

[Report of the Medical Officer of Health for Croydon].

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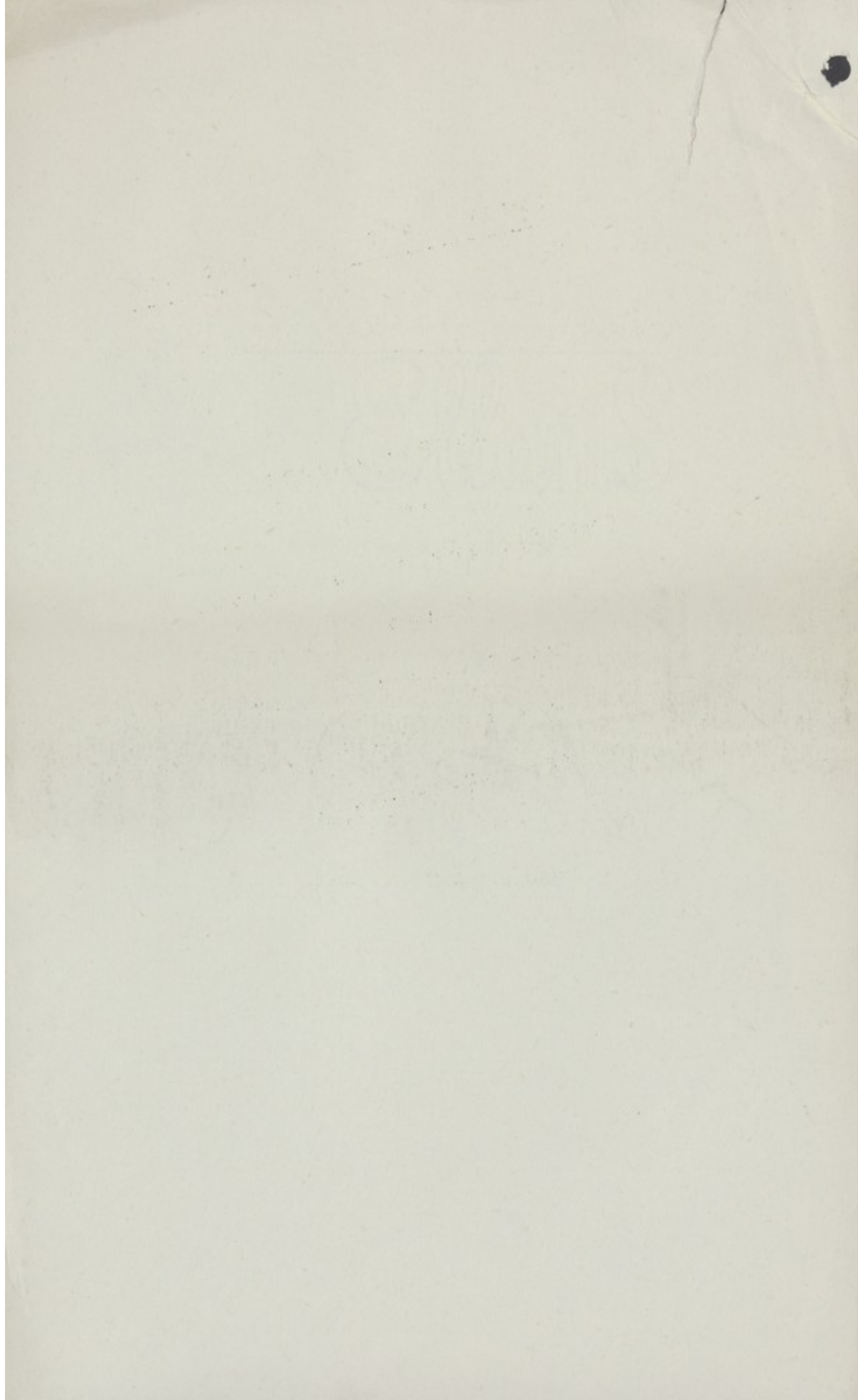
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COUNTY BOROUGH OF CROYDON

ANNUAL REPORT
OF THE
MEDICAL OFFICER OF HEALTH
AND
SCHOOL MEDICAL OFFICER
FOR THE YEAR 1939
OSCAR M. HOLDEN M.D., D.P.H.



PUBLIC HEALTH COMMITTEE

NOVEMBER, 1938-1939

THE WORSHIPFUL THE MAYOR (Alderman A.H. Harding J.P.)

Councillor G. Lewin (Chairman)

Councillor E.E.I. Arkell (Vice Chairman)

Alderman Mrs. B.J. Roberts.

Councillor L.A. Aston.

Councillor E.E. Constable.

Councillor A.V. Dammarell.

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Councillor A. Goodburn.

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Councillor H. Regan.

Councillor Mrs. M. Squire J.P.

Councillor D.G. Stewart.

Councillor J.T. Twitchett

Councillor G.H. Ward.



To the Chairman and Members of the Public Health Committee.

Ladies and Gentlemen,

I have the honour to present herewith my Twelfth Annual Report, being the fortieth of the series, dealing with work of the Public Health Department. There is also incorporated my report as School Medical Officer, to the Education Committee.

The report has been much curtailed because of the necessity to economise in paper. It was felt that some of the usual statistical data, although of interest, were not indispensable. For any who are particularly interested, the usual full statistical details, on the lines of my previous reports, are available, and will be filed so that continuity in recording will not be broken. The issue of the report has been delayed, firstly, because relevant data were not received from the Registrar-General until a much later date than usual, and, secondly, on account of the pressure of Air Raid Precaution matters.

The year 1939 was once again a healthy year, and although the statistics may not be absolutely accurate owing to the fluctuations of population from September to December, they are sufficiently so to show that 1939 was no less satisfactory than 1938. The outward trend of population tends to raise the calculated death rates and to lower the birth rates. The population was estimated at 243,900. The Birth rate was 14.0 per 1000 of the estimated population - an increase on 1938; the Death rate was 11.0 per 1,000 estimated population - an increase of 0.7 per 1,000; the maternal mortality was 1.16 per 1,000 total births - a low figure - and the infantile mortality was 38 per 1,000 live births, the lowest rate yet recorded.

In spite of the additional heavy burdens placed on the department by the demands of Civil Defence, the appropriate public health activities have continued with practically no vital curtailment. The good record of health for the year bears evidence that vigilance has not been allowed to relax because of abnormal circumstances.

In order to maintain continuity in the form of the report it has been divided into the usual sections, but commentations upon the statistical tables have been omitted. It is felt that the tables are sufficiently explicit to put the facts before readers. This results in substantial reduction in the bulk of the report without impairing its use as a record of the health of the town and work done by the responsible department.

No details have been given regarding the Casualty Services of the Civil Defence organisation as I feel this is not a public health service but an entirely separate division. The organisation of these services has, however, consumed much time and energy, covering as they do the building up of Stretcher Party and Ambulance Services; the establishment of First Aid Posts and the modification of Hospital arrangements under the Emergency Hospital Scheme. This could not have been done without the loyal and whole-hearted co-operation and help of the professional and all other members of the department and I wish to record my sincere thanks to them.

To you, ladies and gentlemen, I also express my thanks for the support and encouragement I have experienced throughout the year in all matters which I have brought before you, and for the active interest you have taken in the welfare of the department.

I am,

Yours faithfully,

Oscar M. Holden.
Medical Officer of Health.



STAFF OF THE HEALTH DEPARTMENT.

The staff of the Public Health Department on the 31st December, 1939, was as follows:-

Medical Staff.-

(a) Whole-time:-

Oscar M. Holden, M.D., D.P.H., Medical Officer of Health, School Medical Officer, and Medical Officer under the Mental Deficiency Acts, etc.
John T.R. Lewis, M.D., D.P.H., Deputy Medical Officer of Health (as from 1.1.1940) and Deputy School Medical Officer (as from 1.1.1940)
D.D. Payne, M.D., B.S., D.P.H., Deputy Medical Officer of Health, Deputy School Medical Officer and Medical Officer under the Mental Deficiency Acts (to 31.12.1939).
J.C.Mc.Millan, M.B., Ch.B., B.A.O., B.Sc., D.P.H., Assistant Medical Officer of Health for Tuberculosis.
Rufus C. Thomas, M.R.C.S., L.R.C.P., F.R.C.S. (Ed.), M.C.O.G., Assistant Medical Officer of Health for Obstetrics.
E.H. Harte, M.B., Ch.B., D.P.H., Assistant Medical Officer of Health and Assistant School Medical Officer.
Gordon M. Hobbin, M.B., Ch.B., Assistant Medical Officer of Health Air Raid Precautions (as from 27.8.1939)
Iris A. Jenkin-Lloyd, M.R.C.S., L.R.C.P., D.P.H., Assistant Medical Officer of Health and Assistant School Medical Officer.
Aileen I. McMahon, M.R.C.S., L.R.C.P., D.P.H., Assistant Medical Officer of Health and Assistant School Medical Officer.
Rosa Morrison, M.B., Ch.B., D.P.H., Assistant Medical Officer of Health and Assistant School Medical Officer.
J. Todesco, M.D., M.R.C.S., L.R.C.P., D.P.H., Resident Medical Superintendent, Borough (Fever) Hospital.
R.C. Poyser, M.R.C.S., L.R.C.P., Resident Medical Superintendent, Croydon Borough Sanatorium.

(b) Part-time:-

H.W. Southgate, M.B., B.S., B.Sc., Pathologist.
J.S. Bookless, B.A., M.B., F.R.C.S.-Ophthalmic Surgeon (School Medical Service).
Rota of 4 local medical practitioners for surgical treatment of tonsils and adenoids.

Mayday Hospital.-

Arnold Gilray, M.B., Ch.B. (N.Z.), Medical Superintendent.
John Joseph Walsh, M.D., F.R.C.S. (Eng.) Assistant Medical Superintendent.
John Ewart Edson, M.B., Ch.B., M.R.C.P., M.Sc., Assistant Medical Officer.
Arthur B. Higginson, M.B., Ch.B., Assistant Medical Officer of Health for Obstetrics.
Ralph Spencer M.B., Ch.B., B.Sc., Junior Resident Assistant Medical Officer.
Catherine F. O'Connor, M.R.C.S., L.R.C.P., Assistant Bacteriologist and Pathologist (Part-time)

Consultants to the Public Health Department.

Thomas Warwick Preston, M.D., M.R.C.P., Physician.
Ernest Marshall Cowell, D.S.O., M.D., F.R.C.S., Surgeon.
Alan Herapath Todd, M.S., F.R.C.S., Orthopaedic Surgeon.
John Smeed Bookless, B.A., M.B., F.R.C.S., Ophthalmic Surgeon.
Archer Ryland, F.R.C.S., Ear, Nose and Throat Surgeon.
H.W. Southgate, M.B., B.S., B.Sc., Pathologist.

Visiting Radiologist, Mayday Hospital.-

David Low Greig, M.R.C.S., L.R.C.P., D.M.R.E.

District Public Assistance Medical Officers.-

William Vaudrey Braddon, M.B., Ch.B., L.S.A.
Henry Fleming Hamilton, M.B., Ch.B., F.R.C.S.
Charles Aloysius McGuire, M.B., Ch.B.
Alan Pride M.D.
Austin Stafford, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.
Panel of Medical Practitioners appointed for Addiscombe, Central, East,
South Norwood, Woodside, Thornton Heath, Waddon and South Wards.

Public Vaccinators.

William Vaudrey Braddon, M.B., Ch.B., L.S.A.
Walter Hugh Montgomery Smith, M.R.C.S., L.R.C.P.
George Donal McGrath, M.B., B.Ch., B.A.O.
Thomas Dunlop Miller, M.D., B.S.
Gilbert Charrington Wallish, M.B., Ch.M., F.R.C.S.

Dental Staff.-

Senior Dental Surgeon: P.G. Oliver, L.D.S.
Assistant Dental Surgeons: J.K.R. Bryce, L.D.S., W.A. Sowden Hills L.D.S.,
Miss S.M.V. Hathorn, L.D.S., C.P. Urbani, L.D.S.
Dental Surgeon: Mayday Hospital: E.H. Laurence, L.D.S (part-time).

Inspectors.

R.J. Jackson, M.R.S.I., A.M.I.S.E., M.S.I.A., Chief Sanitary Inspector
G. Grieve, A.M.I.S.E., M.S.I.A., Acting Deputy Chief Inspector.
19 District Sanitary Inspectors.
In addition, there are 7 disinfectors, and 6 assistants to the Sanitary Inspectors.

Health Visiting Staff.-

A.M.D. Allford (Superintendent).
22 District Health Visitors; 2 Special Visitors; 1 Tuberculosis Nurse;
3 Almoners and 5 Dental Attendants.
Also 2 whole-time Masseuses and Remedial Gymnasts.

Municipal Midwives.-

Norah A. Rigby (Superintendent)
10 District Municipal Midwives

Clerical Staff.

B.W. Cummins (Chief Clerk).
35 full-time Clerks (including members on active service).

Water and Sewerage (Part-time).-

Peter R.A. Thrale, O.B.E., M.R.C.V.S.

Analyst (Part-time).-

Edward Hinks, B.Sc., F.I.C., F.C.S.

Vaccination Officer.-

Gerald H. Huggins, Cert R.S.I.

Mayday Hospital, Croydon Borough Hospital, Croydon Borough Sanatorium,
Coombe Cliff Convalescent Home and St. Mary's Hospital.

Nursing and Domestic Staffs.

