	10.4	41.7	40.9	94.0	41.1	46.9	.71	15.29	60.42
"	29	29.500	45.1	36.1	9.0	39.0	38.1	92.0	42.3	47.0	.92	10.27	58.27
Dec.	6	29.871	48.4	38.6	9.8	43.3	42.7	95.0	41.8	46.5	2.47	10.39	56.39
"	13	29.894	46.0	37.1	8.9	40.9	39.7	90.0	40.9	46.7	.69	17.13	55.18
"	20	30.067	49.4	39.7	9.7	42.1	41.6	96.0	42.6	46.0	.65	3.59	54.31
"	27	29.679	52.1	40.6	11.5	44.3	43.3	92.0	43.5	46.0	1.75	16.12	54.23
1920													
Jan.	3	29.451	47.7	37.0	10.7	39.9	39.1	94.0	42.7	46.0	1.93	5.29	54.50
											30.74		

Table 31.

SUMMARY OF WORK DONE DURING THE YEAR 1919.

	No. on Register	No. of Inspections	No. of Re-visits (for supervision of work)	No. of Nuisances discovered for which notices were served	No. of Notices served
Registered Premises—					
Common Lodging Houses ...	14	701	76	42	25
Seamen's Lodging Houses ...	47	673	144	54	30
Houses Let in Lodgings ...	24	107	68	31	19
Cowsheds ...	35	274	15	10	8
Public Slaughter Houses ...	1	750	11	...	...
Private Slaughter Houses ...	3	169	22	...	...
Bakehouses ...	63	402	159	116	74
Dairies ...	18	21	5	3	1
Milkshops and Purveyors of Milk ...	235	365	33	16	14
Workshops (exclusive of Bakehouses) ...	632	840	248	77	51
Workplaces ...	93	784	54	60	39
Outworkers ...	53	127	65	8	6
Factories ...	...	48	30	35	13
Midwives' Premises ...	34	107	43	...	...
Total ...	1252	5368	973	452	280
Other Premises—					
Private Houses ...	...	856	3013	1185	557
Do. <i>re</i> Repairs ...	...	2	...	...	...
Do. (Systematic Inspection) ...	...	2	...	...	...
<i>Re</i> Cleanliness of Property after renovation ...	...	555	831	295	131
Repair of Drains (notice by Builder <i>re</i> S. 7 N.C Act 1906) ...	...	36	42	...	...
Schools (Public and Private) ...	...	30	30	1	1
Hotels, Restaurants and Public Buildings... ..	...	292	131	45	21
Stables (not Workplaces) ...	...	1041	62	54	48
Vans and Tents ...	...	58	...	...	...
Rubbish Tips, Open Spaces and Reens ...	...	21	2	1	1
Back Lanes ...	...	53	2	10	4
Infectious Disease Enquiries ...	...	1329	1749	84	44
Houses <i>re</i> Infectious Diseases ...	...	71	6	...	...
* <i>Re</i> Maternity and Child Welfare ...	...	*3741	*5417	5	3
Smoke Observations ...	...	19	...	...	...
*Includes 333 and 560 Attempted Visits.					
Total ...	...	8106	11285	1680	810
Inspection of Meat, Foods, etc.					
Butchers' Premises ...	...	4031	5	...	...
Provision Shops ...	...	1147	20	1	1
Provision Market ...	...	986	1	...	...
Cattle Market ...	...	54	...	...	...
Cold Storage Premises ...	...	311	...	...	...
Fish and Fruit Premises ...	...	1458	30	2	2
G.W.R. Station ...	...	1006	...	...	...
Premises where Ice Cream is Sold ...	...	239	9	14	6
Piggeries ...	...	589	28	30	23
Total ...	...	9821	93	47	32
Grand Total ...	...	23295	12351	2179	1122
Number of Complaints Received ...	...	...	534	...	...
Number of Drains Tested ...	...	...	271	...	...
Number of Fever Cases removed to Hospital ...	...	...	331	...	...
Number of Houses Disinfected ...	...	...	581	(Rooms 900)	...
Number of Articles Disinfected ...	...	...	5428	...	...

Table 33.

TABLE SHOWING NUMBER OF VISITS MADE, NUISANCES
DISCOVERED, AND NOTICES SERVED DURING
EACH WEEK OF THE YEAR 1919.

Month	Week.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances discovered for which Notices were served.	No. of Notices served.	Month.	Week.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances discovered for which Notices were served.	No. of Notices served.
Jan.	1	351	134	34	11	July	27	397	173	29	19
	2	403	253	55	24		28	369	209	31	21
	3	397	265	24	10		29	460	184	13	6
	4	361	246	35	16		30	502	226	36	20
Feb.	5	347	169	85	30	Aug.	31	556	221	50	31
	6	357	246	25	14		32	360	147	8	7
	7	381	321	37	17		33	513	170	5	5
	8	394	209	64	23		34	399	194	54	32
Mar.	9	400	257	29	14	Sept.	35	380	202	50	20
	10	414	230	58	28		36	486	127	28	16
	11	523	217	30	15		37	401	228	10	8
	12	533	295	21	18		38	414	348	63	32
April	13	503	214	62	41	Oct.	39	375	280	9	5
	14	509	194	149	65		40	399	216	61	36
	15	480	298	46	25		41	443	177	27	17
	16	405	263	25	13		42	538	266	25	15
May	17	415	180	36	19	Nov.	43	463	220	55	30
	18	482	250	44	25		44	456	206	52	22
	19	536	286	40	22		45	472	238	48	23
	20	563	262	39	23		46	534	275	21	14
June	21	530	245	42	25	Dec.	47	541	288	68	29
	22	545	313	58	33		48	554	315	59	33
	23	542	318	46	29		49	453	315	48	18
	24	170	113	19	13		50	455	271	40	19
	25	402	230	13	9		51	429	283	61	25
	26	523	260	83	43		52	480	304	29	14
							—	23295	12351	2179	1122

Table 1.
CENSUS STATISTICS RELATING TO THE VARIOUS WARDS, REVISED TO 30th JUNE, 1920.

Wards.	Census 1911.							Increase in No. of Houses from July 1st, 1914, to June 30, 1920	June, 1920.					
	Number of Families (or separate occupiers), Z	No. of Houses.			No. of Persons.				Average No. of Persons per Inhabited Building.	Estimated Population	Estimated No. of Houses.		Area (in acres)	Density (persons per acre)
		Inhabited	Void	Build- ing	Male	Female	Total				Inhabited.	Void.		
Crindau ...	1769	1475	44	4	4331	4217	8548	5'79	24	9555	1619	277	34'49	
Caerau ...	1861	1633	70	3	3924	4812	8736	5'35	72	10026	1851	502	19'97	
St. Woolos	1430	1296	58	2	3284	3982	7266	5'60	35	7308	1431	244	29'95	
Tredegar...	1539	1036	47	7	3692	3467	7159	6'91	11	7532	1114	79	95'34	
Alexandra	1884	1300	66	7	5783	4531	10314	7'93	9	10670	1380	1251	8'53	
Central ...	1418	1096	60	1	4316	3484	7800	7'11	-2	7937	1156	194	40'91	
St. Julians	2061	1870	36	15	4603	4757	9360	5'00	37	10520	2005	421	24'99	
Maindee ...	1607	1431	61	—	3394	3735	7129	4'98	1	7388	1498	273	27'06	
Victoria ...	1674	1513	65	23	4076	4056	8132	5'37	4	8771	1627	175	50'12	
Lliswerry...	1810	1599	77	4	4771	4476	9247	5'78	81	11021	1860	1604	6'87	
Whole Borough	17053	14249	584	66	42174	41517	83691*	5'87	272 (nett)	90728	15541	5020†	18'07	

* Includes 1374 Persons on 115 vessels in Docks and at Wharves.

† Includes 589 acres covered by water (River included).

Table 2.
CAUSE OF, AND AGES AT, DEATH DURING THE YEAR 1920.

[illegible]

Table 3.

VITAL STATISTICS OF WHOLE DISTRICT DURING 1920
AND PREVIOUS YEARS.

Year	Popula- tion estimated to Middle of each Year	BIRTHS			TOTAL DEATHS REGISTERED IN THE DISTRICT		TRANSFER- ABLE DEATHS		NET DEATHS BELONGING TO THE DISTRICT			
		Un- correct- ed Number	Net		Number	Rate	of Nonresi- dents regis- tered in the District	of Residents not regis- tered in the District	Under 1 Year of Age		At all Ages	
			Number	Rate					Number	Rate per 1000 net Births	Number	Rate
1	2	3	4	5	6	7	8	9	10	11	12	13
Ave y'rs Av'rage 1910-1914	85565	2348	2345	27.40	1173	13.71	82	40	270	115.3	1132	13.22
Ave y'rs Av'rage 1915-1919	82222*	1956	1962	21.88	1061	12.90	84	163	183	93.1	1140	13.87
1915	89694†	2185	2180	24.82	1154	14.33	94	95	216	99.0	1155	14.37
1916	80379*	1999	2002	23.21	1077	13.39	67	155	211	105.4	1165	14.69
1917	87819†	1776	1784	19.35	978	11.82	81	186	160	89.2	1083	13.09
1918	79287*	1821	1836	20.11	1045	12.82	85	215	166	90.4	1175	14.42
1919	86266†	1998	2011	22.12	1050	12.03	91	165	161	80.0	1124	12.88
1920	82709*	2642	2625	28.93	1177	12.97	137	86	203	77.3	1126	12.41
	92197†											
	81483*											
	91299†											
	87251*											
	90890†											

*Civil population for Death Rates.

†Population for Birth rates.

Table 4

INFANT MORTALITY DURING THE YEAR 1920.

Nett Deaths from stated Causes at various ages under One Year of Age.

CAUSE OF DEATH.		Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 4 Weeks	4 Wks & under 3 M's	3-6 Months	6-9 Months	9-12 Months	Total Deaths under 1 Year
All Causes	Certified	55	16	9	9	89	37	28	25	18	197
	Uncertified	...	...	...	...	...	...	1	...	...	1
	Inquests	2	...	...	...	2	2	1	...	...	5
Small-pox		...	...	...	...	...	...	...	...	...	...
Chicken-pox		...	...	...	...	...	...	...	...	...	...
Measles		...	...	...	...	...	...	1	3	5	9
Scarlet Fever		...	...	...	...	...	...	...	...	...	...
Whooping Cough		...	...	...	...	...	3	...	...	1	4
Diphtheria and Croup		...	...	...	...	...	...	...	...	...	...
Erysipelas		...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis		...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis		...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases		...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)		...	...	...	...	...	...	4	1	...	5
Convulsions		6	3	1	1	11	7	4	1	3	26
Cer'broSpinal Meningitis		...	...	...	...	...	...	1	...	...	1
Bronchitis		...	...	1	1	2	8	6	4	1	20
Pneumonia (all forms)		1	...	1	1	3	3	5	6	3	20
Diarrhoea		...	...	...	...	...	...	...	...	...	...
Enteritis		...	...	2	1	3	5	6	4	3	21
Gastritis		...	...	...	...	...	2	2	1	...	5
Syphilis		...	1	...	...	1	3	...	1	...	5
Rickets		...	...	...	...	...	...	...	...	...	...
Suffocation, overlying		...	...	...	...	...	...	...	...	...	...
Injury at Birth		...	...	...	...	...	...	...	...	...	...
Atelectasis		...	...	...	...	...	...	...	...	...	...
Congenital Malformations		6	2	1	...	9	...	...	1	...	10
Premature Birth		32	7	4	3	46	3	1	...	...	50
Atrophy, Debility and Marasmus		6	3	...	2	11	3	2	1	...	17
Other Causes		5	1	...	...	6	3	...	1	...	10
Totals		57	16	9	9	91	37	31	26	18	203

Nett number of Births registered in the year—Legitimate, 2550; Illegitimate, 75

Nett number of Deaths in the year—Legitimate Infants, 194; Illegitimate Infants, 9.