Occupation Centre for Low Grade Mental Defectives.-

Miss K.M. Stupart (Supervisor).
3 Assistants and One Guide.

Pathological Laboratory.-

4 Laboratory Assistants.

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SUMMARY OF VITAL STATISTICS FOR 1939.

Area, 12,617 acres.

Population (Census 1931) 233,115. Population (estimated middle of 1939) (a) for Birth Rate 243,900 (b) For Death Rate 232,800

Number of Inhabited Houses (1931 Census) 56,429. Overcrowding Census (1936), 65,550.

Rateable Value (1st April 1938) £2413,034.

Product of a Penny Rate (1938-1939) £9,601.

Rate in the £. 11/4d.

Gross expenditure on Health Services (administered by Medical Officer of Health)	213,069	0	11
Income on Health Services (excluding transfers)	23,864	4	9
Net expenditure on Health Services	£189,204	16	2

Expressed as a Penny Rate, 19.71d. pence in the pound.

Live Births-	M.	F.	Total.
Legitimate	1,676	1,548	3,224
Illegitimate	90	90	180

Birth-rate per 1,000 of the estimated resident population, 14.0

Still Births 107. Rate per 1,000 total (live and still) births. 30.5

Birth rate per 1,000 (live and still births) 14.4

Deaths ²⁵⁵⁷ Death rate per 1,000 of the estimated resident population 11.0

Deaths from diseases and accidents of pregnancy and childbirth: From sepsis 1; other causes 3.

Maternal mortality: 0.16 per 1,000 total live and still births.

Death-rate of Infants under one year of age- (130 deaths, 3340 births)

All Infants per 1,000 live births	38
Legitimate Infants (119 deaths) per 1,000 live births ...	36
Illegitimate Infants (11 deaths) per 1,000 live births ...	62

Deaths from Influenza	48	Deaths from Diphtheria (all ages)	16
" " Measles (all ages) -		Typhoid or Paratyphoid Fever	2
" " Whooping Cough (all ages) 3		Pneumonia	151
Diarrhoea (under 2 years of age) 19		Cancer	414

Deaths from diseases of Cardiac and Circulatory System (including Cerebral Haemorrhage)	4.22
Deaths from diseases of the Respiratory System (including Tuberculosis)	1.29
Deaths from diseases of Renal System	0.27
Deaths from diseases of Digestive System	0.55
Deaths from Suicide and Accidents ...	0.45
Deaths from Old Age	0.40

Marriages

The number of marriages solemnised was 2,574 compared with 2,319 in 1938; 2,210 in 1937; 2,198 in 1936; 2,132 in 1935; 2,125 in 1934 and 2,244 in 1933. The marriage rate was 11.0 per 1,000 of the population; 1253 were solemnised in Established Churches, 407 in other places of worship; 1,008 in the Register Office and 6 performed under Jewish ritual.

Births

The births registered were 3,224 legitimate and 180 illegitimate. The birth rate consequently was 14.0. For England and Wales and in the Great Towns the rate was 15.0 and 14.8.

The illegitimate births in Croydon were 5.3 of the total compared with 4.9 in 1938, 4.6 in 1937, 5.5 in 1936, 4.4 in 1935 and 4.7 in 1934.

The live male births numbered 1,676, the female 1,548, being a proportion of 1,083 males to 1,000 females.

The subjoined table gives the vital statistics for the Wards in the Town. It is seen that the Wards with the highest birth rates were Addington (27.3), Thornton Heath (17.6) and Whitehorse Manor (17.0)

Those with the lowest were: Norbury (7.5) Upper Norwood (10.3) and East (11.0).

Deaths

The deaths numbered 2,557, compared with 2,486 in 1938. For 1939 the death rate was 11.0. For 1938 it was 10.3. The death rate for England and Wales was 12.1 and for the Great Towns 12.0. For London the death rate was 11.9. The male death rate was 11.4, the female 10.1 for the Borough.

There were 145 inquests held by Coroners in respect of Croydon residents during 1939 and 134 findings by Coroners after post mortem examination without inquest.

Wards with the highest death rates were: Central 14.7 and Bensham Manor (12.8); lowest in Addington (7.1) West Thornton (8.4) and Norbury (9.1).

Natural Increase-

The excess of births over deaths was 861 or 3.5 per 1000 of the population.

REGISTRAR GENERAL'S TABLE OF DEATHS ACCORDING TO CAUSE AGE AND SEX

		All Sex Ages 0- 1- 2- 3- 5- 15- 25- 35- 45- 55- 65- 75-											
All Causes	M	1239	73	7	12	17	30	47	55	132	214	324	317
	F	1329	58	4	6	22	27	36	63	88	197	301	527
Enteric Group	M	1	-	-	-	-	-	1	-	-	-	-	-
	F	1	-	-	-	-	-	-	1	-	-	-	-
Whooping Cough	M	2	-	-	1	1	-	-	-	-	-	-	-
	F	1	1	-	-	-	-	-	-	-	-	-	-
Diphtheria	M	6	-	-	4	2	-	-	-	-	-	-	-
	F	10	-	-	2	7	1	-	-	-	-	-	-
Influenza	M	22	-	-	-	-	1	-	3	6	3	3	7
	F	26	1	-	-	-	4	2	4	4	4	4	7
Cerebro Spinal Fever	M	2	1	-	-	1	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Tuberculosis (Respiratory)	M	57	-	-	-	-	9	10	14	15	7	2	-
	F	32	-	-	-	-	8	10	8	5	1	-	-
Other Tuberculous diseases	M	11	-	1	1	2	3	1	1	-	1	1	-
	F	7	-	-	-	2	-	2	1	1	-	-	1
Syphilis	M	4	-	-	-	-	-	-	-	-	3	1	-
	F	2	2	-	-	-	-	-	-	-	-	-	-
G.P.I. etc.	M	8	-	-	-	-	-	-	1	3	3	1	-
	F	-	-	-	-	-	-	-	-	-	-	-	-
Cancer	M	184	-	-	-	2	1	2	8	28	37	70	36
	F	235	-	-	-	-	-	3	11	38	60	56	67
Diabetes	M	16	-	-	-	-	1	-	1	-	6	5	3
	F	18	-	-	1	-	-	-	-	-	5	7	5
Cerebral Haemorrhage etc	M	33	-	-	-	-	-	-	2	3	5	8	15
	F	65	-	-	-	-	-	-	-	2	11	19	33
Heart Disease	M	370	-	-	-	1	1	6	5	32	88	114	123
	F	412	-	-	-	2	2	2	9	12	38	114	233
Aneurysm	M	7	-	-	-	-	-	2	-	-	2	1	2
	F	7	-	-	-	-	1	-	-	1	1	4	-
Other circulatory diseases	M	95	-	-	-	-	-	-	-	3	13	34	45
	F	91	-	-	-	-	-	-	1	4	13	22	51
Bronchitis	M	24	2	1	-	-	1	-	1	2	3	6	8
	F	23	-	-	-	-	-	-	1	-	2	3	17
Pneumonia (all forms)	M	75	12	2	3	-	3	2	1	10	9	20	13
	F	76	2	2	2	2	4	2	4	4	14	13	21
Other respiratory diseases	M	5	-	-	-	-	-	1	-	1	1	1	1
	F	8	-	-	-	-	1	1	-	-	2	1	3
Peptic ulcer	M	21	-	-	-	-	-	-	2	5	6	4	4
	F	8	-	-	-	-	-	-	2	-	1	2	3
Diarrhoea, etc	M	10	8	1	-	-	-	-	-	-	-	-	1
	F	12	9	1	-	-	-	1	-	1	-	-	-
Appendicitis	M	4	-	-	-	-	-	2	1	-	-	1	-
	F	11	-	-	-	1	2	-	3	-	2	3	-
Cirrhosis of liver	M	6	-	-	-	-	-	-	-	-	4	2	-
	F	6	-	-	-	-	-	-	1	1	2	1	1
Other diseases of liver etc.	M	2	-	-	-	-	-	-	-	-	1	1	-
	F	7	-	-	-	-	-	-	-	-	1	3	3
Other digestive diseases	M	18	1	-	-	-	1	2	1	4	2	5	2
	F	24	1	-	-	3	-	1	-	-	4	7	8
Nephritis	M	32	1	-	1	1	-	3	1	6	4	8	7
	F	31	-	-	-	1	1	1	5	1	8	8	6
Puerperal sepsis	F	2	-	-	-	-	-	2	-	-	-	-	-
Other puerperal causes	F	3	-	-	-	-	-	1	2	-	-	-	-
Cong. Debility, prem. birth etc.	M	40	40	-	-	-	-	-	-	-	-	-	-
	F	32	31	-	-	1	-	-	-	-	-	-	-

Registrar General's Table of Deaths according to Cause, Age and Sex (Cont)

		All												
		Sex	Ages	0-	1-	2-	5-	15-	25-	35-	45-	55-	65-	75-
Senility	M	19											4	15
	F	23											2	21
Suicide	M	13						1	4	1	3	2	1	1
	F	15						1	1	2	3	7	-	1
Other violence	M	35		1	1	2	3	7	4	5	4	4	2	6
	F	42	2	1	1	2	1	-	-	1	4	8	8	22
Other defined diseases	M	105	7	1	1	5	5	4	8	6	11	29	28	28
	F	97	3			1	5	5	10	10	17	24	22	22
Causes ill-defined or unknown	M													
	F													

Comparisons with 1938.

There was a fall in the deaths from the Zymotic diseases excluding Typhoid Fever and Diphtheria. In 1939 there were no deaths from Measles or Scarlet Fever, Whooping Cough caused 3 deaths and Diphtheria 16 deaths. The deaths from Pulmonary Tuberculosis decreased by 28 in 1939. The number of deaths attributed to Cancer totalled 419, compared with 387 in 1938. Deaths from Heart Disease increased by 5. Pneumonia deaths showed an increase of 21 and those due to Bronchitis a decrease of 2. Deaths from Digestive Diseases, including Appendicitis increased by 26. Deaths from Suicide and Violence decreased from 121 to 105.

The percentage of deaths under 1 year of age to the total deaths was 5.1%. Deaths under 15 years 10.0%; deaths under 65 years, 42.6%, deaths over 65 years 57.4. The corresponding figures for 1938 were 5.4%, 8.5%, 45.0% and 55.0%.

Classification of Deaths according to disease over
a period of six years.

Cause of Death	1934 Total Deaths	1935 Total Deaths	1936 Total Deaths	1937 Total Deaths	1938 Total Deaths	1939 Total Deaths	Death Rate
Enteric Fever	1	-	4	35	12	2	0.009
Malaria	-	-	-	-	-	-	-
Small Pox	-	-	-	-	-	-	-
Measles	14	-	21	5	8	-	-
Scarlet Fever	3	-	2	3	3	-	-
Whooping Cough	18	2	15	5	5	3	0.013
Diphtheria and Croup	24	12	8	15	16	16	0.067
Influenza (including Influenzal pneumonia)	28	35	39	71	21	48	0.206
Dysentery	-	-	-	-	1	1	0.004
Erysipelas	5	2	6	3	3	2	0.009
Cerebro -Spinal Fever	3	3	-	3	5	2	0.009
Pulmonary Tuberculosis	144	148	132	140	117	89	0.382
Tuberculous Meningitis	6	9	19	15	20	18	0.077
Other Tuberculous Disease	7	14	-	-	-	-	-
Cancer, Malignant Disease	371	321	428	432	387	419	1.800
Rheumatic Fever	6	9	6	11	6	2	0.009
Meningitis	9	14	4	4	5	3	0.013
Organic Heart Disease	591	780	749	770	777	782	3.359
Bronchitis, Acute and Chronic	93	45	44	50	49	47	0.202
Pneumonia	199	120	185	179	130	151	0.649
Other Diseases of the Respiratory Organs	24	29	23	12	25	13	0.056
Diarrhoea and Enteritis	18	29	31	45	29	23	0.099
Appendicitis	23	48	18	23	15	15	0.063
Cirrhosis of Liver	5	2	8	9	8	12	0.052
Alcoholism	5	2	-	1	1	-1	0.004
Nephritis & Bright's Disease	75	66	89	84	72	63	0.276
Febrile Fever	5	7	5	1	1	2	0.009
Other diseases & accidents of pregnancy & parturition	8	1	7	11	2	2	0.099
Congenital Debility and Malformation	33	-	-	-	-	-	-
Premature Birth	34	87	63	105	64	71	0.305
Violent deaths (excluding suicide)	91	85	85	102	78	77	0.331
Suicide	37	26	29	30	43	28	0.130
Other Defined Diseases	688	567	570	634	595	662	2.844
Diseases Ill-defined or Unknown	3	-	-	2	-	3	0.013
TOTAL	2,571	2,453	2,590	2,800	2,496	2,557	

1939 showed a slight increase both in the general death rate and in the birth rate, and a fall in the infant mortality rate to the lowest figure yet recorded.

Water.

The water supply is drawn from deep wells in the chalk. These wells are situated in Surrey Street, Stroud Green, Waddon, Selhurst and Addington. A portion of the northern side of the Borough obtains water supplies from the Metropolitan Water Board.

The amount of water consumed during the year was

Corporation's Wells	2,033,600,744
Metropolitan Water Board	
in bulk	675,273,000
	<hr/>
	2,708,873,744

The same arrangements regarding samples as were commenced in 1938 continued in 1939.

Laboratory, Ambulance, Nursing Facilities, Hospitals etc.