Legitimate rate, 76.0; Illegitimate rate, 120. Total rate, 77.3.

Deaths from all causes at all ages, 1126. Population, 90,728 (Reg. Gen.)

- Table 5.

WARD STATISTICS.

WARD.	Estimated population middle 1920.	Nett Birth Rates per 1000 population		Nett Infantile Death- rate, per 1000 Births.		NETT DEATH RATES. (per 1,000 "civil" population).											
		1920.	1919.	1920.	1919.	All Causes.		7 Principal Zymotic Diseases		Total Zymotic Diseases.		Tuberculosis.		Respiratory Diseases.			
						1920.	1919.	1920.	1919.	1920.	1919.	Other Forms					
												1920.	1919.		1920.	1919.	
Crindau	-	29'73	24'28	87'7	85'8	13'71	13'67	1'05	2'22	3'46	2'48	1'26	76	52	32	2'52	2'92
Caerau	-	22'54	15'58	70'8	45'7	11'56	10'71	40	11	1'30	2'12	60	64	...	31	1'40	1'38
St. Woolos	-	16'14	12'68	110'1	86'9	13'41	12'49	1'23	14	3'42	3'31	1'10	86	27	15	2'33	1'30
Tredegar	-	37'70	24'84	80'9	95'2	12'21	14'65	1'46	41	2'53	5'75	66	110	...	68	1'86	1'64
Alexandra	-	33'27	25'72	109'9	79'1	14'71	13'29	2'16	77	4'05	3'84	1'35	115	09	10	1'98	2'30
Central	-	29'23	22'75	99'1	70'6	15'87	17'64	1'64	52	4'16	4'00	1'13	116	26	13	2'65	3'48
St. Julians	-	26'23	20'51	61'6	106'4	11'02	11'59	1'42	...	3'13	1'68	1'14	69	09	30	1'33	2'28
Maindee	-	25'31	17'70	48'1	82'7	9'34	13'17	27	42	1'48	2'08	54	97	...	28	1'21	2'78
Victoria	-	31'92	22'80	57'1	83'7	12'98	11'58	1'82	47	3'76	2'11	80	58	57	12	3'08	1'99
Lliswerry	-	33'30	28'27	59'9	72'1	9'61	11'20	1'27	77	3'09	2'88	1'09	58	55	48	1'27	2'30
Whole B'ro'gh	90,728	28'93	22'12	77'3	80'05	12'41	12'88	1'30	39	3'08	2'98	1'00	84	24	29	1'94	2'25

Table 6.

DEATH RATES (PER 1,000 LIVING) IN EACH WARD FROM EACH OF THE SEVEN
PRINCIPAL ZYMOTIC DISEASES.

Ward.	Measles.		Scarlet Fever.		Diphtheria and Membranous Group.		Whooping Cough.		Enteric Fever.		Diarrhoea. (under 2 years of age)		Total 7 Principal.	
	1920.	1919.	1920.	1919.	1920.	1919.	1920.	1919.	1920.	1919.	1920.	1919.	1920.	1919.
Crindau	.52	...	...	.11	.21	...	...	...	...	...	.31	.11	1.05	.22
Caerau	.20	...	...	.11	.10	...	...	...	...	...	.10	...	.40	.11
St. Woolos	.68	...	.14	...	.27	.14	...	...	...	...	.14	...	1.23	.14
Tredegar	.66	...	...	...	.13	.14	.27	.14	...	...	4.00	.14	1.46	.41
Alexandra	.81	...	...	.19	.09	...	.45	.10	...	.10	.81	.38	2.16	.77
Central	1.01	...	...	...	.25	...	...	...	...	...	.38	.52	1.64	.52
St. Julians	.38	...	...	...	.85	...	...	...	.09	...	.09	...	1.42	...
Maindee	...	...	.13	...	.13	.28	...	.14	...	...	...	...	.27	.42
Victoria	1.37	...	...	...	.11	...	.23	.12	...	...	.11	.35	1.82	.47
Lliswerry	1.00	...	.09	.38	.18	.10	...	.19	...	...	...	.10	1.27	.77
Total	.67	Nil	.03	.09	.24	.06	.10	.09	.01	.01	.24	.16	1.30	.39

N.B.—No death occurred from Small Pox in either of the above years.

Table 7.

VACCINATION STATISTICS.

Returns as to the Vaccination of Children Born each Year from July 1st, 1896,
to June 30th, 1920.

YEAR. (ended June 30)	Births	Successfully Vaccinated	Insusceptible of Vaccination	Had Small Pox	Dead Unvaccinated	Postponed by Medical Certificate	Removed to Districts the Vaccination Officer of which has been apprised	Removed to Districts unknown or that cannot be reached, and cases not having been found	In Abeyance	Certificates of Exemption	Percentage successfully Vaccinated
1897	1995	1614	13	..	223	27	25	73	20	...	91.08
1898	2160	1598	28	..	249	69	4	100	97	15	83.6
1899	2226	1545	26	1	269	94	10	93	103	78	79.
1900	2103	1534	7	...	...	49	11	79	60	110	85.
1901	2185	1627	6	1	269	23	16	99	32	113	85.
1902	2213	1799	5	..	219	30	10	66	9	75	90.2
1903	2345	1910	4	...	222	43	15	69	13	69	90.1
1904	2281	1809	7	...	260	57	12	60	5	71	89.3
1905	2365	1881	12	..	226	56	18	80	3	89	87.9
1906	2354	1759	8	...	247	124	13	99	6	98	83.4
1907	2427	1798	9	...	247	115	13	143	6	96	82.4
1908	2479	1580	7	...	240	201	16	162	9	264	70.5
1909	2520	1470	8	...	208	106	14	170	4	540	63.5
1910	2452	1306	11	..	216	93	11	151	2	662	58.4
1911	2348	1048	3	...	206	100	14	152	5	820	48.8
1912	2340	968	6	...	214	75	10	164	...	903	45.5
1913	2301	922	4	...	190	72	12	121	...	980	43.7
1914	2443	885	4	...	206	117	9	152	...	1070	39.7
1915	2148	739	2	...	153	104	13	137	...	970	37.1
1916	2043	763	3	...	151	117	16	105	...	885	40.7
1917	1891	695	3	...	132	125	11	82	...	843	39.8
1918	1786	653	8	...	137	114	10	59	...	805	40.0
1919	1762	603	5	...	132	107	5	86	...	824	37.2
1920	2575	852	5	...	161	138	11	79	...	1329	35.5

Table 8.
ANALYSIS OF INFECTIOUS DISEASES, NOTIFICATIONS, YEAR 1920.

NOTIFIABLE DISEASES.	CASES NOTIFIED IN WHOLE DISTRICT.								At all Ages. Corresponding period last year.	TOTAL CASES NOTIFIED IN EACH WARD.										NO. OF CASES REMOVED TO HOSPITAL FROM EACH WARD.										Cases Admitted from outside Borough.	Total Admissions.	
	At Ages—Years.									Crindau.	Caerau.	St. Woolos.	Tredegar.	Alexandra.	Central.	St. Julians.	Maindee.	Victoria.	Llswerry.	Crindau.	Caerau.	St. Woolos.	Tredegar.	Alexandra.	Central.	St. Julians.	Maindee.	Victoria.	Llswerry.			
	Under 1.	1 to 2.	2 to 5.	5 to 15.	15 to 25.	25 to 45.	45 to 65.	65 and upwards.																								
Diphtheria—																																
Males ...	4	3	16	72	7	3	2	...	244	51	12	15	14	4	2	3	111	42	22	19	6	10	7	3	2	1	63	21	10	8	15	146
Females ...	1	2	13	93	19	7	2	...																								
Membranous Croup—									4	1	1	...	...	1	...	...	1	1	...	1	...	...	...	...	...	...	...	1	...	3	5
Males ...	...	1	...	1	...	...	...	...																				
Females ...	...	1	...	1	...	...	...	...																				
Erysipelas—									46	47	1	4	6	4	7	5	4	1	3	8	...	...	1	...	2*	1	...	...	...	...	4*
Males ...	1	...	2	5	2	12	7	4																								
Females ...	...	...	...	1	...	7	4	1																							
Scarlet Fever—									373	421	38	27	50	36	57	18	34	48	29	36	33	17	34	24	38	11	22	39†	17	21	7	263
Males ...	2	7	43	111	9	2	1	...																								
Females ...	2	4	35	127	22	8	...	...																						
Enteric Fever—									10	8	2	1	1	...	...	4	1	...	...	1	2	1	1	...	...	4	...	...	...	2	10
Males ...	...	...	...	...	...	1	4	1																							
Females ...	...	...	...	...	1	2	1	...																							
Puerperal Fever	...	...	...	...	1	11	...	...	12	4	2	1	1	2	...	1	1	3	1	...	2	1	...	1	...	...	3	...	...	7*	
Tuberculosis																																
(Lungs)—																																
Males ...	...	...	...	5	13	34	13	1	125	119	16	5	18	10	14	17	15	5	11	14	...	...	...	...	...	...	...	...	...	...
Females ...	1	...	3	5	15	27	7	1																								
(Other Forms)—																																
Males ...	1	2	4	7	2	4	2	1	55	51	9	2	3	2	7	3	8	3	6	12	...	...	...	...	...	...	...	...	...	...
Females ...	1	...	3	19	4	5	...	...																						
Ophthalmia																																
Neonatorum—																																
Males ...	5	...	...	...	...	...	...	...	9	19	5	...	...	...	...	1	1	...	1	1	...	...	...	...	...	...	...	...	...	...
Females ...	4	...	...	...	...	...	...	...																	
Dysentery	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaria ...	...	...	...	...	...	...	...	...	9	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Influenzal Pneumonia																																
Males ...	...	...	...	1	1	9	2	1	17		1	6	3	...	1	3	...	...	1	2	...	...	...	...	...	...	...	...	...	...
Females ...	1	...	...	...	1	...	1	...																							
Primary Acute Pneumonia—																																
Males ...	14	2	5	6	7	14	10	3	82	70	16	6	12	10	5	6	2	4	10	11	...	...	...	...	...	...	...	...	...	...
Females ...	3	2	4	5	...	3	...	4																								
Small Pox—																																
Males ...	...	...	...	...	...	1	...	...	1	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Females ...	...	...	...	...	...	...	...	...																
Cerebro Spinal Meningitis—																																
Males ...	1	...	...	...	1	...	...	...	2	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females ...	...	...	...	...	...	...	...	...																
Totals ...	41	24	128	450	106	149	55	17	980	802	106	67	110	69	94	61	177	107	85	104	44	29	43	28	43	17	85	63	28	29	27	436†

* 8 Cases admitted to Royal Gwent Hospital, viz.:—

7 Puerperal Fever and 1 Erysipelas.

† Includes 1 Case admitted as Meningitis following Scarlet Fever.

Also 5 Observation Cases were admitted, viz.:—

1 re Typhoid Fever; 1 re Diphtheria; 1 re Scarlet Fever; 1 re Cerebro Spinal Meningitis; and 1 as Mumps.

Table 9.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1912.
Summary of Notifications during the period 1st January to the 31st December, 1920.

Summary of Notifications during the period 1st January to the 31st December, 1920.

		Number of Notifications on Form "A "														Number of Notifications on Form "B "					Number of Notifications on Form "C "		Number of Notifications on Form "D "		
		Primary Notifications.														Primary Notifications.				Total Notifications (i.e. including cases previously notified by other Doctors.)	Poor-Law Institutions.	Sana-toria.	Poor-Law Institutions.	Sana-toria.	
		0-1	1-2	2-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65 and upwards	Total.	Under 5	5-10	10-15	Total.							
Age Periods.		0-1	1-2	2-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	65 and upwards	Total.	Total Notifications (i.e. including cases previously notified by other Doctors.)	Under 5	5-10	10-15	Total.	Total Notifications (i.e. including cases previously notified by other Doctors.)	Poor-Law Institutions.	Sana-toria.	Poor-Law Institutions.	Sana-toria.	
Pulmon-ary	Males	...	...	...	2	3	3	10	21 ¹	13 ¹	10 ¹	3	1 ¹	66 ⁴	75 ⁴	...	...	...	...	...	...	67	1	69
	Females	1	...	3 ²	2 ¹	3	8	7	18 ¹	9 ¹	5 ¹	2 ¹	1	59 ⁷	74 ⁷	...	...	...	...	...	8	20	2	21
Non-Pulmon-ary	Males	1	2	4 ¹	5 ³	2	2 ¹	...	4 ¹	...	1 ¹	1	1 ¹	23 ⁴	24 ⁶	...	...	...	...	...	...	5	...	11
	Females	1 ¹	...	3 ¹	11 ¹	8 ¹	3 ²	1	4 ²	1	...	...	...	32 ⁷	34 ⁸	...	...	...	...	2	...	19	...	23
Totals		...	3 ¹	2	10 ⁴	20 ⁵	16 ¹	16 ³	18	47 ⁵	23 ²	16 ³	6 ¹	3 ²	180 ²⁷	207 ²⁷	2	8	111	3	124 ³⁰
Bones & Joints	Males	...	1	1	1	...	1	...	2	...	1 ¹	...	...	7 ¹	8 ¹	...	...	...	...	...	...	3	...	6
	Females	...	...	1	3	1	...	...	...	...	...	...	...	5	5	...	...	...	...	1	...	7	...	11
Bowels	Males	1	...	1	...	...	...	...	...	...	...	...	...	2	2	...	...	...	...	...	...	1	...	3
	Females	1 ¹	...	...	...	1 ¹	2 ¹	...	1	...	...	...	...	5 ⁴	5 ⁴	...	...	...	...	...	...	1	...	1
Glands	Males	...	1	...	...	1	...	...	...	...	...	...	1	3	3	...	...	...	...	...	...	1	...	2
	Females	...	...	...	7	5	...	1	2	1	...	...	...	16	18	...	...	...	...	1	...	11	...	11
Brain	Males	...	...	3 ²	2 ⁵	1	...	...	...	...	...	...	...	6 ⁴	6 ⁴	...	...	...	...	...	...	...	...	...
	Females	...	...	1	2 ¹	1	1 ¹	...	...	...	...	...	...	5 ²	5 ²	...	...	...	...	...	...	...	...	...
Skin	Males	...	...	...	...	...	...	...	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
	Females	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
General	Males	...	...	...	1 ¹	...	1 ¹	...	1 ¹	...	...	...	1 ¹	4 ⁴	4 ⁴	...	...	...	...	...	...	...	...	...
	Females	...	...	...	...	...	...	...	1 ¹	...	...	...	...	1 ¹	1 ¹	...	...	...	...	...	...	...	...	...
Totals Non-Pulmonary Forms.		2 ¹	2	7 ²	16 ⁴	10 ¹	5 ³	1	8 ³	1	1 ¹	...	2 ¹	55 ¹⁰	58 ¹⁰	...	...	...	...	2	...	24	...	34

The small figures shown are those notified "after death," the total being 27, same are included in the figures in which spaces they are shown.

MATERNITY AND CHILD WELFARE CENTRES.

SUMMARY for year ending 31st December, 1920.

Mothers on Register.	Gravid.	Central.	Alexand.	Maiden.	Liberty.	Total.
Old	210	186	239	158	225	1058
New	74	14	2	8	1	93
Inward Transfers	...	5	1	8	1	46
Total	285	333	347	248	307	1499
(Life.	...	...	...	...	...	...
Loss Outward Transfers	1	1	36	2	4	44
(Deaths	2	...	1	2	12	18
Net Total	283	331	299	244	281	1447
Expectant Mothers—Old	19	30	56	19	31	155
(included in above	44	92	59	45	41	285
New	...	...	...	...	...	...
figures)	...	...	...	...	...	...
Total	63	122	85	64	72	466
Inbants on Register.	65	55	60	45	56	281
New	75	148	98	75	102	498
Inward Transfers	...	...	...	6	...	7
Total	141	203	158	126	158	786
Passed into 5th year	85	88	82	63	83	401
Loss Outward Transfers	...	1	3	1	5	6
(Deaths	4	6	...	...	3	17
Net Total	52	108	69	59	63	331
Children on Register.	198	143	230	145	197	923
Old	...	61	33	28	21	164
New	85	88	82	63	83	401
Transferred from Infants	...	...	...	2	1	8
Inward Transfers	...	...	...	...	...	...
Total	302	309	345	238	302	1496
Passed into 5th year	55	42	49	20	44	210
Loss Outward Transfers	...	...	...	1	3	9
(Deaths	2	2	4	...	7	16
Net Total	243	265	261	213	241	1223
Medical Examinations.	Individuals.	Individuals.	Individuals.	Individuals.	Individuals.	Individuals.
Number of Examinations	17	25	30	16	24	31
Number of Mothers	18	28	79	24	31	79
Other Mothers	...	...	...	...	...	...
Total Mothers	45	92	108	46	57	84
Infants under 1 year	73	125	138	69	84	93
Children 1-5 years	24	70	74	12	19	75
Total	142	209	320	127	182	222
Deaths.	1	1	1	1	1	1
Infants, M.	...	...	...	...	...	...
C. Children	...	...	...	...	...	...
Weightings.	Number of Individuals	Number of Individuals	Number of Individuals	Number of Individuals	Number of Individuals	Number of Individuals
Number of Weighings	18	20	25	16	24	31
Number of Children	186	47	53	239	43	221
Maternity Club.	...	...	...	...	...	...
Number of Members	...	...	...	...	...	...
Amount paid in	...	...	...	...	...	...
Amount paid out	...	...	...	...	...	...
Clothing.	...	...	...	...	...	...
Number made and sold	...	...	...	...	...	...
Number and value of Gar-	...	...	...	...	...	...
ments given away	...	...	...	...	...	...
Value of Stock in hand	...	...	...	...	...	...
Clothing, etc.	...	...	...	...	...	...
Rubber	...	...	...	...	...	...
Other Monies received for	...	...	...	...	...	...
Playgrounds	...	...	...	...	...	...
Rubber Sold	...	...	...	...	...	...
Tea Money	...	...	...	...	...	...
Attendances.	...	...	...	...	...	...
Mothers	...	...	...	...	...	...
Stewing Classes	...	...	...	...	...	...
Infants under 1 year	...	...	...	...	...	...
Children 1-5 years	...	...	...	...	...	...
Total	...	...	...	...	...	...

List of Cases supplied with Milk and Oatmeal during year ended December 31st, 1920.

WARD SUMMARY.

WARD.	Mothers.	Nursing Mothers.	Expectant Mothers.	Children.	Infants.	Total Cases	Milk Supplied.		Oatmeal Supplied.	
							Amount Qts.	Cost.	Amount Lbs.	Cost.
Crindau ..	3	28	6	16	3	56	1466	£ 53 6 10	56	£ 1 8 1½
Caerau ...	2	8	3	14	2	29	525	19 7 3	33	0 17 9½
St. Woolos ...	...	8	2	2	1	13	388½	13 13 5	3	0 1 1½
Tredegar ...	1	13	2	8	3	27	598½	21 5 11½	41	1 0 0½
Alexandra ...	2	18	7	16	1	44	854	30 0 10	70	1 17 8½
Central ...	...	15	7	8	1	31	756	26 8 6	11	0 5 11½
Maindee ...	...	2	2	1	...	5	156	5 2 0	4	0 2 3
St. Julian ...	2	12	3	9	4	30	693	24 6 10	18	0 10 8
Victoria ...	2	9	2	5	2	20	364	13 10 8	14	0 7 8
Lliswerry ...	3	18	6	13	3	43	882	33 13 0	30	0 14 7½
Totals ...	15	131	40	92	20	298	6683	£240 15 3½	280	£7 5 11½

Table 10.

MEASLES AND GERMAN MEASLES.

School	Quarters of Year	School Children.								Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.						
		Boys.				Girls.				Infants.														
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4							
Alexandra	1	...	...	1	1	...	...	7	9	...	...	8	11	...	...	10	14	...	...	43		
Bolt Street	...	1	1	...	...	1	1	...	...	26	3	...	...	28	4	...	...	8	15	...	...	55
Central	14	...	...	...	14	...	...	...	8	22	...	...	44		
Church Road	...	1	1	...	...	4	3	...	...	29	33	...	...	34	37	...	...	1	23	...	...	95
Corporation Road	...	1	...	...	...	4	2	...	...	86	2	2	...	91	4	2	...	51	1	1	...	150
Clytha	...	1	3	...	...	1	5	...	...	...	10	...	...	2	18	...	...	...	4	...	...	24
Crindau	...	2	...	...	...	1	...	...	...	...	...	...	...	3	...	...	...	15	...	...	...	18
Durham Road	9	...	...	2	23	...	...	11	97	...	...	13	129	...	...	6	44	...	...	192		
Eveswell	3	...	...	...	1	...	...	1	32	...	...	1	35	1	2	7	10	...	...	56		
Holy Cross	...	1	...	...	...	2	1	...	...	19	10	...	...	22	11	...	...	5	5	...	...	43
Llswerry	6	2	...	...	6	2	...	...	2	5	...	...	15		
Maindee	...	4	2	...	...	6	5	...	...	36	16	...	...	46	23	...	...	6	12	...	...	88
Shaftesbury Street	82	...	...	...	82	...	...	...	37	...	...	...	119		
Spring Gardens	17	9	...	...	17	9	...	...	8	14	...	...	48		
St. Joseph's	1	...	...	1	...	...	...	2	17	1	...	3	18	1	...	2	6	...	...	30		
St. Mary's	...	2	...	...	...	1	...	...	...	23	...	...	...	26	...	...	...	18	4	...	...	48
St. Michael's	2	...	...	1	27	...	...	1	27	...	...	2	33	...	1	64		
St. Woolos	1	...	...	...	...	...	...	46	3	...	...	46	6	...	...	18	5	...	...	76		
Tredegar Wharf	...	1	1	...	...	...	1	...	...	10	1	...	...	11	3	...	...	10	1	...	...	25
Higher Elementary	4		
Private Schools	2	...	...	3	1	...	...	8	5	...	...	11	8	...	...	1	1	...	...	21		
No School	14	56	...	...	70		
Totals	...	14	25	...	...	27	44	1	3	424	276	3	1	465	345	4	4	229	278	2	1	1328
												75				704				818				510

Table 11.