There have been no changes in the Laboratory, Ambulance and Nursing Facilities in the home since my 1938 report. Nor are there any changes to record in the Hospital beds available other than that at the outbreak of War, 500 beds were taken over at Mayday Hospital by the Emergency Hospital Service. This necessitated a considerable transference of patients elsewhere. Some 40 beds were also taken over at Cheam Sanatorium, the patients having to be discharged home; and 200 beds at the Croydon General Hospital.

All the Clinics have continued throughout the year, with the exception of the Tonsils and Adenoids Clinic previously held at the Croydon General Hospital. This ceased on the outbreak of War. The cases are now dealt with by admission to Mayday Hospital.

TABLE 1.

WARDS.	Estimated Population	Births	Deaths	Birth Rate	Death Rate	Deaths under 1 year per 1,000 births	Death Rate from six Zymotic Diseases (excluding Diarrhoea)	Death Rate from Diarrhoea	Death Rate from Bronchitis and Pneumonia	Death Rate from Pulmonary Tuberculosis.	Death Rate from Non-Pulmonary Tuberculosis	Death rate from Heart and Circulation Diseases.	Death rate from Nervous Diseases	Death Rate from Cancer	Estimated persons per acre.	Natural increase or decrease of population.
Upper Norwood	16,794	173	165	10.3	10.3	35	-	0.06	0.87	0.31	0.06	3.18	0.37	1.93	20	8
Norbury	16,173	122	140	7.5	9.1	25	-	0.10	0.65	0.58	-	2.79	0.84	1.23	29	18
West Thornton	19,612	232	158	11.8	8.4	52	0.05	0.10	0.74	0.37	0.05	2.70	0.53	1.27	42	74
Bensham Manor	16,797	233	205	13.9	12.8	39	0.17	0.29	1.06	0.50	-	3.86	0.56	1.68	50	36
Thornton Heath	18,058	318	197	17.6	11.4	38	0.17	0.06	1.21	0.40	0.06	3.23	0.40	1.73	51	121
South Norwood	17,565	243	207	13.8	12.3	37	0.06	0.13	2.26	0.30	0.06	3.39	0.50	2.20	29	36
Woodside	16,190	219	176	13.5	11.4	37	0.13	0.19	0.84	0.45	0.06	3.75	0.65	2.01	37	43
East	16,226	173	151	11.0	9.8	34	0.06	0.19	0.78	0.45	-	3.16	0.12	1.61	10	27
Addiscombe	16,368	242	180	14.8	11.5	33	0.13	0.19	1.28	0.32	0.06	3.46	0.45	2.30	49	62
Whitehorse Manor	16,866	286	200	17.0	12.4	63	0.19	0.25	1.55	0.80	0.06	3.16	0.43	1.55	63	86
Broad Green	17,242	241	182	14.0	11.0	25	0.06	0.06	1.21	0.67	-	3.21	0.73	1.94	69	59
Central	12,467	170	172	13.6	14.7	29	-	0.06	1.36	0.08	0.08	4.09	0.69	2.81	33	2
Waddon	18,248	184	164	15.6	9.4	39	0.11	0.06	1.14	0.34	0.18	2.63	0.46	1.14	22	120
South	15,261	189	180	12.4	12.4	27	0.07	0.07	1.24	0.14	-	4.34	0.34	2.20	13	9
Addington	10,033	274	66	27.3	7.1	36	-	0.22	0.43	0.32	0.11	1.94	0.22	1.18	1	208
The Borough	242,900	3,404	2,557	14.0	11.0	38	0.09	0.10	1.13	0.41	0.05	3.27	0.48	1.78	19	861

These are the corrected totals.

BACTERIOLOGICAL EXAMINATIONS.

I am indebted to the Borough Pathologist, Dr. H. T. Southgate, for the figures given in the appended tables:

At the Laboratory, Croydon General Hospital.

	For private practitioners		Mayday Hospital		For Borough Hospital		For Tub. Dispensary		For School Medical.		Other Instns of Corporation		Other Instns.		Total	
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.
Swabs for Diphtheria	160	1,334	2		13	5		6	82	3,645	1		47	477	305	5467
Virulence tests for Diphtheria			4		15					1			2	2	21	3
Sputum for Tub. Bac.	81	550					591	907					13	72	685	1559
Pus for Tub. Bac	1	6	1	4		1	-	1			1	36		2	3	50
Pus for Gonococci		10									1	63			1	73
Pus for other organisms		20		4		1		1	12			48		153	12	227
Blood for Typhoid Groups	1	18										25	1	2	2	45
Blood for Wassermann		3	29	147								5			29	155
Material for Spirochaetes																
Faeces for Typhoid Group		12				7						3				22
Hair for Ringworm									9	3	1				10	3
Examination of Urine	6		2				1				34		2			45
Examination of Pleural Fluid			1													1
Examination of C.S. Fluid			20		1											21
Other Examinations	13		168		6				140		76		5			453

Examinations done under National Health Insurance Act.

<u>Nature of examination</u>		<u>Nature of examination</u>	
Pus for Gonococci	21 (5 pos.)	Urine for Chemical Exam.	12
Pus for other organisms	19	Urine for Microscopical Exam	12
Pus for Tubercle B	14	Urine for Tubercle B	12
Blood for Wassermann	16 (1 pos.).	Urine for Cultural Exam.	12
Complete Blood Counts	11	Other Examinations	16

Bacteriological Examination of Milk.

Number of samples submitted for counts 467

Number under 10,000 per cc	215
Number over 10,000 but under 50,000 per cc.	156
Over 50,000 but under 100,000 per cc	36
Over 100,000 but under 500,000 per cc.	24
Over 500,000 but under 1,000,000 per cc	7
Over 1,000,000 per cc	29

Tubercle Bacilli-

Number of samples of milk submitted	465
Number found positive by inoculation test	14
The number of milk examinations decreased	13 for Bac. Count. 33 for T.B.

There are 39 samples still under investigation for Tubercle Bacilli,

Milk Samples.

467 milk samples were submitted to the Methylene Blue Test, of which 69 failed to satisfy. Of these 4 were further investigated and found satisfactory to the Bacillus Coli test.

VENERAL DISEASES

No changes have been made in the Scheme as given in my Report for 1930.

Attendances at the Croydon Clinic during past 10 years.

	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
New male patients	196	263	235	242	297	287	300	395	416	316 a
New female patients	171	205	241	214	232	213	188	184	257	191 a
Attendances, male patients	5050	4923	4691	4578	5858	5548	7525	8610	7318	4258 a
Attendances, female Patients	3029	3271	2724	2677	3962	5977	5226	5405	5365	3150 a

a Includes 157 new cases and 2417 total attendances by patients from outside areas.

Attendances of Croydon patients at various London Hospitals under the General Scheme.

There were 97 new patients, who made a total of 1959 attendances.

Pathological Examinations at London Hospitals for Croydon Patients.

886 Examinations were made for various Clinics and 3086 examinations of material submitted by medical practitioners.

Bacteriological Examinations carried out at London Hospitals for Croydon Patients.

Hospital	Detection of Spirochetes		Detection of Gonococci		Wassermann Re-action		Other Exams		Total
	For Clinic	For Prac.	For Clinic	For Prac.	For Clinic	For Prac.	For Clinic	For Prac.	
St. Thomas's	1		206		106		175		488
Great Ormond Street					5		4		9
South London Hospital for Women			69	8	10	2	7		96
Royal Free			2						2
King's College			7		30		6		43
Whitechapel Clinic, L.C.C.			27		13		19		59
Westminster Hospital			20		12	12	16	12	72
Guy's Hospital		3	48	1046	35	776	42	1227	3177
Seamen's			4				2		6
Salvation Army Mother's			16		3		1		20
TOTAL	1	3	399	1054	214	790	272	1239	3972

Croydon Cases attending London Hospitals.

Hospital	Cases seen for the first time		Con- ditions other than venereal.	Total No. of Attend- ances.	Aggre- gate No of In- Patient Days.
	Syphilis	Gonorr- hoea			
St. Thomas's	1	5	45	811	21
Guy's	1	8	14	428	
King's College	2	2	5	286	
Great Ormond Street				14	
Royal Free				33	
South London Hospital for Women		1	7	158	
Whitechapel Clinic (L.C.C.)			2	42	
Seamen's		1		9	
Westminster	1			161	
Salvation Army Mothers'			2	17	
TOTAL	5	17	75	1959	21

Return relating to all persons who were treated at the Treatment
Centre at Croydon during the Year ended the 31st December, 1939.

	Syphilis		Soft Chancre		Gonorrhoea		Non-venereal or undiagnosed conditions.		Totals		
	M	F	M	F	M	F	M	F	M	F	Totals
1. Number of cases on 1st January under treatment or observation	76	79			57	35	18	21	151	135	286
2. Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection.	2	6				4			2	10	12
3. Number of cases dealt with for the first time during 1939 (exclusive of cases under item 4) suffering from:-											
Syphilis, primary	3								3		3
" , secondary	1	2							1	2	3
" , latent in 1st year of infection	4	1							4	1	5
" , all later stages	23	11							23	11	34
" , Congenital	5	7							5	7	12
Soft Chancre											
Gonorrhoea, 1st year of infection					103	18			103	18	121
" , later					6	3			6	3	9
Non venereal conditions							171	149	171	149	320
Conditions remaining undiagnosed at 31st December.											
4. Number of cases dealt with for the first time during the year under report known to have received treatment for the same infection, or to have been under observation at other Centres	12	9			15	5			27	14	41
Total of items 1, 2, 3 and 4.	126	115			161	65	189	170	406	350	756

	Syphilis		Soft Chancre		Gonorrhoea		Non venereal or undiagnosed conditions		Totals		
	M	F	M	F	M	F	M	F	M	F	Total
5. Number of cases discharged after completion of treatment and final tests of cure or after diagnosis as non-venereal.	11	11			105	40	180	163	296	214	510
6. Number of cases which ceased to attend before completion of treatment and were, on first attendance, suffering from:-											
Syphilis, primary											
" , secondary	2	4							2	4	6
" , late in first year of infection		3								3	3
" all later stages	13	9							13	9	22
" Congenital	3	8							3	8	11
Soft Chancre											
Gonorrhoea 1st year of infection					18	4			18	4	22
" later						4				4	4
7. Number of cases which ceased to attend after completion of treatment but before final tests of cure.	6	4			22	10			28	14	42
8. Number of cases transferred to other Centres or to institutions, or to care of private practitioners.	16	9			8	4		1	24	14	38
9. Number of cases remaining under treatment or observation on 31st December	75	67			28	3	9	6	112	76	188
Totals of Items 5, 6, 7, 8 and 9	126	115			181	65	189	170	496	350	846

	Syphilis		Soft Chanere		Gonorrhoea		Non venereal or undiagnosed conditions		Totals	
	M	F	M	F	M	F	M	F	M	F Total
10. Number of attendances										
(a) for individual attention of the medical officer(s)	1592	1312			768	227	534	434	2894	1973 4867
(b) for intermediate treatment, e.g. irrigation dressing		3			1093	474	271	700	1364	1177 2541
TOTAL ATTENDANCES	1592	1315			1861	701	805	1134	4258	3150 7408
11 In Patients :-										
(a) Total number of persons admitted for treatment during the year	2	1				1			2	2 4
(b) Aggregate number of "in-patient" days of treatment given.	5	15				13			5	28 33
			Under 1 year	1 and under 5 years		5 and under 15 years		15 years and over		TOTALS
	M	F	M	F	M	F	M	F	M	F
12 Number of cases of congenital syphilis in item 3 above classified according to age periods.	1				2		2	7	5	7
13 Pathological Work :-										
			<u>Microscopical</u>							
			For Syphilis		For Gonorrhoea					
Number of specimens examined at, and by the Medical Officer of, the treatment Centre			3		8					

Statement showing the services rendered at the Treatment Centre
during the year, classified according to the areas in which the
patients resided.

Name of County or County Borough (or Country in the case of persons residing elsewhere than in England and Wales) to be inserted in these headings.	<u>Croydon</u>	<u>Surrey</u>	<u>Kent</u>	<u>London</u>	<u>Total</u>
A. Number of cases from each area included under the following headings in item 3:-					
Syphilis	34	18	4	1	57
Soft Chancre					
Gonorrhoea	82	33	10	5	130
Non-venereal and undiagnosed conditions	234	62	15	9	320
Total	350	113	29	15	507
B. Total number of attendances of all patients residing in each area.	4991	1874	336	207	7408

The Croydon Branch of the British Social Hygiene Council which receives a grant of £50 annually from the Borough Council towards its expenses carried out the following programme which had been adapted to war-time conditions:-

"A meeting was held in conjunction with the Women's Citizen's Association at the Methodist Hall, Norbury. The speaker was Mrs. M.C. Hume on the subject of "Sex Education".

A lecture was given to the Golden Circle of the Y.W.C.A. by Mrs. Basil Hood on October 9th, the subject being "Happy Marriage". A further lecture will be given in March.

Three lectures for young men, with a special invitation to recruits, were given at the Y.M.C.A., Horniman Hall, by Sir Drummond Shiels on "Sex and Happiness". These were illustrated by films.

A talk was given to the St. John's Ambulance Class at Eldon House on November 28th by Dr. Doris Mart. The subject was "Women in War Time".

Six lectures are being arranged early in 1940 for Stretcher Party Depots in the District.

Special free literature for War-time was distributed and selected publications sold

I am indebted to the Hon. Secretary, Mrs. M.L. Massey for the above report.