WHOOPIING COUGH.

School	Quarters of Year	School Children.												Quarterly Totals for Non-School Cases.				Total for Whole Year.			
		Boys.				Girls.				Infants.				Quarterly Totals for Whole School.							
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4				
Alexandra	6	...	...	...	6	...	...	...	6	15			
Bolt Street	8	...	...	...	8	...	...	...	7	16			
Central	1	...	...	...	1	...	...	...	...	...
Church Road	1	...	...	...	1	...	...	...	...	...
Corporation Road			
Clytha			
Crindau			
Durham Road			
Eveswell			
Holy Cross			
Liswerry			
Maindee			
Shaftesbury Street			
Spring Gardens			
St. Joseph's			
St. Mary's			
St. Michael's			
St. Woolos			
Tredegar Wharf			
Higher Elementary			
Private Schools			
No School			
Totals	...	3	2	..	2	1	...	...	5	14	3	19	52	18	5	19	59	208	
		7				6				88				101				107			

Table 12.

CHICKEN POX.

(Including suspicious cases)

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.	
		Boys.				Girls.				Infants.				1	2	3	4	1	2	3	4		
		1	2	3	4	1	2	3	4	1	2	3	4										
Alexandra	...	1	1	...	...	...	...	...	...	...	...	...	4	1	...	...	4	...	...	...	...	1	9
Bolt Street	3	...	...	...	4	...	...	...	...	2	7
Central	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Church Road	23
Corporation Road	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8
Clytha
Crindau
Durham Road
Eveswell
Holy Cross	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lliswerry
Maindee	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Shaftesbury Street
Spring Gardens	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Joseph's	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
St. Mary's
St. Michael's
St. Woolos
Tredegar Wharf
Higher Elementary
Private Schools
No School
Totals	...	4	5	1	...	...	4	2	1	17	26	12	25	21	35	15	26	5	14	5	15	136	
		10				7				80				97				39					

Table 13.

MUMPS.

(Including suspicious cases)

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.	Quarterly Totals for Non-School Cases.				Total for Whole Year.
		Boys.				Girls.				Infants.					1	2	3	4	
		1	2	3	4	1	2	3	4	1	2	3	4						
Alexandra	...	1	1	...	...	1	...	...	...	...	...	...	1	1	...	...	...	...	4
Bolt Street	3	1	...	3	1	...	...	...	...	...	2	...	...	...	...	...	27
Central	1
Church Road
Corporation Road
Clytha
Crindau	1	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1
Durham Road	1	...	...	...	...	...	2
Eveswell	1	...	...	...	...	...	1
Holy Cross
Lliswerry
Maindee
Shaftesbury Street
Spring Gardens	1	...	...	1	...	...	...	...	1
St. Joseph's
St. Mary's
St. Michael's	1	1	1	...	1	...	1	...	21	2	1	...	25	3	3	...	31
St. Woolos	1	...	...	1	2	...	...	...	3
Tredegar Wharf
Higher Elementary
Private Schools	1	1
No School
Totals	...	1	5	4	1	...	6	4	2	1	33	3	7	2	44	11	10	4	72
														67				5	
														44					
														12					
														11					

Table 14.

OTHER INFECTIOUS AND CONTAGIOUS DISEASES.

(Including suspicious cases)

School	Quarters of Year	School Children.												Quarterly Totals for Whole School.				Quarterly Totals for Non-School Cases.				Total for Whole Year.
		Boys.				Girls.				Infants.				1	2	3	4	1	2	3	4	
		1	2	3	4	1	2	3	4	1	2	3	4									
Alexandra	...	1	3	4	5	6	3	1	8	10	5	...	25
Bolt Street	1	3	2	3	3	...	4	...	1	6	4	10	3	...	34
Central	1	...	...	12	...	...	...	1	9	...	...	...	3	...	...	...	...	6	
Church Road	2	...	...	...	...	...	...	...	1	...	...	6	7	1	37	...	5	...	60	
Corporation Road	...	5	2	1	2	1	2	2	4	1	...	8	9	6	3	2	...	28
Clytha	1	...	...	...	...	1	...	...	...	...	1	
Crindau	...	5	7	6	...	...	4	3	...	...	...	...	...	9	10	13	10	1	...	...	48
Durham Road	...	2	...	1	3	1	3	...	...	1	1	...	3	4	1	1	7	...	...	2	3
Eveswell	...	5	3	...	2	3	...	1	...	1	...	...	3	9	6	1	5	5	1	...	13
Holy Cross	...	3	2	...	1	2	1	...	...	2	1	...	...	7	4	...	1	...	...	...	27
Liswerry	...	2	...	...	2	1	3	...	...	...	...	...	...	3	...	...	7	...	...	...	12
Maindee	...	4	1	1	...	1	...	...	...	...	...	...	...	5	3	6	5	...	1	...	11
Shaftesbury Street	3	2	2	...	5	3	2	...	...	1	...	20	
Spring Gardens	1	...	...	...	...	...	...	...	1	1	1	1	3	1	6	...	...	3	10	
St. Joseph's	2	...	...	...	...	...	...	...	...	...	1	...	...	1	13	
St. Mary's	...	1	...	1	...	...	...	...	...	...	1	...	...	...	3	...	3	1	...	...	2
St. Michael's	...	1	4	1	4	1	...	...	...	3	3	...	2	8	8	1	9	...	3	...	9
St. Michael's	...	2	...	2	...	...	...	...	...	...	1	2	1	2	2	8	6	...	...	...	29
St. Woolos	1	...	...	...	20	
Tredegar Wharf	1	...	...	...	...	1	3	
Higher Elementary	1	...	2	...	...	...	...	3	
Private Schools	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
No School	3	18	...	31
Intermediate	1	1
Totals	...	32	26	21	44	29	25	31	50	15	21	14	21	76	72	66	115	9	32	19	18	407
		123				135				71				329				78				

Table 15.

PERCENTAGE OF NOTIFIED CASES REMOVED TO HOSPITAL,
1897 TO 1920.

Year.	Total of Notified Cases Removed to Hospital.	SCARLET FEVER.		TYPHOID FEVER.		DIPHTHERIA & MEMBRANOUS CROUP.			
		Notifica- tions.	Percent- age of removals	Notifica- tions.	Percent- age of removals	Notifica- tions.	Percent- age of removals	Fatality per cent. Hospital cases.	Fatality % Home Nursed cases.
1897	191	192	73.4	57	63.1	* 25	12.0	66.6 (3 cases)	22.7
1898	149	71	71.8	38	67.5	* 112	57.1	12.5	54.1
1899	132	46	69.5	73	89.0	* 33	78.7	26.9	100.
1900	265	258	61.1	53	73.5	120	58.0	3.0	14.5
1901	345	382	57.3	75	85.3	181	34.2	5.0	13.0
1902	304	371	56.8	44	65.9	145	43.4	3.2	5.1
1903	261	268	76.4	33	66.6	78	44.7	2.4	18.6
1904	238	259	84.1	21	71.4	92	59.7	1.7	19.4
1905	212	136	86.0	24	79.1	110	69.0	2.5	26.4
1906	388	264	84.0	38	86.8	170	78.2	3.7	18.9
1907	459	572	66.0	21	80.9	103	56.3	10.3	17.7
1908	388	437	69.7	47	78.7	80	57.5	15.2	23.5
1909	341	365	73.1	25	80	89	58.4	11.5	13.5
1910	313	293	77.4	27	77.7	103	62.1	6.2	12.8
1911	365	482	62.0	23	82.6	73	64.3	6.3	11.5
1912	445	534	74.3	23	78.2	49	61.2	13.3	26.3
1913	†501	822	51.3	28	89.1	73	63.0	8.7	18.5
1914	577	709	62.6	10	70.	97	71.1	11.6	17.8
1915	309	207	77.7	14	57.1	95	65.2	10.0	18.2
1916	268	218	70.6	14	64.3	131	77.1	6.9	20.
1917	166	101	82.2	3	66.6	46	76.1	8.6	9.0
1918	120	82	74.4	4	100.	30	70.	...	11.1
1919	368	421	56.9	8	87.5	52	59.6	9.7	5.
1920	409	373	68.6	10	80.	248	53.6	9.7	7.8

* Diphtheria only.

† Includes 8 cases of Small Pox.

ALLT-YR-YN HOSPITAL.

DURING EACH WEEK FROM JANUARY 1ST TO DECEMBER 31ST, 1920.

*re Typhoid Fever.	†re Scarlet Fever proven Measles.	‡re Diphtheria.	§re Cerebro Spinal Meningitis (transferred to Royal Gwent Hospital).	Transferred to Royal Gwent Hospital.
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Table 17.
ALLT-YR-YN HOSPITAL and SANATORIUM.

DETAILS OF EXPENDITURE for the past 10 years, each Year ending March 31st.

ITEM.	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Groceries	430 18 11	530 4 6	590 2 11	558 14 1	543 16 5	661 7 1	703 15 8	621 7 4	764 8 1	835 2 9
Meat and Fish	253 3 6	253 11 3	289 9 11	346 6 1	350 18 5	427 19 6	618 4 7	663 16 2	690 0 3	724 7 6
Vegetables and Fruit	26 10 7	34 13 6	40 12 1	40 12 8	34 8 11	76 2 3	41 14 10	32 5 2	47 4 0	83 14 10
Milk, Cream and Eggs	328 0 4	380 9 3	345 14 4	387 13 11	355 19 7	395 13 3	388 0 6	538 2 5	751 5 7	605 6 7
Wines, Spirits and Minerals	2 8 11	2 19 5	5 3 11	2 10 6	2 15 2	1 17 8	2 19 1	3 3 4	1 1 0	6 3 9
Medical Appliances, Drugs, etc.	173 17 1	218 13 1	224 10 3	189 12 11	134 7 7	128 15 8	130 5 0	129 17 9	228 9 7	337 5 3
Disinfectants, Soaps, Oils, etc.	78 7 6	83 13 5	96 2 10	121 4 6	94 0 3	102 19 10	107 18 7	145 0 9	150 8 4	145 14 2
Ironmongery	33 12 3	44 4 11	70 10 11	40 16 10	32 11 0	42 16 0	58 13 9	41 13 10	57 19 2	103 5 1
Crockery	116 14 9	173 1 10	104 6 3	89 16 1	108 1 3	210 17 10	133 9 7	317 5 9	244 2 10	234 19 7
Drapery and Uniforms	82 10 6	281 7 10	109 0 10	179 12 8	12 13 10	87 12 6	66 16 10	36 2 0	259 2 1	497 1 9
Furniture, Repairs, Linoleum, Bedding, etc.	16 19 11	42 15 9	20 15 10	32 5 9	24 13 11	13 6 4	18 5 1	24 14 0	34 4 7	50 7 3
Printing, Stationery and Advertising	...	...	...	...	...	...	...	...	...	...
Baskets and Brushes	...	...	...	...	...	...	...	...	...	...
Repairs, Fittings, etc.	366 1 1	136 4 11	199 18 6	420 10 11	374 18 7	195 18 2	236 7 5	220 5 2	843 14 3	727 14 9
Ground Expenses ...	23 3 10	91 4 11	45 6 9	53 19 1	18 8 0	15 15 2	24 2 7	19 13 11	60 5 10	99 15 7
Horse and Motor Hire—Hauling	1 5 10	1 7 6	3 19 7	21 0 9	1 5 6	5 6 8	6 0 11	11 12 2	68 3 3	154 6 2
Coal, Wood and Chimney Sweeping	312 19 0	287 7 9	360 4 2	351 3 5	428 7 8	468 7 10	439 15 4	461 0 6	586 19 3	695 9 5
Electricity	95 6 2	129 5 9	210 1 1	254 7 1	221 13 4	232 16 4	238 16 9	220 18 2	299 14 9	241 7 5
Gas ...	38 16 0	40 18 6	49 15 0	45 0 1	34 17 0	32 4 6	42 5 11	43 4 9	54 3 0	60 16 9
Water ...	57 7 8	71 15 0	78 5 5	87 17 0	74 2 1	86 10 1	66 14 7	48 3 11	49 15 9	62 1 11
Rates and Insurance	63 19 5	67 10 4	67 11 7	54 12 3	78 0 11	63 9 3	69 19 3	76 12 3	85 13 3	132 0 7
Telephone Charges	10 5 0	10 5 0	160 5 0	10 5 0	10 5 0	11 5 0	0 10 6	2 11 11	1 3 0	19 14 1
Sundries ...	19 8 9	12 17 1	12 16 6	9 18 1	7 9 2	10 16 10	7 9 3	11 9 5	20 2 0	35 1 11
Disbursements	558 9 4	568 9 2	615 14 6	630 11 1	610 10 11	587 16 3	539 17 6	579 10 4	817 4 3	963 18 5
Salaries (Med. Supt., Matron and Nurses)	467 4 10	499 4 8	551 7 10	605 3 9	625 4 5	648 2 2	722 13 1	930 5 0	1117 10 8	1309 5 8
Domestic and Grounds	1329 9 0	1332 19 4	1314 2 2	1308 13 7	1317 10 10	1357 3 9	1322 0 7	1149 1 4	1162 3 9	954 13 3
Interest and Sinking Fund ...	...	...	...	...	...	...	...	...	...	...
Sana- (Preparing Building, Fixtures, &c.)	...	...	...	...	...	...	...	...	...	...
Sanatorium (Furnishing)	...	...	...	...	...	...	...	...	...	...
Allowances, N. H. & Unemployment Insur.	...	...	...	30 16 0	43 13 3	45 12 2	48 17 3	38 3 11	13 8 10	50 16 7
TOTALS ...	4888 12	35329 3	15505 14	05897 11	7 5544 5	105910 12	16035 14	56366 1	38408 7	4 9130 11
RECEIPTS ...	411 7	2 630 3	61485 0	51592 5	10 1751 13	71973 18	11640 16	81687 6	81087 2	6 2046 2
No. of Patients treated	552	586	661	555	355	305	199	209	435	409

† Includes £50 on a/c Contract.

* Sanatorium closed Nov. 1919.

‡ Includes £1750 Insurance recovered.

Table 18.

VENEREAL DISEASES TREATMENT CENTRE.

Copy of Return to the Medical Officer of Health for the year ended 31st December, 1920, relating to persons residing in the County Borough of Newport, with comparative figures for previous two years.

	Year ended 31st Dec., 1920.		Year ended 31st Dec., 1919.		Year ended 31st Dec., 1918.	
	M.	F.	M.	F.	M.	F.
1. Number of persons dealt with at or in connection with the Out-Patient Clinic for the first time and found to be:—						
Suffering from Syphilis	276	48	230	45	191	46
" " Soft Chancre	5	...	7	...	...	...
" " Gonorrhœa	160	18	122	8	64	11
Not suffering from Venereal Disease	2	1	11	10	14	4
Total	443	67	370	63	269	61
2. Number of persons discharged from the Out-Patient Clinic after completion of treatment for:—						
Syphilis	2	...	...	...	1	1
Soft Chancre	8	...	1	...	...	...
Gonorrhœa	15	...	9	2	5	1
Total	25	...	10	2	6	2
3. Number of persons who ceased to attend the Out-Patient Clinic without completing treatment and who were suffering from:—						
Syphilis	39	...	4	...	47	3
Soft Chancre ... ..	...	...	...	...	...	...
Gonorrhœa	27	...	...	...	9	1
Total	66	...	4	...	56	4
4. Total attendances of all persons at the Out-Patient Clinic who were suffering from:—						
Syphilis	1846	618	1212	364	767	340
Soft Chancre	78	...	12	...	...	...
Gonorrhœa	624	138	1019	71	201	61
Not found to be suffering from Venereal Diseases	19	3	33	18	13	7
Total	2567	759	2276	453	981	408
5. Aggregate number of "In-Patient days" of treatment given to persons suffering from:—						
Syphilis	326	139	266	92	285	189
Gonorrhœa	53	52	86	34	149	141
Total	379	191	352	126	434	330
6. Number of persons treated with Salvarsan substitutes	441	134	290	...	161	19
7. Number of doses of Salvarsan substitutes given:—						
Name of Drug, N.A.B., dose '15 ... ..	...	...	...	...	1	...
" " " '015 ... ..	...	2	2	...	...	...
" " " '02 ... ..	...	2	...	...	...	...
" " " '03 ... ..	...	2	...	...	...	...
" " " '05 ... ..	...	7	3	...	...	...
" " " '2 ... ..	...	1	5	...	...	...
" " " '3	45	57	123	...	1	...
" " " '4 ... ..	...	8	9	...	...	...
" " " '45	196	250	354	...	435	...
" " " '6	641	...	334	...	92	...
" " " '1 ... ..	...	20	...	...	1	...
" " " '06 ... ..	...	3	...	...	...	...
Galy (I.M.), '4 ... ..	...	...	...	...	2	...
Total	882	352	830	...	512	...
8. Examinations of Pathological material:—						
(a) Specimens from persons attending at the Treatment Centre which were examined at this Centre. Number:—						
For detection of Spirochaetes ... ..	...	...	...	...	...	...
" " " Gonococci ... ..	...	...	...	...	...	...
For Wassermann Reaction ... ..	...	...	...	...	...	...
Others ... ..	...	...	...	...	...	...
Total ... ..	...	...	...	...	...	...
(b) Specimens from persons attending at the Treatment Centre which were examined at an independent laboratory. Number:—						
For detection of Spirochaetes	156	...	23	...	1	...
" " " Gonococci	348	...	116	...	12	...
For Wassermann Reaction	651	...	374	...	213	...
Others ... ..	...	...	...	...	...	...
Total	1155	...	513	...	226	...

OF THE UNITED STATES OF AMERICA
FROM 1776 TO 1876
BY
JAMES M. SMITH

THE HISTORY OF THE UNITED STATES
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Table 19.

FACTORIES, WORKSHOPS, WORKPLACES and HOMEWORK.
1.—INSPECTIONS AND SUMMARY.

Premises.	No. on Register.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances Discovered.	No. of Notices Served.
Factories ...	122	61	79	21	12
Workshops (including Bake-houses) ...	786	1447	427	136	109
Workplaces ...	90	842	33	32	28
Outworkers Premises ...	73	150	41	...	...
Totals ...	1071	2500	580	189	149

Table 20.

2.—DEFECTS FOUND.

Particulars.	No. of Defects.	
	Found	Remedied
<i>Nuisances under the Public Health Acts :—*</i>		
Want of cleanliness	104	104
Want of ventilation	...	...
Overcrowding ...	...	...
Want of drainage of floors	...	...
Other nuisances	23	23
Sanitary accommodation {	insufficient or without	1
	unsuitable or defective	6
	not separate for sexes	5
<i>Offences under the Factory and Workshop Act :—</i>		
Illegal occupation of underground bakehouse (s. 101) ...	...	...
Breach of special sanitary requirements for bakehouses (ss. 97 to 100) ...	50	50
Other Offences— (Excluding offences relating to outwork which are included in Part 3 of this report)	...	...
Total ...	189	189

*Including those specified in sections 2, 3, 7 and 8, of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

Table 21.

3.—HOME WORK.

OUTWORKERS' LISTS, SECTION 107.																	Outwork in Unwhole- some Premises, Section 108			Outwork in Infected Premises, Sections 109, 110.		
NATURE OF WORK.	Lists received from Employers.										Prosecutions.						Instances (11)	Notices served (12)	Prosecutions (13)	Instances (14)	Orders made (S. 110) (15)	Prosecutions (Sections 109, 110) (16)
	Sending twice in the year.		Sending once in the year.		Notices served on Occupiers as to keeping or sending lists						Failing to keep or permit inspection of lists		Failing to send lists (10)									
	Out- workers		Out- workers		Lists		Cont'ors		Workmen		Failing to keep or permit inspection of lists		Failing to send lists (10)									
	Lists		Cont'ors		Workmen		Lists		Cont'ors		Workmen		Failing to keep or permit inspection of lists		Failing to send lists (10)							
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)							
Wearing Apparel—																						
(1) Tailoring	3	...	21	...	...	...	...	...	...	...	...	...	...
(2) Knitting	1	1	...	...	...	...	...	...	...	...	...	...	...
(3) Oilskin Making						
Umbrella Repairing						
Total	4	1	21	...	...	...	...	...	...	...	...	...	...

Defaulters both in February and July—34. (All Tailors.) * Patient removed to Hospital forthwith and Premises disinfected.

Do. in February only—4 (1 Oilskin Maker, 1 Knitting, 2 Tailors).

Do. in July only—3 (All Tailors).

Total Defaulters, 41. Total Defaults, 75.

Table 22.

4.—WORKSHOPS on Register at end of 1920.

(Section 131 F. & W. Act, 1901).