MAYDAY HOSPITAL

1.	Total number of admissions (including infants born in hospital)	6119
2.	Number of women confined in hospital	871
3.	Number of live births	837
4.	Number of still births	44
5.	Number of deaths among the newly born (i.e. under four weeks of age)	36
6.	Total number of deaths among children under one year (including those given under 5).	60
7.	Number of Maternal deaths among women admitted to hospital for confinement.	4
8.	Total number of deaths.	768
9.	Total number of discharges (including infants born in hospital)	5,534
10.	Duration of stay of patients included in 8 and 9 above.-	
	(a) Under four weeks	4,727
	(b) Four weeks and under thirteen weeks.	1,231
	(c) Thirteen weeks or more.	344
11.	Number of beds occupied (excluding cots in maternity wards).	
	(a) Average during the year.	442
	(b) Highest 553 on 4.4.39.	
	(c) Lowest 174 on 16.9.39.	
12.	Number of surgical operations under general anaesthetic (excluding dental operations)	1,110
13.	Number of abdominal sections.	429

Number of X-Ray Films Taken.

Spine.	169
Bones.	1,349
Pelvis.	45
Chest.	1,648
Barium Meals	283
Barium Enemata.	43
Renal.	204
Gall-Bladder.	105
Teeth	400
Abdominal.	36
Maternity cases.	647
Skull.	381
	<u>5,315</u>

Total number of cases X-Rayed 2,728.

DIAGNOSTIC

	<u>1938</u>	<u>1939</u>
Oesophagus with Barium	7	4
Barium Meals	115	78
Barium Enemata	25	16
Gall-Bladders (Plain)	19	9
Cholecystograms	17	23
Renal Tracts (Plain)	35	26
Pyelograms	32	27
Abdomen for F.B's etc.	20	21
Maternity cases	305	274
Hystero-graphies.	1	-
Lungs (Mayday Hospital)	429	420
(Sick Staff)	16	18
(Staff on appointment)	100	86
(T.B. Dispensary)	622	729
(Others)	16	2
Lungs after Lipiodol.	4	9

	1938	1939
Heart and Aorta	1	4
Skulls	113	107
Accessory Nasal Sinuses	22	20
Vertebral Column	94	65
Ribs	25	32
Pelvis	42	26
Long Bones	362	229
Short Bones	50	55
Joints	150	232
Teeth and Jaws	172	153
	<u>2,794</u>	<u>2,666</u>
Examinations by portable set.	<u>171</u>	<u>130</u>

THERAPY DEPARTMENT.

X-Ray.

<u>Condition for which treatment was given.</u>	<u>No. of patients.</u>	<u>No. of applica- tions.</u>	<u>Cured.</u>	<u>Re- lieved.</u>	<u>Died.</u>	<u>Trans- ferred to other hosps.</u>	<u>Still under treat- ment.</u>
Carcinoma of Breast	2	30			1		1
" " Parotid	1	12			1		
" " Larynx	1	12					1
" " Lung	1	10			1		
" " Uterus	3	39			1		2
" " Oesophagus	1	24			1		
Sterilisation for:-							
Menorrhagia	3	32		1	1		2
Heart Disease	4	33	1	2			1
Renal Disease	1	16	1				
Eclampsia	-						
Numerous Pregnancies	2	24		2			
Partial Sterilisation	2	3					2
Uterine Fibroids	3	46		1	1		1
Sarcoma of Kidney	-						
" " Hip	-						
" " Acetabulum	1	8		1			
Kraurosis Vulvae	1	12				1	
Arthritis of Knee	1	18		1			
Warts	2	34	2				
Epithelioma of Jaw	1	6			1		
Rodent Ulcer	1	38		1			
	<u>31.</u>	<u>405.</u>	<u>4</u>	<u>3</u>	<u>7</u>	<u>1</u>	<u>10</u>
Corresponding Totals for 1938	<u>30</u>	<u>478</u>	<u>6</u>	<u>4</u>	<u>8</u>	<u>2</u>	<u>10</u>

Number of Post Mortems Ordered by the Coroner and performed at Mayday Hospital during the Year:

Outside Cases: 226.
Hospital Cases: 145.

Number of Post Mortems not ordered by the Coroner: 121.

Classification of In-patients who were discharged from or who died in
the Institution during the year ended 31st December, 1939.

	Children under 16 years of age		Men and Women.	
	Discharged	Died	Discharged	Died
A. Acute infectious disease	42	-	6	-
B. Influenza	1	-	26	2
C. Tuberculosis: Pulmonary	2	1	87	39
Non-Pulmonary	5	5	18	4
D. Malignant Disease		1	88	130
E. Rheumatism (1) Acute rheumatism (rheumatic fever) together with sub-acute rheumatism and chorea.	19	1	20	-
(2) Non-articular manifestations of so-called rheumatism (muscular rheumatism, fibrositis, lumbago and sciatica).	-	-	1	-
(3) Chronic arthritis	4		38	3
F. Venereal Disease	-	2	11	1
G. Puerperal pyrexia (including cases classified)	-	-	2	-
Puerperal fever (a) Women confined in hospital	-	-	-	-
(b) Other cases	-	-	-	-
H. Other diseases and accidents connected with pregnancy and childbirth.	-	-	479	6
I. Mental diseases (a) Senile Dementia	-	-	14	1
(b) Other	18	-	208	-
J. Senile decay	-	-	77	31
K. Accidental injury and violence	93	-	307	17
<u>In respect of cases not included above.</u>				
L. Diseases of the Nervous System and Sense Organs.	17	4	174	78
M. Disease of the Respiratory System.	120	13	251	100
N. " " " Circulatory System.	9	6	151	193
O. " " " Digestive System	150	15	519	43
P. " " " Genito-Urinary System	18	-	226	30
Q. " " " Skin	69	-	84	6
R. Other diseases	288	5	162	1
S. Mothers and infants discharged from Maternity Wards and not included in the above figures				
Mothers	-	-	862	-
Infants	808	-	-	-
T. Any person not falling under any of the above headings	31	30	29	-
TOTALS	1694	83	3840	685

Specimens examined in the Pathological Laboratory
during the Year.

	<u>Positive.</u>	<u>Negative.</u>
Swabs for Diphtheria	27	832
Sputa for Tuberculosis	365	500
Urine for Tuberculosis	10	7
Urine for Typhoid	9	49
Faeces for Typhoid	-	46
Faeces for Tuberculosis	1	8
Pus for Tuberculosis	6	5
Faeces for Enteric and Dysentery Infections	20	51
Blood for Widal's	6	7
Blood Cultures	2	13
Pus for Gonococci	5	129
Hairs for Ringworm	25	31
Faeces for Occult Blood	113	125
Urine for Routine Examination		947
Pus for Organisms		59
Blood Urea Estimations		170
Blood Sugar Estimations		75
Urea Clearance Tests		95
Urea Concentration Tests		257
Cerebro Spinal Fluids		83
Fractional Test Meals		25
Faecal Fat Estimations		4
Pleural Fluids		49
Glucose Tolerance Tests		2
Serum Calcium Estimations		3
Vaccines		1
Van Den Bergh Re-actions		13
Blood Counts.		304
Haemoglobin Estimations		294
Blood Groupings		128
Blood Compatibility Tests		22
Blood Sedimentation Rates		22
Blood Coagulation and Bleeding Time		2
Blood Fragility Tests		3
Other examinations - unclassified		21
		<u>2,579.</u>
Number of Specimens sent to Croydon General Hospital.		<u>322</u>

	<u>Medical</u>				<u>Surgical</u>				
<u>Diagnoses.</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>unrel- ieved</u>	<u>Died.</u>	<u>Total</u>
<u>Alimentary.</u>									
Appendicitis.					195	19	1	4	219
Gastric Ulcer	8	32	2	4	8	2		2	58
Duodenal Ulcer	6	20	2	4	5			1	38
Dyspepsia	12	2							14
Cholelithiasis		2							2
Intestinal Obstruction		1			3	1		8	13
Colitis	1	3	1	2	3	2			9
Hernia		2	1	1	60	10	1		75
Ischio-rectal Abscess					4				4
Constipation	27	10							37
Haemorrhoids					6	1			7
Cholecystitis	6	14	2		7	6			35
Gastro enteritis	34	3		11					48
Gastritis	5	7							12
Alveolar abscess					8	3			11
Cirrhosis of liver.							1		1
Intestinal Colic	2	3							5
Intussusception	1				1	1			3
Prolapse Rectum			1						1
Fistula in Ano					1				1
Swallowed F.B.	3								3
Diarrhoea	3		1						4
Peptic Ulcer		4							4
Appendicular colic		1							1
Peritonitis								6	6
Adhesions						3			3
Stomatitis	12								12
Peritonsillar abscess	2				2				4
Appendicular abscess		1			3	5			9
Peri-anal abscess					1	1			2
Gastroptosis		1							1
Pancreatitis				1					1
Hirschsprung's disease						1			1
Pyloric Stenosis	2				1				3
Pelvic Abscess	1		1		1				3
Anorexia	1								1
Abdominal Tumour					1				1
Anal Fissure					1				1
Abdominal Allergy		1							1
Spastic sphincter	1								1
Abdominal Abscess					1				1
Prolapsed Anus		1							1
Intestinal atresia	1	3	1						5
Post Operative Hemorrhage	1								1
Melaena	1								1
Cholangitis		1		1					2
Diverticulitis				1		3		2	5

671.

<u>Bones, Joints and Muscles,</u>	<u>Medical</u>				<u>Surgical</u>				<u>Total</u>
	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	
Arthritis	4	15	7	1	1				28
Fibrositis		1							1
Rheumatism	10	20	1						31
Bursitis	2				6	2			10
Sacro-iliac strain					1	1	1		3
Pleurodynia	1								1
Lumbago	2	2							4
Synovitis	1					1			2
Osteo-myelitis					3	8		2	13
Periostitis	1								1
Osteo-arthritis		8	2						10
Coxitis		1							1
Myositis		1							1
Schmorl's disease					1				1
Tragelitis Ossium	1								1
Perthes' Disease		1							1
									109

<u>Carcinoma</u>									
Breast						4	7	11	22
Stomach						5	4	28	37
Rectum					1	4	5	12	22
Cervix Uteri						7	12	10	29
Ovary						2	1	4	7
Prostate						3	4	3	10
Tongue and Mouth							4	3	7
Glands								2	2
Anus						1	1		2
Larynx						1	1	4	6
Oesophagus							1	4	5
Cheek							1		1
Colon					2	1	1	14	16
Gall bladder						1		1	2
Lung						1	1	7	9
Bronchus							1	7	8
Liver							1	4	5
Pancreas								2	2
Caecum						1	1	1	3
Pinna								1	1
Maxillary Antrum								3	3
Epithelioma of nose etc						1		1	2
Rodent ulcer							1	2	3
Scrotum								1	1
Intestine							1	1	2
Carcinomatosis						1	1	1	3
Kidney								1	1
Jaw								1	1
Penis							1		1
Vulva							1		1
Sarcoma of Skull								1	1
" " Humerus							1		1
" " Fibroid uterus								1	1
" " Brain								1	1

Blood and Blood Vessels,

Anaemia	2	4	2	2					10
Pernicious Anaemia	2	4		1					7
Epistaxis	5	1							6
Phlebitis	4	4			1				9
Varicose Veins					11	3			14
Leukemia				1					1
Aneurysm		1							1
Gangrene	1	3	1						5

	<u>Medical.</u>				<u>Surgical</u>				
	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Total</u>
<u>Circulatory (Heart)</u>									
Myocardial									
Degeneration.		24	10	141					175
Arterio Sclerosis		8	8	13					29
Extrasystoles	1								1
Endocarditis.		1		3					4
Thrombosis		2		2					4
Myocarditis				2					2
Auricular Fibrillation		5		2					7
Mitral Stenosis		10	1	1					12
Valvular disease				1					1
Congenital Heart dis. 1		2							3
Mitral Regurgitation				1					1
Coronary atheroma		1		2					3
Congestive heart failure		10	1	6					17
Angina Pectoris				1					1
Aortic Regurgitation		4		1					5
Tachycardia		1							1
Pericarditis		1							1
Heart Failure				3					3
Carditis		1		2					3
Collapse	6	1							7
Hypertension	2	17	3						22
Coronary Thrombosis				3					3
									305

Constitutional.

Diabetes Mellitus	1	11		2					14
Debility	3	7	1						11
Nutritional Disorder	3	2							5
Marasmus	18	3	1	3					25
Malnutrition	6	3							9
Rickets	2	2							4
Obesity		2	1						3
Acidosis	1								1
									72

Eye

Conjunctivitis	4	2							6
Keratitis		1							1
Phlyctens	1								1
Dacryocystitis	1								1
									9

Ear, Nose and Throat.