Class of Trade.	Number on Register	Number of Inspection s	Number of Re-visits (for Super- vision of Work)	Number of Nuisances Dis- covered	Number of Notices Served
Adamant Works	5	3	10	1	1
Art Needlework	1	1	...	...	...
Bakehouses	67	365	149	50	41
Basket Making	7	3	2	1	1
Boat Building	5	3	...	...	...
Boot and Shoe Making and Repairing ...	91	58	17	7	6
Botanical Breweries	5	11	1	...	...
Bottling Stores	3	1	...	...	...
Brush Making	2	2	8	2	1
Cabinet Making and Repairing ...	43	22	6	5	4
Carpentry and Joinery	50	26	...	...	...
Carriage Building and Wheelwrights ...	18	16	9	7	3
Clog Making	3	...	...	...	...
Coffin Making	4	4	...	...	...
Coopers	2	...	...	...	...
Copper, Brass and Lock Smithies ...	1	...	...	...	...
Cycle Building and Repairing ...	30	21	6	2	2
Dentistry (Mechanical)	20	...	...	...	...
Drapery, Upholstery	1	...	...	...	...
Dress and Mantle Making	88	210	22	1	1
Dyeing and Cleaning	1	2	...	...	...
Engraving (Metal)	2	...	...	...	...
Fish Curing	2	2	...	...	...
Firelighters Making	1	...	...	1	1
Furriers	1	...	...	...	...
Iron and Wire Making	1	1	...	...	...
Lath Rending, Helve and Ladder Making	2	...	...	...	...
Laundries (Hand)	13	19	15	4	3
Millinery	50	88	18	3	3
Motor Repairing	29	32	23	8	8
Model Cast Making... ..	1	...	...	...	...
Musical Instrument Repairing ...	1	1	...	...	...
Oilskin Making	2	...	...	...	...
Packing (including Dry Salting) ...	2	4	...	...	...
Paper Sorting	1	1	1	...	...
"Paint Improver" Making	2	...	...	...	...
Patternmaking	1	...	3	...	...
Photographers	8	22	4	1	1
Pianoforte Repairing	2	1	...	...	...
Picture Framing and Gilding ...	14	4	...	...	...
Plumbing	21	13	2	4	2
Rag and Bone Sorting (inclu. Marine Stores)	11	192	14	10	9
Saddlery	9	4	6	1	1
Sail, Blind and Tent Making ...	3	1	...	...	...
Sculptoring and Stone Dressing ...	14	12	4	2	1
Sewing Machine Repairing	1	...	...	...	...
Signwriting, Painting and Glazing ...	8	4	...	...	...
Smithies (General)	25	18	10	3	3
Sugar Boiling	7	18	2	1	1
Steel Welding	2	3	3	1	1
Tailoring	34	229	78	18	13
Taxidermy	1	...	...	...	...
Tin Smithies	12	2	6	1	1
Umbrella Making and Repairing ...	6	1	...	...	...
Wagon (Railway) Building	9	...	...	...	...
Watchmaking and Repairing	31	14	5	2	1
Weighing Machine Building and Repairing	4	5	...	...	...
Wood Bundling and Cutting	6	8	3	...	...
TOTAL	786	1447	427	136	109

Table 26.

5.—OTHER MATTERS.

Class.	No.
(1)	(2)
Matters notified to H.M. Inspector of Factories:—	
Failure to affix Abstract of the Factory and Workshop Act (S. 133, 1901)	1
Action taken in matters referred by H.M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshop Act (S. 5, 1901)	8
Notified by H.M. Inspector ...	...
Reports (of action taken) sent to H.M. Inspector ...	...
Other (Notices of new Workshop received from H.M. Inspector)	26
Underground Bakehouses (S. 101) in use at end of year ... ..	...

Table 27.

INFECTIOUS DISEASES and REGISTERED
PREMISES, 1920.

Class of Premises.	No. of Cases.						TOTALS.	
	Scarlet Fever	Diphtheria and Membranous Croup	Erysipelas	Ophthalmia Neonatorum.	Whooping Cough.	Measles.		
WORKSHOPS:—								
Bakehouses	*1	...	...	...	1	2	
Boot Making and Repairing ...	1	1	...	...	1	...	3
Cycle Repairing	2	2	
Motor Garage	1	1	2	
Sculptoring	*1	...	...	...	...	1	
Tailoring	¹ 2	...	...	...	...	2	
Watchmaking and Repairing	1	1	
OUTWORKERS:—								
Tailors	1	...	1	
WORKPLACES:—								
Fish Frying	1	...	...	...	1	2	
Totals for Workshops, etc. ...								16
Midwives Premises	*1	...	*1	...	1	3	
Milkshops	1	...	...	...	...	1	
Seamen's Lodging Houses	*1	...	...	...	...	1	
Sublet Houses	1	...	...	1	2	
Totals ...								23

The cases marked * were not removed to Hospital.

Table 27.

INFECTIOUS DISEASES AND REGISTERED
PREVALENCE, 1900

Year	No. of Cases				
	Scarlatina	Diphtheria	Whooping Cough	Measles	Small Pox
1900	1	1	1	1	1
1901	1	1	1	1	1
1902	1	1	1	1	1
1903	1	1	1	1	1
1904	1	1	1	1	1
1905	1	1	1	1	1
1906	1	1	1	1	1
1907	1	1	1	1	1
1908	1	1	1	1	1
1909	1	1	1	1	1
1910	1	1	1	1	1
1911	1	1	1	1	1
1912	1	1	1	1	1
1913	1	1	1	1	1
1914	1	1	1	1	1
1915	1	1	1	1	1
1916	1	1	1	1	1
1917	1	1	1	1	1
1918	1	1	1	1	1
1919	1	1	1	1	1
1920	1	1	1	1	1
1921	1	1	1	1	1
1922	1	1	1	1	1
1923	1	1	1	1	1
1924	1	1	1	1	1
1925	1	1	1	1	1
1926	1	1	1	1	1
1927	1	1	1	1	1
1928	1	1	1	1	1
1929	1	1	1	1	1
1930	1	1	1	1	1
1931	1	1	1	1	1
1932	1	1	1	1	1
1933	1	1	1	1	1
1934	1	1	1	1	1
1935	1	1	1	1	1
1936	1	1	1	1	1
1937	1	1	1	1	1
1938	1	1	1	1	1
1939	1	1	1	1	1
1940	1	1	1	1	1
1941	1	1	1	1	1
1942	1	1	1	1	1
1943	1	1	1	1	1
1944	1	1	1	1	1
1945	1	1	1	1	1
1946	1	1	1	1	1
1947	1	1	1	1	1
1948	1	1	1	1	1
1949	1	1	1	1	1
1950	1	1	1	1	1
1951	1	1	1	1	1
1952	1	1	1	1	1
1953	1	1	1	1	1
1954	1	1	1	1	1
1955	1	1	1	1	1
1956	1	1	1	1	1
1957	1	1	1	1	1
1958	1	1	1	1	1
1959	1	1	1	1	1
1960	1	1	1	1	1
1961	1	1	1	1	1
1962	1	1	1	1	1
1963	1	1	1	1	1
1964	1	1	1	1	1
1965	1	1	1	1	1
1966	1	1	1	1	1
1967	1	1	1	1	1
1968	1	1	1	1	1
1969	1	1	1	1	1
1970	1	1	1	1	1
1971	1	1	1	1	1
1972	1	1	1	1	1
1973	1	1	1	1	1
1974	1	1	1	1	1
1975	1	1	1	1	1
1976	1	1	1	1	1
1977	1	1	1	1	1
1978	1	1	1	1	1
1979	1	1	1	1	1
1980	1	1	1	1	1
1981	1	1	1	1	1
1982	1	1	1	1	1
1983	1	1	1	1	1
1984	1	1	1	1	1
1985	1	1	1	1	1
1986	1	1	1	1	1
1987	1	1	1	1	1
1988	1	1	1	1	1
1989	1	1	1	1	1
1990	1	1	1	1	1
1991	1	1	1	1	1
1992	1	1	1	1	1
1993	1	1	1	1	1
1994	1	1	1	1	1
1995	1	1	1	1	1
1996	1	1	1	1	1
1997	1	1	1	1	1
1998	1	1	1	1	1
1999	1	1	1	1	1
2000	1	1	1	1	1

Table 28.

NUISANCES DISCOVERED IN WORKSHOPS, ETC., AND REMEDIED.

DESCRIPTION OF NUISANCES.	WORKSHOPS PROPER																								Out-workers		Total			
	Adamant Plaster Works	Bakehouses	Basket Making	Blacksmiths	Boot and Shoe Making & Repairing	Brush Making	Cabinet Making and Upholstering	Carriage Building	Cycle Repairing	Dress and Mantle Making	Firelighters (Manufacture of)	Laundries (Hand)	Millinery	Motor Repairing	Photography	Plumbing	Rag and Bone Sorting	Sadlery	Sculptoring and Stone Dressing	Sugar Boiling	Tailoring	Tinsmiths.	Watchmaking and Repairing	Welding and Vulcanising Works	Total Workshops	Tailoring		Total Outworkers		
																													Total Workplaces	Total Factories
Accumulation of Refuse...	4	...	...	...	1	1	...	...	...	...	...	...	...	...	8	...	...	...	...	6	...	...	...	20	...	...	...	20
Drains—
Defective	2	...	...	...	2
Choked	1	...	1	1	1	...	...	...	...	4	...	...	...	...	...	...	...	...	...	...	...	8	...	...	1	9
Inlets fitted with defective traps
Ventilation Defective
Sanitary Conveniences—
So foul as to be a nuisance	2	...	2	...	1	1	1	...	...	...	1	1	...	1	2	...	...	...	...	...	...	...	13	...	...	...	8	21
Choked	1	...	...	...	...	...	...	...	...	...	...	3	...	...	...	2	5
So defective as to be a nuisance	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	2
Improper type	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Improperly situated	2
Defective or without flushing cistern	1	...	...	...	...	1	2	...	...	2	4
Not separate for sexes	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	2	5
Accommodation, without	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Roofs—	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	...	...	...	1	4
Defective or guttering or downpipes defective
Sinks—
Without under Water Tap	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
Defective Waste pipe	2	2
Workshop—
Smoke nuisance (Chimney too low)	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Interior dilapidations	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	1	3
In a dirty and insanitary state	40	1	2	5	...	2	1	1	...	...	2	1	...	...	2	2	1	...	1	6	1	...	68	...	...	26	2	96
Utensils dirty or defective	1	...	1
With insufficient or without ventilation
With insufficient or without light
Overcrowded
Yard—														