Enlarged Tonsils &									
Adenoids	22	3	3		195	1			224
Quinsy	2				1				3
Otitis Media					50	12	1		63
Otorrhoea					3	1			4
Rhinorrhoea		1							1
Mastoiditis	1				2	1			4
Catarrh.	2	2							4
Pharyngitis	1								1
Nasal Obstruction			1		2	1			4
Laryngitis	2	2							4
Rhinitis	1		1						2
Sinusitis	1	1				1			3

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<u>Diagnoses.</u>	<u>Medical</u>				<u>Surgical</u>				<u>Total</u>
	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	
<u>Glands.</u>									
Adenitis					13	2			15
Hodgkin's Disease				2					2
Parotitis					1				1
Myxoedema		1							1
Gland in Groin	1								1
									20.
<u>Genito Urinary</u>									
Nephritis	9	6	3	5					23
Pyelitis	20	4							24
Urethral Stricture	3	5							8
Enlarged Prostate	1	4	1	1	8	13		3	31
Pyelo-nephritis				4		1		3	8
Perinephric abscess					1				1
Hydrocele of Cord					1				1
Cystitis	2				4	3	2		11
Uraemia				9				1	10
Renal Colic	1	3	1						5
Urinary Calculus			1						1
Pyo-nephrosis				1					1
Varicocele					2				2
Epididymo-orchitis	2								2
Circumcision			2		7				9
Haematuria	1	3	2						6
Congenital Polycystic Kidneys				1					1
Mobile Kidney			1						1
Dysuria		1							1
Perinephritis	1								1
									147
<u>Gynaecological.</u>									
Abortion					145	34	2	2	183
Ovarian Cyst					8			1	9
Fibrosis Uteri					26	2	2		30
Uterine Haemorrhage						1			1
Mastitis					9	5			14
Menorrhagia					1	6	3		10
Metrorrhagia					3	1			4
Bartholin's Abscess					1	1			2
Bartholin's Cyst					2	1			3
Dysmenorrhoea					1	3			4
Erosion of Cervix					3	10			13
Deficient Pelvic Floor					16		2		18
Sabinvolution					6	3			9
Salpingitis					7	6			13
Retroversion					10	3	1		14
Uteric Prolapse					2	3			5
For Sterilization					6	6	2		14
Retained Products					33	1	1		5
Investigation of Sterility						1			1
Hypertension						1			1
Cervical Polypi					6				6
Cervicitis					3	12	1		16
Urethral Caruncle					2				2
Cystocele					1				1
Recto-vaginal Fistula					1				1
Prolapse of Vaginal Wall					1		1		2
For Paracentesis						4	2		6
Contracted Pelvis						2			2
Cyst of Labia						1			1

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Diagnoses.	Medical				Surgical				Total
	Cured	Rel- ieved	Unrel- ieved	Died	Cured	Rel- ieved	Unrel- ieved	Died	
<u>Gynaecological (Continued)</u>									
Termination of Pregnancy						2			2
Cyst on external os.							1		1
Haematocolpos					1				1
Infantile Uterus						2			2
Ruptured R. Tubal Pregnancy.					1				1
									397
<u>Infectious.</u>									
Influenza	26	1	1	2					30
Puerperal Pyrexia	2								2
Sonne Dysentery			4						4
Diphtheria			2						2
Cerebro Spinal Fever			2						2
Chicken-Pox	1		4						5
Erysipelas	1		1						2
Whooping Cough			7						7
Scarlet Fever			3						3
Typhoid Fever			2						2
Paratyphoid Fever			1						1
Polio-Myelitis		3	1						4
Flexner Dysentery		1							1
Septicaemia	1			2					3
Undulant Fever	1								1
Cellulitis	1			2	11				14
									83
<u>Maternity</u>									
Deliveries					862			4	866
Live Births					806			30	836
Delivered before admission					2				2
For Version					5	4	5		14
Pyelitis of Pregnancy					1	6			7
Albuminuria of Pregnancy					4	12	1		17
False Labour Pains							3		3
Ante Partum Haemorrhage						4			4
Ectopic Gestation					5				5
H.B.P. of Pregnancy					2	21	1		24
Vomiting of Pregnancy					11	8	1		20
Toxaemia of Pregnancy					4	18	2		24
Ante Natal Observation					5	31	21		57
Ante Natal Rest						8	3		11
Anaemia of Pregnancy						10			10
Hydramnios						1			1
									1901.
<u>Mental</u>									
Uncertified	8	47	41						96
Certified			53						53
Loss of Memory	1	1							2
Epilepsy	3	23	9						35
M.D.		2	13						15
Mongolism		1							1
G.P.I		3	3						6
Hysteria	4	15							19
Senile dementia		4	10	1					15
Imbecile			1						1
									243

DiagnosesMedicalSurgical

	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Cured</u>	<u>Rel- ieved</u>	<u>Unrel- ieved</u>	<u>Died</u>	<u>Total</u>
<u>Nervous and Sensory</u>									
Cerebral Haemorrhage		10	4	51					65
Meningitis	3	1		2					6
Chorea	5	1							6
Spina Bifida			1	1					2
Habit Vomiting		1	1						2
Neuraesthesia		5	2						7
Cerebral thrombosis	2	20	5	20					47
Sciatica	1	4							5
Neurosis		15	3						18
Disseminated Sclerosis		2	3	3					8
Cerebral Tumour			1	1					2
Hemiplegia		9	4	2					15
Neuritis	1	5							6
Tabes Dorsalis			3						3
Convulsions	6	3		2					11
Parkinson's Disease		3	7	1					11
Cerebral arterio Sclerosis		25	17	4					46
Cerebellar tumour			1						1
Migraine		1							1
Paraplegia			1						1
Congenital Athetosis			1						1
Cyclix Vomiting	1								1
Headache after									1
Cerebral operation	1								2
Cephalgia	1	1							1
Muscular Atrophy			1						1
Cerebral Diplegia			1						1
Subarachnoid haemorrhage		1							2
									272.

Respiratory.

Bronchitis	99	46		6					151
Pneumonia	139	14	1	112					266
Pleural Effusion		1							1
Bronchial Catarrh	1								1
Bronchiectasis		2	1	1					4
Atelectasis				2					2
Asthma	5	17	4						26
Pleurisy	14	8							22
Empyema					4	1	2		7
Pulmonary Embolism				5					5
Influenzal Pneumonia	12	1		5					18
Silicosis		1							1
Pulmonary Fibrosis			1						1
Pulmonary Abscess	1		1						2
Tumour of Pleura			1						1
Tracheitis	1								1
									509

SenilitySkin

Boils, Abscesses, etc.,		36	30	31					97
Burns and scalds					35	11	1		47
Eczema	4	7			12	3		1	16
Impetigo	15								15
Scabies	7								7
Dermatitis	10	8							18
Septic spots	1				2				3
Ringworm	18								18
Erythema Nodosum	1	2							3
Lipoma			1						1
Ulceration	3	1	1		9	5	1		20
Pruritis		1							1
Herpès	2			- 26 -					2

Diagnoses	Medical				Surgical				Total
	Cured	Relieved	Unrelieved	Died	Cured	Relieved	Unrelieved	Died	
<u>Skin (Cont)</u>									
Haematoma					1				1
Pomphigus			1	1					2
Urticaria	1								2
									<u>166.</u>
Pulmonary Tuberculosis		38	51	40					129
<u>Non-Pulmonary Tuberculosis</u>									
Spine						3		2	5
Meninges								4	4
Pericardium						1			1
Hip						5	1		6
Kidney						1	2		3
Fallopian tubes						1			1
Miliary								2	2
Knee					1	1			2
Colon							1		1
Epididymo-Orchitis						1			1
Vesiculitis						1			1
Keratitis						1			1
Wrist						2			2
Larynx								1	1
Lupus Vulgaris						1			<u>1</u>
									32
<u>Violence.</u>									
Fractured Limbs					44	92	4	3	143
Fractured Spine					3	2		1	6
Fractured Malleolus					2	7			9
Fractured Skull					7	5		2	14
Fractured Ribs					9	7			16
Fractured Clavicle					4	1			5
Minor Injuries					26	10	1		37
Sprains					2	1			3
Contusions and Abrasions					27	9	1		37
Abdominal Injury							1		1
Concussion					59	21			80
Dislocation					2	2			4
Laceration, wounds etc.,					17	6	1		24
For removal of plaster					15	7	2		24
Fractured Jaw					1				1
Gun Shot Wound						1			<u>1</u>
									405.
<u>Venereal</u>									
Gonorrhoea	3	3	1						7
Syphilis		4		3					<u>7</u>
<u>Miscellaneous.</u>									
Poisoning					23	3		1	27
Alcoholism					6	4	1		11
Dental Caries					4	2			6
N.A.D. (With Mother etc.)					27		41		68
Pyrexia of Unknown Origin					2	1			3
Hare lip and cleft Palate							1		1
Heat Stroke					1				1
Teething						2			2
Prematurity					3			6	9
Insulin Hypoglycaemia					1				1
Ulcerated Perineum.					1				<u>1</u>

Operations performed at Mayday Hospital during 1939

Abdominal.

Appendicectomy	182
Suture of Perforated Duodenal Ulcer	8
Paul's Operation for Carcinoma Coli	1
Sigmoidoscopy	11
Herniotomy	63
Cholecystectomy	7
Laparotomy	29
Drainage of Common Bile duct.	1
Gastroectomy	5
Colostomy	2
For Intestinal Obstruction	5
For Perforated Gastric Ulcer	10
For Anal Fistula	2
Ligature of Haemorrhoids	6
Resection of Colon	2
Volvulus of small intestine	1
Ovariectomy	5
Hysterectomy	1
Adhesions	1
Anastomosis of Bowel	1
For ruptured Tubal Pregnancy.	1
	<hr/>
	344

Bones and Joints.

For Osteo-myelitis	2
Amputation of limbs	6
Wiring of bones	23
Resection of Rib	15
Application of Plaster	68
Removal of Sequestra	1
Reduction of Joints	2
Manipulation of Limbs	12
Excision of Patella	1
Elevation of fractured nasal bones	1
Reduction of fracture	19
For walking iron	7
Aspiration of knee	4
Exploration of hip	2
Suppurative Arthritis Knee Joint	1
	<hr/>
	164

Ear, Nose and Throat.

Mastoidectomy	5
Tonsillectomy	200
For Nasal Polypi	4
Adenoidectomy	4
Tracheotomy	1
	<hr/>
	214

Genito-Urinary.

Cystoscopy	25
Circumcision	6
For Hydrocele	1
Prostatectomy	16
Cystostomy	23
For Extravasation of Urine	1
Epididymectomy	1
Reduction of Prolapsed Rectum	1
Varicocele	3
Supra Pubic puncture	2
	<hr/>
	79

Gynaecological.

Examination under Anaesthetic	54
Total Hysterectomy	10
Sub-total Hysterectomy	20
Salpingo-oophorectomy	1
Dilation and Curetage	92
Salpingectomy	4
Incision of Breast Abscess	3
Excision of Bartholin's Cyst	1
Insertion of Ring Pessary	2
Colpo-perineorrhaphy	16
Cauterization of Cervix	22
Amputation of Cervix	4
Baldy Webster Operation	8
Myomectomy	1
Removal of Cervical Polypi	5
For Imperforate Anys	1
Ant. Colporrhaphy	2
Modified Gilliams Operation	1
Biopsy	1
Fothergill's Operation	1
Colpotomy	2
For Sterilization	1
Insertion of Laminaria Tents	3
For Uterine Lavage	1
Trachelorrhaphy	2
Repair of Recto-vaginal Fistula	1
Removal of Urethral Caruncle	1
Hymenectomy	1

261

Obstetrical.

Hysterotomy	16
Caesarean Section	41
Evacuation of Uterus and Glycerin Pack	125
Induction of Labour	2
For retained products	1
Cervical Swab and Smear	5
Rupture of Membranes	4
Repair of torn perineum	1
Repair of 3rd degree tear	1

Miscellaneous.

	196
Exploration of swelling under chin	1
Aspiration of right breast	1
Removal Sebaceous Cyst of R. pinna	1
Excision of glands	4
Blood transfusion	29
Incisions (Abscesses etc)	119
Cleansing of Scalds and Burns	2
Amputation of breast	3
Suture of wounds	20
Thiersch Skin Graft	5
Excision of Wounds	3
Removal of foreign body	3
Iridectomy	1
Lumbar Puncture	71
Aspiration of chest	117
Paracentesis	42
Pyelogram	6
Exploration of chest	1
Venesection	28
Suture of Tendon	

Excision of Varicose Veins	3
Empyema	1
Aspiration of abscess	9
Injections to leg	21
Extraction of tooth	2
Excision Epithelioma Face	1
Air Refill of right chest	2
	<hr/>
	498
	<hr/>

Number of patients who had teeth extracted - 256.

Total number of patients discharged from Mayday Hospital
Year ended 31st December, 1939.

Cured	3,656
Relieved	1,330
Unrelieved	548
Died	768
	<hr/>
	6,302.
	<hr/>

BOROUGH HOSPITAL.

Table A gives a Summary of the cases treated at the Hospital during 1939. 787 patients were admitted and discharged which, together with the patients in at the commencement of 1939 (26) gives a total of 813 cases dealt with. 27 died giving a case mortality for the Hospital of 3.3% as against 24.5% in 1938.

During 1939 a total of 65 cases was admitted from Penge and these are included in the Table. The hospital is a recognised training school for nurses. During the year 3 probationers passed the preliminary examination and 3 the final examination.

One of the wards (F.Ward) was equipped as a First Aid Post. Two air raid shelters were built in the grounds, and other precautions included the sand-bagging of the wards and administrative blocks, the provision of tanks filled with water at various points in the Hospital grounds and fire fighting appliances.

During the year 9 cases were operated for tonsils and adenoids and 5 for acute mastoiditis. 3 cases had uterine drainage performed and 1 case had blood transfusion performed.

TABLE A.

Patients remaining in hospital 1.1.1940.			Patients admitted and discharged in 1939.			Patients admitted in 1939 and remaining in Hospital 1.1.40.			Analyses of cases whether admitted or discharged in the year.				
Total	Recovered	Died	Total	Recovered	Died	Total	Recovered	Died	Total	Recovered	Died	Case mortality	Average No. days in.
Scarlet Fever	50	50	370	270		9	9		279	279			36.7
Diphtheria	53	53	315	298	17	11	11		326	309	17	8.3	38.2
Enteric Fever			2	1	1				2	1	1	50.0	37.1
Para typhoid fever	1	1	2	1	1				2	1	1	50.0	33.0
Puerperal Fever			11	9	2				11	9	2	18.2	25.2
Puerperal pyrexia			10	10					10	10			15.6
Erysipelas	2	2	15	13	2	1	1		16	14	2	12.5	11.7
Measles			1	1					1	1			18.
Rubella			22	22					22	22			14.4
C.S.M.			3	2	1				3	2	1	3.3	7.3
Whooping Cough			29	27	2				29	27	2	6.9	36.0
Chicken pox	4	4	47	46	1	4	4		51	50	1	1.9	20
Ophthalmia	2	2	2	2					2	2			8.1
Mumps	1	1	7	7					7	7			14.5
Tonsillitis	1	1	8	8					8	8			30.8
Anterior poliomyelitis	1	1	4	4					4	4			56.5
Dysentery			5	5		1	1		6	6			23.2
Pemphigus			1	1					1	1			51.
Otorrhoea			1	1					1	1			9.
Cellulitis of leg			1	1					1	1			9
Tuberculosis			9	9					9	9			36.
Vincent's angina			1	1					1	1			1.4
Diarrhoea			1	1					1	1			3.
No disease			20	20					20	20			
TOTALS	115	115	787	760	27	26	26		813	786	27		

The average number of days of each patient in Hospital for all classes of patients was 24.5 days compared with 22.6 days in 1938.

Scarlet Fever.

The total number of Scarlet Fever cases admitted during the year was 270 a decrease of 354 on 1938. 230 cases were admitted from the Borough and 40 from Penge. 6 cases sent in as Scarlet Fever were not suffering from the disease, leaving a total of 264 true cases.

	Serum Cases	Non- Serum cases.	Total
Total cases	42	222	264
Adenitis	5	26	31
Otorrhoea	3	25	28
Phiorrhoea	3	12	15
Albuminuria..	-	1	1
Nephritis	-	2	2
Rheumatism	-	4	4
Relapses	1	3	4
Secondary Sore Throat	-	3	3
Abscesses and Boils	-	3	3
Mastoid	-	3	3
Pneumonia	-	1	1

No deaths occurred amongst the scarlet fever cases.

Diphtheria.

315 cases were admitted with a diagnosis of Diphtheria, a decrease of 91 cases on 1938. Of these 15 were found not to be cases of Diphtheria and 110 were cases of positive swabs without clinical symptoms, leaving 190 cases of true clinical diphtheria. There were 17 deaths a mortality of 8.9%.

The 15 cases not true diphtheria were made up as follows:-

Simple laryngitis	2
Quinsy	1
Vincent's angina	2
Tonsillitis	10
Total	15

Analyses of 190 cases

Faucial diphtheria	169
Nasal diphtheria	16
Laryngeal diphtheria	1
Faucial laryngeal diphtheria	2
Faucial nasal diphtheria	2
Total	190

The following complications and sequelae occurred amongst the diphtheria cases:-

Rhinorrhoea	6
Otorrhoea	5
Adenitis	6
Heart failure	15
Albuminuria	3
Secondary sore throat	3
Acute mastoid	2

Paralyses:

Palatal	15
Eyes	4
Facial	2
Diaphragm	1

The type of diphtheria cases admitted during the first four months of the year was very severe and marked with greater toxemia and this accounts for the high death rate of 8.9% compared with 6% for 1938, as also the fact that there were only 190 cases admitted in 1939 as opposed to 267 in 1938.

Most of the fatal cases were admitted late, usually on the day of disease and only 5 of these cases had received serum previous to admission, the dose given not exceeding 8000 units.

The number of admissions after September was very small - only 32 cases for the period September to January 1940, these including cases of positive swabs.

The iron lung was used in one of the fatal cases, with great success, but unfortunately the child died subsequently through sudden heart failure.

TYPHOID AND PARA TYPHOID FEVER.

During the year 4 cases of typhoid fever or para typhoid fever were admitted and in all cases the diagnosis was confirmed. Two deaths occurred amongst the four cases, one being a case of toxic typhoid fever; the other a case of para typhoid fever complicated by pneumonia.

PUERPERAL FEVER

During the year 11 cases of puerperal fever and 10 cases of puerperal pyrexia were admitted. Two deaths occurred amongst the puerperal fever cases both due to septicaemia.

Of the cases of Puerperal Fever 5 were complicated by other diseases, as follows:-

2 were complicated by thrombo phlebitis of leg.
1 was " " Pelvic thrombo phlebitis and bilateral salpingitis
1 " " infective endocarditis
1 " " influenza.

ERYSIPELAS

There were 15 cases of Erysipelas admitted, 16 less than in 1938. In 4 cases the diagnoses were not confirmed, they were as follows:-

1 case of cellulitis of face.
1 case of cellulitis of axilla.
1 case of cellulitis of leg.

Excluding these cases were 11 cases of true Erysipelas. The disease was of average severity. Two deaths occurred amongst them, one being complicated by cerebral haemorrhage, the other by chronic myocarditis.

WHOOPING COUGH

There were 29 cases of whooping cough, a fall of 18 cases on 1938. The disease was of average severity. There were two deaths both complicated by broncho pneumonia.

CEREBRO SPINAL MENINGITIS

Three cases of this disease were admitted, but only one had the diagnosis confirmed, this proved fatal. In one other case left under observation the diagnosis was not confirmed, the other being a case of cerebral abscess.

OPHTHALMIA NEONATORUM

Two cases were admitted, but they were both cases of simple Ophthalmia

INFANTILE PARALYSIS (POLIOMYELITIS)

Four cases were admitted. In two cases the diagnosis was confirmed, the others were (1) a case of abscess of right hip joint (2) a case of acute rheumatism.

DYSENTERY

Five cases were admitted, four of the Sonne type and one of Flexner type, they were all mild cases.

PEMPHIGUS

One case admitted as Pemphigus was really a case of chronic eczema.

MUMPS

Seven cases were admitted as mumps, one of them was a case of alveolar abscess.

MEASLES

One case only was admitted: this proved to be one of positive nasal swab.

CHICKEN POX

Forty seven cases were admitted and one death occurred amongst them, the child suffering from severe convulsions.

TUBERCULOSIS.

After the outbreak of war 9 cases of Pulmonary Tuberculosis were admitted temporarily and subsequently transferred to other institutions, 6 males and three females.

Out of Borough Cases.

Disease	Males	Females	Totals	Deaths.
Scarlet Fever	21	19	40	
Diphtheria	4	16	20	3
Puerperal Pyrexia	-	2	2	1
No disease	2	1	3	4

Croydon Bor. Hospital Laboratory. Diphtheria.

Cases swabbed on admission.	Patients Swabbed during convalescence	Negatives.	Total.
Positive.	Positive		
209	580	4716	5505

Faeces. Enteric and Dysentery Groups.

B. Typhosus	B. Para Typhosus.	Dysentery.	Negatives	Total Examined.
Positive	B. Positive	Positive Flexner	Total	
2	2	1	17	22

Widals, Dreyers, Agglutination Tests.

B. Typhosus	B Para Typhosus	Total	Total Examined.
Positive	B Positive	Negative	
1	2	3	6

Sputum examined for Tuberculosis Bacilli.

Positive	Negative	Total
3	4	13

Swabs examined for Haemolytic Streptococci

Positive	Negative	Total
10	3	13

Miscellaneous examinations.

Urines for Organisms 13 1 Haemolytic Streptococci 3 B. Coli
 Blood for Culture 9 Specs 8 Sterile. 1 Haemolytic Streptococci
 Spec. Pus for organisms 4 1 B. Typhosus 2 B. Coli 1 Haemolytic Streptococci
 Spec. Hair for Ringworm (negative).
 Lochia swabs for culture 5. 2 Haemolytic Streptococci 1 Staphylococci 2 Sterile
 Cerebro Spinal Fluids 4 1 Meningococci present 3 Sterile.
 1 Swab for Vincents Angina (Positive) 1 Eye Swab for Organisms (Sterile)
 5 Vaginal Swabs for presence Gonococci (Negative)

AGE GROUP, OF CASES ADMITTED

	0-1		1-2		3-5		5-15		15-30		30 and over		Totals	Deaths.
	M	F	M	F	M	F	M	F	M	F	M	F		
Scarlet Fever	1	-	5	6	42	38	52	84	6	25	5	6	270	17
Diphtheria	2	1	4	1	42	26	61	99	16	22	5	16	515	1
Etiotic Fever													2	1
Era typhoid						1				2	1	2	2	1
Paratyphoid										9			11	1
Paratyphoid										10			10	2
Pyrexia										1			15	2
Trystipelas													1	
Measles														
Rubella	1				4	1	4	6		4			22	1
C.S.M.	2						1						3	2
Whooping Cough	4	1	2	6	6	6	3	6	1				29	1
Chick en pox	4	1	7	1	13	9	6						47	
Optic almia	1												2	
Mumps													7	
Tonsillitis							4		1				8	
Anterior Poliomyelitis			1		2	3	1	1					4	
Dysentery Sonne					2								5	
Pemphigus					1								1	
Otorrhoea													1	
Cellulitis of leg													1	
Tuberculosis													9	
Vincents Angina													1	
Dysphagia							1						1	
No disease													20	
	15	4	19	14	112	91	153	196	26	80	26	30	787	27

THE OBSTETRIC SERVICE

The Obstetric Service has been described in my report for 1938. The following are the statistics for 1939.

Since August, 1939 there has been a whole time resident for the Obstetric and Gynaecological Departments in Mayday Hospital. There is also a whole time resident in St. Mary's Hospital.

Taking the Registrar General's figures for maternal mortality (deaths directly due to pregnancy) the rate for England and Wales for 1939 is 2.93 per 1,000 births. In Croydon the rate was 1.16. In Booked cases treated by the Obstetric Service the rate for 1939 was 0.7 per 1,000 Hospital deliveries; nil per 1,000 home deliveries and 0.4 per 1,000 over all deliveries.

Of the cases treated to a conclusion at the Post Natal Clinic during 1939, 97.4 per cent were classified as "Health Unimpaired". This signifies that anatomically and functionally their condition was the same as before their pregnancies. The corresponding figure for 1938 was 87.5%.

The number of cases delivered of viable babies in Mayday Hospital with a nominal 48 beds, was 871. The number delivered at St. Mary's Maternity Hospital, with 30 beds, was 451.

GENERAL STATISTICS, 1939.

No. of live births allocated to the Borough of Croydon	3404
" " still " " " " " " " "	407
No of maternal deaths (directly due to pregnancy)	4
No. of cases notified as Puerperal Pyrexia	39
No of Expectant Mothers who attended the Borough Ante Natal Clinics	3334
No. of cases delivered in Mayday Hospital as Booked cases	822
No. of cases delivered in Mayday Hospital as emergency cases	214
Total cases delivered in Mayday Hosp.	1036
No. of cases delivered in St. Mary's Maternity Hospital as booked cases	451
No. of cases delivered in St. Mary's Maternity Hospital as Emergency cases	-
Total cases delivered in St. Mary's Maternity Hospital	451.
No. of cases delivered by Municipal Midwives	994
TOTAL	2481
No. of cases admitted to the Puerperal Infection Unit, Borough Hospital and Mayday Hospital Isolation Wards, including 13 from Mayday Hosp. and 8 from St. Mary's Maternity Hospital.	41
No. of Maternal deaths in Booked cases from Borough Ante Natal Clinics	1
No. of Maternal deaths in Emergency cases at Mayday Hospital	2
No. of maternal deaths in cases admitted as Puerperal Sepsis per se	2
Total Maternal deaths in beds of the Obstetric Service	5

The total number of patients treated by the Obstetric service was:-

(a) in Mayday Hospital	1487
(b) In St. Mary's Maternity Hospital	451
(c) In the Borough Hospital Puerperal Infection Unit and Mayday Hospital Isolation Wards, excluding 13 from (a) and 8 from (b)	20
(d) At the Ante Natal Clinics and delivered outside the above Hospitals (about) (including Municipal Midwives cases)	1221
(e) At the Post Natal Clinics, excluding those included in (a), (b), (c), and (d).	406
(f) At the Ante Natal Clinics and undelivered on December 31st, 1939.	528
TOTAL	4113

ANTE NATAL SUPERVISION.

	1938	1939
Number of sessions at Ante Natal Clinics held	283	460
Number of individuals who attended	2,667	3334
Number of previous year's cases continuing attendance	686	583
Number of new cases	1,981	2719
Number of cases undelivered on 31st December	583	528
Total attendances made	12,992	16850
Average attendances per session	46	36
Number of cases delivered in hospital as Booked cases	1,319	1265
Number of cases delivered by Municipal Midwives	886	994
Number of cases delivered at other places under the care of private doctors or midwives (about)	100	200
Number of patients found not to be pregnant	20	24
Number of patients referred to hospital for Ante Natal treatment	682	602

The conditions for which these were admitted can be ascertained by reference to the 'Booked' columns of the Numerical summary of Cases. 6 ante-natal clinics per week are now held at Lodge Road for cases booked for Hospital delivery and 2 clinics per week for home delivery. A post-natal clinic for cases delivered at home has also been instituted. During 1939 the Obstetric Service dealt with 2272 out of the total births allocated to the Borough.