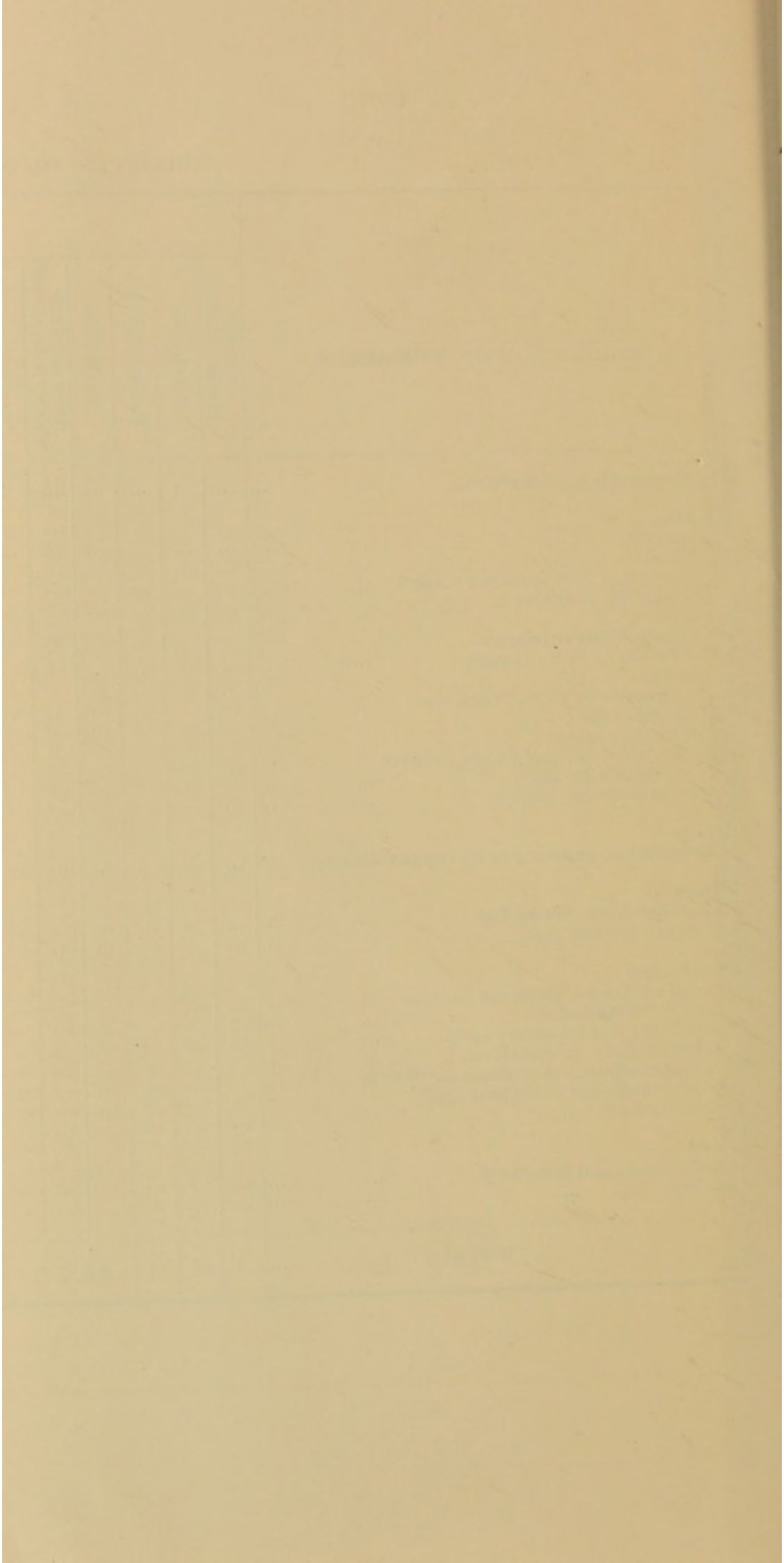


Table 29.

MEAT AND OTHER FOODS CONDEMNED AND DESTROYED.

A.—Showing amount condemned of the various kinds of food from stated causes.

(Weight given in lbs.)

Description	Decomposition.	Tuberculosis.	Inflammation and "Chills."	Blood Poisoning and Abscesses.	Fluke Disease and Dropsy.	Emaciation.	Accidents and Natural Death.	Actinomycosis.	Other Causes.	All Causes.
Beef and Veal—										
Whole Carcases	320	7594	...	510	720	3110	860	...	...	13114
Parts of Carcases	5331	994	...	301	...	40	366	...	260	7292
Organs ...	757	664	59	362	...	40	84	73	29	2068
Mutton and Lamb—										
Whole Carcases	1473	39	...	...	...	...	486	...	...	1998
Parts of Carcases	5087 $\frac{3}{4}$	...	...	...	50	...	30	...	...	5167 $\frac{3}{4}$
Organs ..	566	...	9	...	119	...	16	...	...	710
Pork and Bacon—										
Whole Carcases	220	160	...	130	...	56	966	...	...	1532
Parts of Carcases	795 $\frac{1}{2}$	...	...	...	...	...	...	...	30	825 $\frac{1}{2}$
Organs ...	728	...	60	...	...	...	...	...	..	788
Game ...	444	...	...	...	...	...	...	...	...	444
Poultry ...	222	...	...	...	...	...	...	...	...	222
Fish ...	65661 $\frac{1}{2}$	...	...	...	...	...	...	...	...	65661 $\frac{1}{2}$
Shell Fish ...	395 $\frac{1}{2}$	...	...	...	...	...	...	...	...	395 $\frac{1}{2}$
Tinned Goods—										
Fish ...	64	...	...	...	...	...	...	...	...	64
Meat ...	3063	...	...	...	...	...	...	...	...	3063
Game ...	55	...	...	...	...	...	...	...	...	55
Fruit ...	649	...	...	...	...	...	...	...	...	649
Milk ...	408	...	...	...	...	...	...	...	...	408
Other Goods—										
Vegetables ...	18097	...	...	...	...	...	...	...	...	18097
Butter ...	642 $\frac{1}{2}$	...	...	...	...	...	...	...	...	642 $\frac{1}{2}$
Cheese ...	87	...	...	...	...	...	...	...	...	87
Fruit ...	21443	...	...	...	...	...	...	...	...	21443
All kinds of Food Stuffs	126509 $\frac{1}{2}$	9451	128	1303	889	3246	2808	73	319	144726 $\frac{1}{2}$

Table 29—continued.

B.—Showing amount of all kinds of food condemned from stated causes during each of the four quarters of the year.

(Weight given in lbs.)

CAUSE.				1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.	Whole Year.
Decomposition	...	...	...	32249 $\frac{3}{4}$	56851 $\frac{1}{4}$	28286	9122 $\frac{1}{2}$	126509 $\frac{1}{2}$
Tuberculosis	...	...	...	3137	285	2660	3369	9451
Inflammation and "Chills"	...	...	...	...	...	48	80	128
Blood Poisoning and Abscesses	...	...	...	576	331	128	268	1303
Fluke Disease and Dropsy	...	...	...	795	44	...	50	889
Emaciation	...	...	...	2190	456	449	151	3246
Accidents and Natural Death	...	...	...	1291	737	274	506	2808
Actinomycosis	...	...	...	14	...	44	75	73
Other Causes	...	...	...	260	...	9	50	319
All Causes	...	...	...	40512 $\frac{3}{4}$	58704 $\frac{1}{4}$	31898	13611 $\frac{1}{2}$	144726 $\frac{1}{2}$

Table 29—continued.

C.—Showing by what method the unsound foods were brought to the knowledge of the Department, and the amount condemned on particular premises.

(Weight stated in lbs.)

[illegible]

METEOROLOGICAL DATA FOR THE YEAR 1920.

WEEK ENDING		Mean Reading of Barometer.	Mean Temperature of Air					Degree of Humidity of Atmosphere (per cent.)	Mean Temperature of Earth at		Rainfall in Inches All-yr.-yn Hospital	Registered Sunshine in Hours and Minutes	Sun above the Horizon in Hours and Minutes
			Highest by Day	Lowest by Night	Daily Range	Dry Bulb	Wet Bulb		One Foot	Four Feet			
Jan.	10	29.884	44.0	33.1	10.9	37.9	36.7	89.0	39.1	45.4	.91	19.31	55.52
"	17	30.165	50.4	42.1	8.3	46.0	45.1	93.0	43.7	45.0	2.31	7.40	57.28
"	24	30.374	49.9	41.6	8.3	44.0	42.9	91.0	44.8	45.4	.42	14.40	59.28
"	31	29.660	47.6	38.3	9.3	42.3	41.0	89.0	42.4	46.0	2.10	17.27	61.53
Feb.	7	30.448	48.2	38.1	10.1	41.7	40.3	88.0	43.0	45.3	.37	8.48	64.34
"	14	30.027	48.9	41.3	7.6	44.6	43.7	93.0	43.7	45.0	.88	19.10	67.27
"	21	29.943	52.0	38.4	13.6	40.3	39.4	93.0	45.1	45.9	.43	32.17	70.28
"	28	30.195	47.6	36.8	10.8	39.1	38.8	97.5	42.8	45.5	.18	27.29	73.40
Mar.	6	30.062	50.3	40.0	10.3	43.9	43.3	95.0	44.4	45.4	.41	24.54	76.47
"	13	30.114	47.7	34.9	12.8	39.3	37.6	86.0	43.0	45.7	.61	33.18	80.02
"	20	30.105	48.7	38.3	10.4	42.6	41.1	87.5	43.3	45.0	1.23	32.05	83.16
"	27	29.884	55.8	40.1	15.7	45.3	43.9	88.5	46.6	45.6	1.03	30.44	86.31
April	3	29.308	54.4	43.8	10.6	45.7	45.0	94.5	48.6	46.4	1.06	11.43	89.44
"	10	29.688	50.4	42.1	8.3	45.7	45.3	97.0	47.1	47.0	1.43	7.37	92.56
"	17	29.283	55.4	46.3	9.1	48.1	47.1	92.0	49.6	47.4	2.22	16.17	96.05
"	24	29.897	54.6	42.6	12.0	46.3	45.4	93.0	49.4	48.0	.93	19.10	99.11
May	1	29.825	54.1	42.3	11.8	46.3	44.1	84.0	48.6	48.3	.20	39.11	102.11
"	8	30.172	56.3	43.9	12.4	47.4	46.3	91.5	50.0	49.0	1.59	44.32	104.59
"	15	30.089	59.7	45.1	14.6	51.1	48.4	81.3	52.0	49.1	.73	43.06	107.39
"	22	29.994	58.4	46.0	12.4	50.6	49.0	89.0	53.3	50.0	.87	57.02	110.04
"	29	29.933	69.7	52.4	17.3	57.6	55.7	87.5	58.9	51.4	.51	55.35	112.09
June	5	30.249	66.3	49.6	16.7	53.4	51.6	88.0	59.6	53.3	.14	60.46	113.50
"	12	29.908	63.7	46.4	17.3	51.7	49.6	87.0	59.9	54.3	.83	48.11	115.05
"	19	29.918	66.4	53.0	13.4	57.1	55.9	92.0	59.6	55.0	1.24	28.11	115.48
"	26	30.197	68.1	53.5	14.6	58.3	56.9	90.0	61.3	55.7	.29	44.50	115.55
July	3	29.769	65.0	55.1	9.9	58.4	57.1	91.0	61.4	56.6	1.88	20.36	115.30
"	10	29.747	64.0	51.4	12.6	54.0	52.6	90.0	58.6	56.7	1.29	27.11	114.3

Table 31.

SUMMARY OF WORK DONE DURING THE YEAR 1920.

	No. on Register	No. of Inspections	No. of Re-visits (for supervision of work)	No. of Nuisances discovered for which notices were served	No. of Notices served
Registered Premises—					
Common Lodging Houses ...	13	734	44	7	4
Seamen's Lodging Houses ...	43	613	107	62	31
Houses Let in Lodgings ...	30	123	14	11	8
Cowsheds ...	16	221	5	3	3
Public Slaughter Houses ...	1	761	3	...	...
Private Slaughter Houses ...	3	295	4	1	1
Bakehouses ...	67	365	149	50	41
Dairies ...	2	23	...	3	3
Milkshops and Purveyors of Milk ...	116	439	17	5	4
Workshops (exclusive of Bakehouses) ...	719	1082	278	86	68
Workplaces ...	90	842	33	32	28
Outworkers ...	73	150	41	...	...
Factories ...	122	61	79	21	12
Midwives' Premises ...	39	137	25	...	...
Total ...	1334	5846	799	281	203
Other Premises—					
Private Houses ...	1323	3766	1515	708	...
Do. (Systematic Inspection) ...	1097	554	237	41	...
Do. (for Supervising of Repairs) ...	36	169	...	...	...
Do. <i>Re</i> Cleanliness of Property after renovation ...	535	121	173	56	...
Repair of Drains (notice by Builder <i>re</i> S. 7 N.C Act 1906) ...	39	64	...	...	...
Public Buildings, Hotels, &c. ...	401	140	41	29	...
Schools (Public and Private) ...	16	4	...	...	...
Vans and Tents ...	187	24	3	3	...
Reens ...	10	1	...	...	...
Stables (not Workplaces) ...	884	66	42	37	...
Piggeries ...	341	10	5	5	...
Rubbish Tips, and Open Spaces ...	39	19	9	4	...
Back Lanes ...	47	6	10	8	...
Premises <i>re</i> Infected Shaving Brushes ...	50	...	...	...	...
Infectious Disease Enquiries ...	2643	2087	79	35	...
Houses <i>re</i> Infectious Diseases ...	75	9	...	...	...
<i>Re</i> Maternity and Child Welfare Enquiries ...	4787	5472	5	3	...
Total ...	12510	12512	2119	929	...
Inspection of Meat, Foods, etc.					
Butchers' Premises ...	4071	4	...	...	...
Provision Shops ...	1141	6	5	2	...
Provision Market ...	1018	...	...	...	...
Cattle Market ...	51	...	...	...	...
Cold Storage Premises ...	331	...	1	1	...
Fish and Fruit Premises ...	1671	39	2	1	...
G.W.R. Station ...	980	...	...	...	...
Premises where Ice Cream is Sold ...	222	29	15	7	...
Total ...	9485	78	23	11	...
Grand Total ...	27841	13389	2423	1143	...
Number of Complaints Received ...	...	...	708	...	...
Number of Drains Tested ...	...	...	573	...	...
Number of Fever Cases removed to Hospital ...	...	...	422	...	...
Number of Houses Disinfected (includes 1678 rooms) ...	...	...	855	...	...
Number of Articles Disinfected ...	...	...	7869	...	...
Samples taken under the Food and Drugs Act ...	...	...	104	...	...

Table 32.
SUMMARY OF NUISANCES Etc., FOR THE YEAR 1920.
SHOWING NUMBER AND DESCRIPTION OF NUISANCES DISCOVERED FOR WHICH NOTICES WERE SERVED.

DESCRIPTION OF NUISANCES.	REGISTERED PREMISES.										OTHER PREMISES.													TOTALS
	Common Lodging Houses	Seamen's Lodging Houses	Sublet Houses	Private Slaughter-houses	Cowsheds	Dairies and Milkshops	Workshops, Workplaces and Factories	Bakehouses	Private Houses	Ditto (Systematic)	Ditto (re Cleanliness)	Ice Cream Vendors	Back Lanes	Stables	Fish & Fruit Premises	Vans and Tents	Infectious Disease Enquiries	Refuse Tips and Open Spaces	Public Buildings, Hotels & Restaurants	Cold Storage Premises	Piggeries	Provision Shops	Birth Enquiries.	
Accumulations—																								
Of Refuse injurious to Health ...	1	2					16	4	32	8	2		6	2	1		2	4				1		81
Of Manure ...				1	2				6				1	31				1		1				44
Animals—																								
Kept in a dirty condition or so as to be a nuisance ...									14															14
Without Manure Pit or Pit defective or dilapidated ...														3				1						4
Closets—																								
So foul as to be a nuisance ...		4				2	19	2	15								1		1			1		45
Choked ...	1	1					5		33		1											1		42
Without flushing cistern or cistern out of repair ...		3					4		40	3	4								1					55
So defective as to be a nuisance ...		1					2		59	6	7						7						1	83
Improper type such as "box" or "container" ...							1		1															2
Improperly situated ...							2																	2
Building in a dilapidated state ...		2							35	18							1							56
Not separate for sexes ...							5																	5
Accommodation, without ...							1									1		1						3
Drains—																								
Defective ...							2		50	4	2						19					2		80
Choked ...	1	3					9		204	3	18	1	2	2			5		6		1			255
Inlet fitted with Defective Traps ...					1				25	1							2							29
Premises—																								
Interior in a dilapidated state ...		14					2	1	160	29	22		1				5		5					239
Exterior do. do. ...		1							29	13	4													47
In a general dilapidated state so as to be a nuisance ...										2														2
So overcrowded as to be a nuisance ...									7															7
In a damp, or dirty and insanitary state ...		16	6				56	40	233	37	33	11		1	1		8		22	1	3		1	473
Floors undrained or dilapidated ...						1			80	3	9			1			3						1	98
With insufficient or without ventilation ...																								
With insufficient or without light ...																								
Improperly used for an offensive trade ...																								
Bedding or Utensils in a dirty state ...		1	4				1		7															13
Improperly used for sleeping ...		1							1							2								4
Smoke Nuisance (chimney too low) ...							1		9		2													12
Without a water supply ...			1															1						2
Infested with rats ...									20															20
Roofs—																								
Defective ...	1	8					4		182	25	34						4					2		261
Guttering or downpipes defective ...	1								131	48	28						9		1					218
Downpipes connected directly into drain ...																								
Soilpipe—																								
Defective ...									4	16														20
Unventilated or improperly ventilated ...									1															1
Urinal—																								
So defective or foul as to be a nuisance ...		3																	4					7
Wastepipe—																								
Of bath, lavatory, or slop sink connected directly with drain ...							1		2								2							5
Of slop sink, bath, or lavatory defective ...							2		36		1						3							42
Of slop sink so foul as to be insanitary ...									3	8	1													12
Yard—																								
Dilapidated, dirty, and insanitary ...	1	1				1	7	2	96	12	5	3		2			8	1						139
Without paving or only part-paved ...		1																						1
TOTALS	7	62	11	1	3	8	139	50	1515	237	173	15	10	42	2	3	79	9	41	1	5	5	5	2423

*Includes 14 under Rent Restriction Act, 1920.

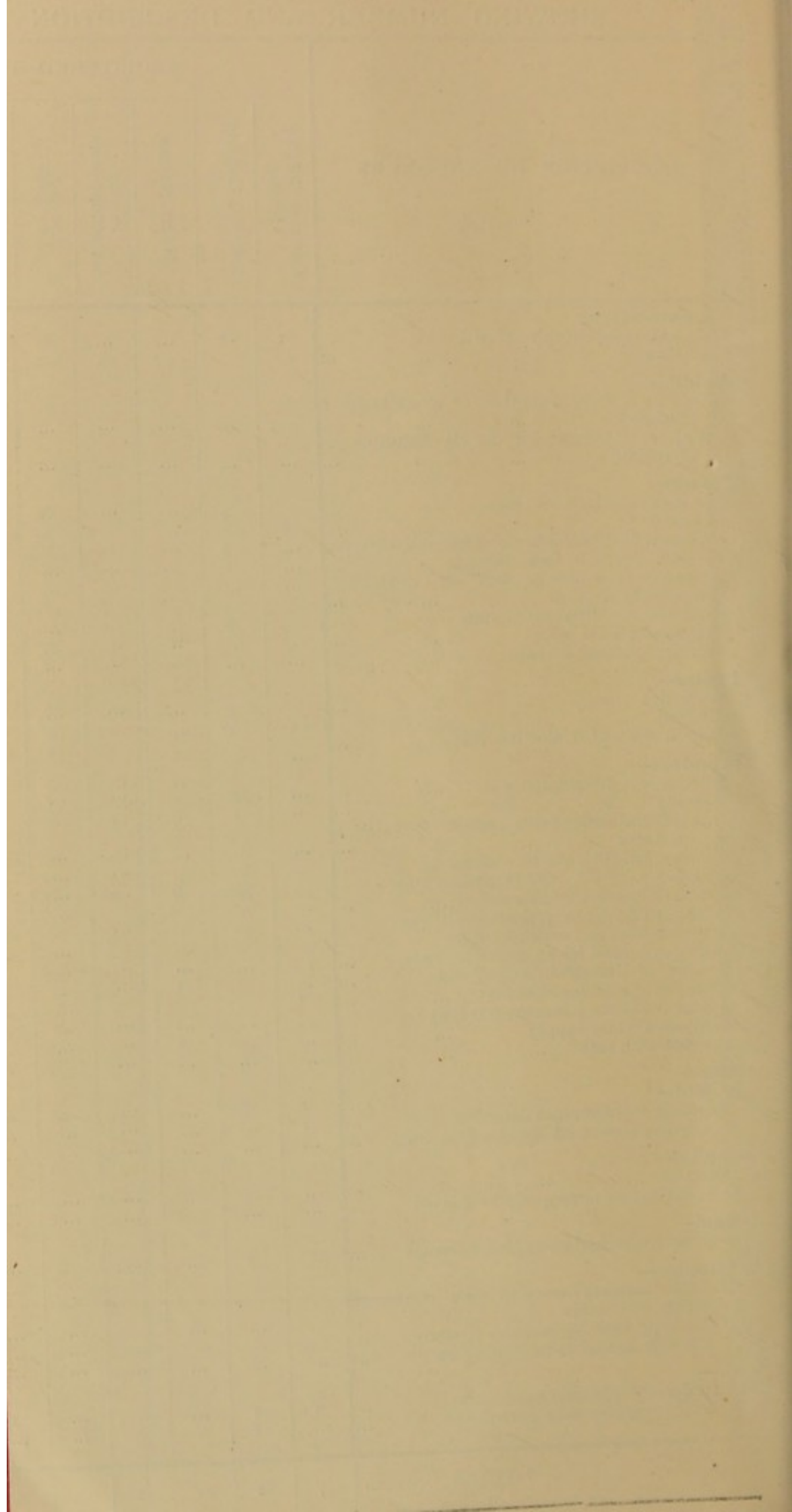


Table 33.

TABLE SHOWING NUMBER OF VISITS MADE, NUISANCES DISCOVERED, AND NOTICES SERVED DURING EACH WEEK OF THE YEAR 1920.

Month	Week.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances discovered for which Notices were served.	No. of Notices served.	Month.	Week.	No. of Inspections.	No. of Re-visits (for supervision of work).	No. of Nuisances discovered for which Notices were served.	No. of Notices served.
Jan.	1	431	306	50	24	July	27	417	176	21	12
	2	489	124	66	31		28	506	204	35	22
	3	504	183	45	23		29	604	281	55	26
	4	566	214	58	27		30	532	288	43	22
Feb.	5	558	296	219	40	Aug.	31	390	180	18	9
	6	576	274	53	24		32	460	179	23	13
	7	461	339	24	11		33	485	176	18	12
	8	562	264	33	18		34	566	333	44	20
Mar.	9	616	289	42	23	Sept.	35	566	286	51	27
	10	564	256	33	16		36	242	287	46	30
	11	676	246	42	21		37	597	248	31	15
	12	684	310	140	51		38	586	303	45	17
April	13	562	221	18	7	Oct.	39	422	273	23	16
	14	537	110	20	12		40	440	321	47	23
	15	673	219	28	20		41	483	317	40	21
	16	867	308	63	37		42	639	361	35	18
May	17	726	276	25	16	Nov.	43	606	308	70	21
	18	704	279	91	41		44	571	275	57	32
	19	571	252	56	33		45	503	304	25	12
	20	583	274	37	24		46	516	317	47	19
June	21	430	127	35	24	Dec.	47	513	284	40	24
	22	655	231	88	33		48	469	282	50	27
	23	793	249	82	39		49	498	323	32	12
	24	600	298	49	32		50	460	340	31	17
	25	268	243	15	11		51	366	226	22	10
	26	446	181	14	9		52	302	148	48	18
Totals						— 27841 13389 2423 1143					