Major Ante-Natal Conditions Treated at the Ante-Natal Clinic.

Breech Presentation.

Breech presentation diagnosed	267
Spontaneous version	24
External version successful	197
External version not successful	22
Allowed to go to term as Breech	15
Not recognised as Breech before Labour.	9

Dental Treatment.

No. of cases referred to Borough Dental Surgeons	536
No. of cases referred to Private Dental Surgeons	85
No. of cases refusing dental treatment	52
No. of cases seen too late for necessary dental treatment	43

Tuberculosis

Referred from Tuberculosis Officer because of pregnancy.	9
Referred to Tuberculosis Officer for opinion on lung condition	5

Venereal Disease.

Gonorrhoea - Total cases	2
Transferred to Borough V.D. Clinic	2
Syphilis - Total cases	3
Transferred to Borough V.D. Clinic	3

These cases are delivered in Mayday Hospital in Isolation Wards, and transferred to the Borough V.D. Clinic on discharge.

Midwives Cases.

These cases may be summarised as follows:-

Total number of midwives cases during 1939 (about)	227
Number of cases sent for one consultation only	90
Number of cases supervised entirely	137

Special Investigations

Special investigations were carried out on ante-natal patients attending the Clinics and on patients in St. Mary's Maternity Hospital and Mayday Hospital Maternity Wards.

Pathological Investigations

Blood for Wassermann	92
Blood for Kahn Reaction	72
Blood for Gonococcus Fixation Test	36
Blood for Grouping	95
Blood for Culture	3
Blood for Urea Content	87
Blood for Widal's	1
Blood for Cell Count etc.	75
Catheter urine for Routine Examination	582
Urine for Aschheim-Zondek Test	54
Urine for Urea Concentration Test	330
Lochia for Culture	13
Sputum for examination	10
Pus for identification of Organism	25
Urethral smears for Gonococci, etc.	24
Cervical smears for Gonococci, etc.	28
Conjunctival smears	45
Histological sections	46
Van den Burgh	9
Throat Swabs for Organisms	56
Faeces for Occult Blood etc.	6
Blood for sugar estimation	2
Blood for Hb Estimation	186
Compatibility tests	2
Others	10

X-Ray Examinations (Mayday Hospital X-Ray Department)

215 cases were referred from Ante-natal Clinics and 472 films were used. Reasons for reference were:-

Breech for attitude etc.	23
For presentation, attitude etc.	78
Twins	54
Foetal death	3
" parts	17
Disproportion	41
Others	2

59 cases were referred from the Maternity and Gynaecological Wards at Mayday and St. Mary's Hospitals and 148 films were used. Reasons for reference were:-

For presentation	20
Twins	11
For foetal parts	4
Foetal death	2
Hydramnios	3
Breech? Extended legs	10
Disproportion	7
Hydrocephalus	1
Anencephaly	3

IN - PATIENT TREATMENT.

A.- Patients "Booked" in the Ante-Natal Department:-

	Mayday Hospital.	St. Mary's Maternity Hospital.	Total
(1) Delivered in hospital after 28th week.	811	447	1258
(2) Delivered in hospital before 28th week	7	0	7
(3) Admitted after delivery	4	4	8
(4) Discharged undelivered after ante-natal treatment and not subsequently delivered in hospital	0	0	0
(5) Died undelivered.	0	0	0
(6) Ectopic Pregnancy.	0	0	0
	<u>822</u>	<u>451</u>	<u>1,273</u>

B. - "Emergency" patients sent into Hospital with some complications by outside doctors or midwives. No "Emergency" cases were admitted into St. Mary's Maternity Hospital.

Mayday Hospital

(1) Before Labour.

(a) Discharged undelivered	-
(b) Delivered in hospital after 28th week.	60
(c) Delivered in hospital before 28th week.	139
(d) Died undelivered	1

(2) After Delivery	9
(3) Ectopic Pregnancy	5

Total. 214

MUNICIPAL MIDWIVES.

Cases Booked	1158	Maternal deaths	nil
" Attended (including 7 twins) ...	998	Medical aid sought.	278
Maternity Cases	116	Ante-natal visits by midwives ...	5660
Live Births	989	" " clinic attendances ...	3614
Still births (7 macerated).	16	Post-natal " "	347

Further details will be included in the Annual Report of the Obstetrical Service which is prepared as a separate report.

A Numerical Summary of cases admitted for treatment,
delivered in Hospital, or admitted after delivery.

Some cases appear in more than one category in
the Summary.

	Mayday Hospital Booked.	Mayday Hospital Emergency.	St. Mary's Maternity Hospital Booked.	Total.
<u>1. Conditions chiefly Ante-Natal.</u>				
Albuminuria	125	17	54	196
Eclampsia	-	4	1	5
Persistent vomiting of pregnancy	13	-	-	13
Chronic cervitis	3	-	-	3
Acute pyelitis	8	2	4	14
Malnutrition, debility, simple anaemia, etc.	34	-	6	40
Breech presentation for version	32	-	10	42
Disproportion	61	5	19	85
Retroverted gravid uterus	-	2	-	2
<u>2. Intercurrent Diseases</u>				
Chronic nephritis	2	1	2	5
Pulmonary Tuberculosis	11	-	-	11
Venereal disease	5	-	-	5
Cardiac disease	13	5	1	19
Exophthalmic goitre	1	-	-	1
<u>3. Conditions chiefly Natal.</u>				
Presentations at Delivery-				
Anterior positions of the vertex	723	46	397	1166
Posterior positions of the vertex	36	1	39	76
Breech	43	8	17	68
Shoulder	3	2	1	6
Face and Brow	1	1	1	3
Caesarean section	33	7	7	47
Twins	14	-	6	20
Accidental haemorrhage	8	4	1	13
Placenta praevia	16	7	1	24
Hydramnios	18	-	2	20
Prolapse of cord	5	1	1	7
Retained placenta	7	-	4	11
Post-Partum haemorrhage	15	-	10	25
B.B.A.	4	9	4	17
Lacerated perineum	182	25	150	357
Obstructed labour	3	2	1	6
Premature labour	82	3	35	120
Abortion	31	139	-	170
Ectopic pregnancy	-	5	-	5
Abdominal Hysterotomy	-	16	-	16

	Mayday Hospital Booked.	Mayday Hospital Emergency	St. Mary's Maternity Hospital Booked.	Total
4. <u>Conditions</u> <u>chiefly Post-</u> <u>Natal excluding</u> <u>re-admissions from</u> <u>Post-Natal Clinic.</u>				
Retroversion	48	6	40	94
Delayed involution	8	1	5	14
Breast abscess	1	-	3	4
Notified pyrexia or fever	11	2	8	21

In addition 20 cases of Puerperal Fever per se were admitted to the Puerperal Infection Unit of the Borough Hospital.

Blood Transfusion. (11 obstetrical and 14 gynaecological cases)

The citrate method was employed and all except one donor were supplied by the blood transfusion service of the British Red Cross Society.

One Borough Hospital Obstetrical case and one gynaecological case died.

Infants.

	Mayday Hospital Booked.	Mayday Hospital Emergency	St. Mary's Maternity Hospital Booked.	Total	Per cent.
No. of infants in Hospital on 1st January 1939.	21	-	20	49	
Total No. of live births, still births and infants ad- mitted with mother (B.B.A.)	829	69	457	1355	
No. of infants in Hospital on 31st December 1939	39	-	22	61	
Living-alive on discharge from Hospital	774	50	435	1259	92.9
Stillborn	35	11	13	59	4.4
Died (born alive, but died in Hospital).	20	8	9	37	2.7

Infant Feeding and Weight on Discharge from Hospital.

In both hospitals normal infants were breast-fed every four hours omitting the early morning feed.

Of 824 infants discharged from Mayday Hospital, 654 were up to or over birth weight (79 per cent)

Of 435 infants discharged from St. Mary's Maternity Hospital, 260 were up to or over birth weight (60 per cent).

Twins and Triplets.

There were 20 cases of Twins and none of Triplets. There was no maternal death.

	Mayday Hospital Booked	Mayday Hospital Emergency	St. Mary's Maternity Hospital Booked.	Total.
No. of cases	14	-	6	20
No of Infants discharged alive	25	-	11	36
No of stillbirths and infant deaths	3	-	1	4
Foetal and infant mortality.	10.7%	-	8.3%	10%

POST NATAL AND GYNAECOLOGICAL CLINIC.

In 1939 81% of the "Booked" cases delivered in the Hospitals attended the Post-Natal Clinic six weeks after their confinements. This is 4% more than in 1938.

Number of Sessions held	101
No. of individuals presented	1507
No. of subsequent attendances.	1153
Total attendances	2609
Average attendance per session	26
No. of Post-Natal cases	1015
No. of Gynaecological cases	492

END RESULTS.

915 cases were treated to their termination (other than death) during the year, and the results were classed as follows:-

	Mayday	St. Mary's	Else- where	TOTAL	%
Health Unimpaired	506	371	15	892	97.4
Health slightly impaired.	8	4	4	16	1.7
Health seriously impaired	4	1	2	7	0.9

Totals, treated to conclusion	518	376	21	915
----------------------------------	-----	-----	----	-----

Maternal Mortality (Obstetric Service)

Five deaths occurred of Mothers dealt with by the service. Of these, however, only two were Croydon cases, one a Booked case, the other an emergency case.

The maternal mortality of "Booked" cases, i.e. cases under the continued supervision of the service, is 0.7 per 1,000 Hospital deliveries, and 0.4 per 1,000 total deliveries including the Municipal Midwives booked cases. This is the same as for 1938, which was the lowest rate on record.

One Emergency case from another Borough died in Mayday Hospital, a case of Eclampsia. Two cases of Puerperal Sepsis per se, which died in the Borough Hospital, were also admitted from other Boroughs, and only came under the Service after the onset of sepsis.

SOURCES OF THE CASES

From Mayday Hospital-	<u>Cases</u>	<u>Deaths</u>
"Booked" Cases	11	-
"Emergency" Cases	2	-
From St. Mary's Maternity Hospital	8	-
From other Hospitals	-	-
From private doctors, deliveries) in Nursing Homes)	20	2 ¹
From private doctors, deliveries) at home.)		

37 cases followed Labour with 2 deaths ¹

4 cases followed abortion, with no deaths

- ¹ Both these deaths were cases admitted from outside Boroughs, and therefore do not enter into the Croydon Borough mortality rate.

The 41 cases treated may be classified as follows:-

(1) Patients with infection of the genital tract	29	2	6.9%
(a) Infection limited to uterus, vagina and perineum	16	-	-
(b) Infection involving pelvic cellular tissues, ovaries, Fallopian tubes, pelvic peritoneum or veins.	8	-	-
(c) Infection of the birth canal spread beyond the pelvis (general peritonitis septicaemia, etc)	5	2	40%
(2) Patients with infective conditions not originating in the genital tract	12	-	-

The Assistant Medical Officer of Health for Obstetrics was called in by medical practitioners to see 66 obstetrical and 86 gynaecological patients who could not afford to pay a private consultant.

In addition, he was asked by the Medical Superintendent of Mayday Hospital to give an opinion on the obstetric and gynaecological aspects of 25 cases in the medical and surgical wards of the hospital.

POOR LAW RELIEF

(a) Domiciliary Relief.

Number of Croydon cases resident in the Borough and in receipt of outdoor relief on the -

1st January, 1939	...	4695 persons;	2360 cases.
1st July, 1939	...	4502 "	2325 "
1st January, 1940	...	4194 "	2421 "

Expenditure on Outrelief during the 12 months ended 30th September, 1939 to Croydon cases resident in the Borough.

Half-year ended 31st March, 1939	...	£50914.5.5d.
Half-year ended 30th September, 1939..		£47903.9.6d.

(b) Institutional Relief.

Number of Croydon poor persons relieved in the Mayday Hospital on 1st January, 1940 and in the Queen's Road Homes on the same date -

Mayday Hospital	39
Queen's Road Homes	505

(c) Medical Relief.

During the year the Panel Medical Service Scheme was extended to two other medical relief districts of the Borough and medical relief is now administered by this method in 6 out of 8 medical relief districts of the Borough.

Particulars.	No.2 Dist. Year to 31/3/1940	No.3 Dist. Year to 31/3/1940	No.4 Dist. 8 months to 31/3/1940	No.5 Dist. Year to 31/3/1940	No.6 Dist. Year to 31/3/1940	No.7 Dist. 9 months to 31/3/1940
1. Average number of separate patients attended during each quarter.	218	214	225	197	356	44
2. Attendances at patients' homes.	966	893	662	593	1346	161
3. Attendances on patients at the surgery.	1012	810	578	592	1109	168
4. Total number of prescriptions written..	3644	3913	2270	2599	4163	532
5. Estimated cost of drugs, dressings and dispensing.	£293.6.0d.	£100.4.0d.	£53.7.0d.	£66.14.0d.	£103.10.0.	£12.6.0d.
6. Estimated amount of per capita payment to doctors in respect of patients actually attended.	2/9.7d.	3/2.5d.	2/9.2d.	2/6.4d.	2/6.3d.	2/3.4d.
7. Estimated average payment per service point.	1.15d.	1.45d.	1.59d.	1.63d.	1.51d.	.85d.

MENTAL DEFICIENCY

Number of known Mentally Defective Persons in the Borough-

1. Statutory Cases-

Aged 0 - 5 years	...	...	...	5
Aged 5 - 16 years	...	...	...	120
Over 16 years	...	...	...	574

Total ..699

2. Education Cases-

Aged 7 - 16 years	186
-------------------	-----	-----	-----	-----

Combined total ..885

Compared with 1938, the Statutory cases show a decrease of 8 and the Education cases an increase of 2.

Five of the cases under Statutory supervision have died. Four died in an Institution and one under guardianship.

The Statutory cases are distributed as follows:-

In Certified Institutions	...	...	...	169
In Places of Safety and Approved Homes	...	...	...	4
On leave from Institutions	...	...	...	2
Under Statutory Supervision at Home...	...	...	...	400
Under Guardianship	...	...	...	65
In Mental Hospitals	...	...	...	10
Cases under Public Assistance	...	...	...	14
Observation Cases	...	...	...	35

The Education cases were distributed as follows:-

In Certified Residential Schools	15
In Certified Day Schools	132
At Private Schools	3
At Council Schools (awaiting vacancies at St. Christopher's)	30
Released for work	6

During the year the Certifying Medical Officers made examinations and paid visits to the number of 88 to Statutory cases and 95 to Education cases - a total of 183, a decrease of 228 compared with 1938. The Mental Deficiency Visitors paid 2,200 visits to Statutory cases and 1,800 Education cases; 4,000 visits in all, a decrease of 96 on 1938 figures.

During the year 23 names have been added to the Statutory List - all of these being notified from the Local Education Authority. 20 names have been removed from the list. 6 cases chargeable to other Local Authorities are under supervision in the Borough.

NOTIFIED CASES.

Of the 23 cases notified by the Local Education Authority -

18 are at work;
5 are at home.

During 1939, twenty-four Statutory cases were dealt with as follows, viz:

Sent to Certified Institutions	11
Placed under Guardianship , , , , ,	5
Varying Orders -	
(a) Change of Guardian	2
(b) From one Institution to another ...	6
	<hr/> 8
	<hr/> 24
	<hr/>

30 Orders were renewed during the year - 10 of which were guardianships.

The number of cases sent to Certified Institutions shows an increase of 4.

GUARDIANSHIP CASES.

There are 65 cases under Statutory guardianship - 35 of these under the care of relatives, and 30 with guardians who are not relations. 7 males and 6 females are at work.

400 visits have been paid to guardianship cases during the year.

There are 2 cases on leave from institutions, both these cases are girls.

TOWN HALL CLINIC FOR MENTALLY DEFECTIVE, BACKWARD AND ABNORMAL CHILDREN.

86 children were examined during 1939. The classifications arrived at, together with the recommendations made are summarised as under :-

1. (a) Certified as Mentally Defective	24
(b) Confirmed as Mentally Defective	20
	<hr/> 44

Recommendations-

(a) Recommended for Special Day School	34
(b) Recommended for Residential School	-
(c) Referred to Occupation Centre or Institution	6
(d) Observation at home	4
2. Found to be dull and backward	44
	<hr/>
(a) Referred to a Special Class	36
(b) Further trial in Ordinary Class	2
(c) For trial in Ordinary Elementary School ...	6
3. Referred to Child Guidance Clinic	4
4. Mental examinations at St. Christopher's School	16

The Occupation Centre.

Owing to the outbreak of the War the Occupation Centre did not reopen as usual for the Autumn term.

It was reopened on the 13th October 1939 with one teacher in charge for six children.

On the 1st April 1940 it reopened after the vacation for 20 children with three teachers.

The St. Christopher's Special School

The Children were evacuated to the Constitutional Camp at Horton near Gt. Yarmouth in September. The numbers have gradually decreased from fifty to twenty eight at the present time.

MATERNITY AND CHILD WELFARE.

Notification of Births Act, 1915

Notifications were received from:-

	Live Births.	Still Births	Total
Midwives	2452	68	2520
Doctors, Parents and others	1059	41	1100
Total	3511	109	3620

Maternal Mortality

There were 4 deaths directly due to pregnancy, compared with 3 in 1938. The maternal mortality rate was 1.16 per 1,000 births, compared with 0.87 in 1938. In other words one mother died for every 835 live babies born.

The deaths directly due to pregnancy were caused by:-

- (a) Detachment of the placenta: haemorrhage from uterus
- (b) Pulmonary embolism consequent upon operation of Caesarean section performed for placenta praevia.
- (c) Fatty degeneration of the heart, accelerated by difficult labour (brow presentation.).
- (d) Acute peritonitis consequent upon septic abortion (natural).

Puerperal Fever and Puerperal Pyrexia.

Thirty-nine cases of Puerperal Pyrexia were notified. This is a rate of 11.3 per 1,000 births (live and still births).

Accommodation for Confinement.

The following Table gives information concerning the accommodation utilized for confinements.

	Number.	Percentage.
In Private Houses	1563	42.53
In Public Institutions	1402	38.15
Registered Maternity Homes	710	19.32

Still Births.

During 1939, 107 still births were registered in respect of Croydon. Of these 64 were male babies and 43 female; 2 males ~~and~~ were illegitimate. The proportion of still births to living children was as 1 to 32. The still birth rate was 3.1 per cent of the total births.

The still birth rate, on the same basis as for Infant Mortality, was 30.4 per 1,000 births.

Ophthalmia Neonatorum.

Fifteen cases were notified during 1939.

The following table gives the notifications in Croydon during the past eleven years:-

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
No. of cases	5	19	14	21	10	13	13	20	21	20	15
Rate per 1000 births.	1.5	5.4	5.6	6.3	3.2	4.0	3.9	6.2	6.4	6.0	4.5

Results of Treatment

Cases treated			Vision Unimpaired	Vision Impaired	Died	Removed	Remaining under Treatment etc.
Notified	At home	In hospital					
15	12	3	11	-	-	2	2

Infant Mortality

The Infantile Mortality rate was 38 per 1,000 live births registered. This is 2 per 1,000 births less than in 1938 and is the lowest yet recorded.

For the past 5 years the numbers of infant deaths have been: 1935, 147; 1936, 134; 1937, 125; 1938, 135; 1939, 130; 98 deaths of infants occurred in institutions, including Registered Nursing Homes.

Among the 130 deaths, 71 occurred in boy babies and 59 girls. Of the births, 1,732 were males and 1,608 females. The infantile mortality rate for the two sexes was, therefore:- Boys, 41; girls, 37.

The rate of infant mortality amongst illegitimate children was 62 per 1,000. The rate in legitimate children was 36 per 1,000.

Deaths under one Year, arranged in days, weeks and months.

CAUSES OF DEATH	1st day.	2nd day.	3rd day.	4th day.	5th day.	6th day.	7th day.	1st-2nd wk.	2nd-3rd wk.	3rd-4th wk.	Under 1 month.	1-2 mths.	2-3 mths.	3-4 mths.	4-5 mths.	5-6 mths.	6-7 mths.	7-8 mths.	8-9 mths.	9-10 mths.	10-11 mths.	11-12 mths.	TOTAL.
All Causes (Certified)	29	5	11	6	5	3	1	8	5	4	7	11	6	6	8	2	7	3	3	3	1	1	129
(Uncertified)	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	1
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Meningitis (not Tuberculous)	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	1	...	...	...	...	3
Convulsions	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1
Laryngitis	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	2
Bronchitis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
Pneumonia (all forms)	...	...	1	1	...	...	...	2	...	1	5	2	1	2	2	...	2	...	1	1	1	1	18
Diarrhoea and Enteritis	...	...	...	...	...	...	...	1	...	1	2	1	...	4	4	1	4	3	1	...	...	...	20
Gastritis	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	2
Rickets	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations	13	1	3	1	1	...	...	1	1	2	13	2	...	...	...	...	...	...	...	1	...	...	16
Premature Birth	12	4	4	1	2	...	...	2	2	1	28	1	...	1	...	...	...	...	...	...	...	...	30
Atrophy, Atelectasis, Debility, and Marasmus	12	...	2	1	...	1	...	1	...	2	10	1	...	1	1	...	...	...	...	...	...	...	22
Injury at birth	2	...	1	1	...	...	...	...	...	...	4	...	1	...	...	...	...	...	...	...	...	...	5
Other causes	1	...	...	...	...	2	1	1	...	...	5	1	1	...	1	...	1	...	...	1	...	...	10

The rate of infantile mortality for England and Wales was 50, and for the 126 large towns, 53. For Croydon the rate was 36. An analysis of the above table shows that 23.1 per cent occurred on the first day of life, and 59.2 per cent before the completion of the first month.

The following table gives the causes of death during the first month of life:-

I. COMPLICATIONS OF LABOUR.	
Trauma at Birth	<u>4</u>
	4
II. FOETAL STATES.	
Congenital Heart Malformation . . .	10
Other Congenital Deformities . . .	3
Atelectasis etc.,	<u>19</u>
	32
III. PREMATUREITY	<u>28</u>
	28
IV. POST-NATAL CAUSES	<u>13</u>
	13
	77
	<u>77</u>

	Percentage Deaths per Total Infantile Deaths.		Deaths per 1,000 Births.	
	1938.	1939	1938	1939
Premature Births	17.8	23.1	7.2	9.0
Respiratory Diseases (Pneumonia and Bronchitis)	13.3	15.4	5.4	6.0
* Infectious Diseases (inc. Tuberculosis)	10.4	1.5	4.2	0.6
Atelectasis, Debility and Marasmus	13.3	16.2	5.4	6.6
† Diseases of Digestion	19.3	17.7	7.8	6.9
Accidental and Congenital	15.6	16.2	6.3	6.3

* Analysed these deaths were due to Whooping Cough 1; Cerebro-Spinal Fever 1;

† Analysed these deaths were due to Diarrhoea 20; Intussusception 1; Pharyngeal abscess 1; and Toxic Jaundice 1.

MIDWIFERY SERVICE.

Midwives Acts. 1902 and 1918.

111 midwives notified the Local Supervising Authority of their intention to practise within the Borough during 1939. 40 ceased practising in the Borough; so that 61 remained on the Register at the end of the year. All these 61 were trained and held the certificate of the Central Midwives Board.

Midwives are compensated if they lose a case through admission to a hospital or maternity home on the advice of a doctor. The sum of £12.12.0. was paid out during the year.

Confinements attended by Midwives, (including Municipal Midwives),

Cases attended by midwives alone	2782	75.4% of total.
Cases attended by midwives when a doctor was also engaged	439	
Cases attended by midwives when a doctor was also summoned	471	
TOTAL	3,692	

The Rules of the Central Midwives Board lay down that the Local Supervising Authority must be informed within 36 hours, by a midwife if she has summoned medical help during pregnancy, in a confinement or within ten days afterwards. The following table gives details of the reasons for sending for medical aid:

FOR COMPLICATIONS DURING PREGNANCY

Abortion	7	Other causes	6
Albuminuria	10		- 23

FOR COMPLICATIONS DURING LABOUR

Breech	3	Occipito-Posterior	2
Extended Breech	1	Transverse	3
Head	2	Undiagnosed	5
			- 16
Obstructed Labour	2		- 2
Delayed Labour -			
Uterine Inertia	8	Prolonged	37
Delayed	25		- 70
Haemorrhage			
Ante Partum	22	"Haemorrhage" or	5
Post Partum	8	"bleeding"	- 35
Other Causes -			
Adherent Placenta	3	Illness of Mother	30
Retained Placenta	6	Eclampsia	2
Torn Perineum	139		- 180

FOR COMPLICATIONS DURING PUERPERIUM:

Pyrexia	26	Pain in Breasts	6
Pain in legs	15	Other causes	11
Toxaemia	6		- 64

FOR COMPLICATIONS IN REGARD TO THE BABY

Inflammation of Eyes	51	Convulsions	2
Still birth	4	Deformities	9
Feebleness	14	Other causes	29
Premature Birth	8		- 117

In accordance with Rule 12a of the Central Midwives Board, the following reasons for the discontinuance of breast feeding were received:-

Illness of Mother	4	Other causes	3
Insufficient Milk	25		
Inverted Nipples	6	Total.	<u>38</u>

Inspection of Midwives.

Dr. Jenkin-Lloyd, the Inspector of Midwives interviewed 3 midwives at the Town Hall. 31 visits were paid by her to the home of midwives.

Doctors' Accounts under Section 14 (1) of the Midwives Act, 1918.

424 accounts were received from Doctors for services rendered under the provisions of this section. This compares with 388 in 1938, 284 in 1937, 268 in 1936, 243 in 1935 and 172 in 1934. The total amount of the accounts was £533. 4. 0. £207. 2. 6 was ultimately recovered from the patients. In 1938 the amount paid to doctors was £501. 9. 6 and in 1937 £372. 13.0.

NURSING HOMES (REGISTRATION) ACT, 1927.

	Maternity Homes.	Other Nursing Homes	Combined Maternity and other Nursing Homes.	Total.
No. of Homes on Register, on 31/12/38	13	26	9	48
No. of Applications for Regi- stration during 1939	-	2	-	2
No. of Homes registered during 1939	-	2	-	2
No. of Homes on Register on 31/12/39	13	25	8	46
No. of Beds available	68	348	(a) Mat.(a) beds:39 (b) Other(b) beds:57	107 405

MATERNITY AND CHILD WELFARE CONSULTATIONS.

There are 18 Maternity and Child Welfare Centres, 16 of which are conducted by the Croydon Mothers' and Infants' Welfare Association, and 2 by the Local Authority. A total of 22 sessions per week are held and at all of these a doctor and nurse on the staff of the Health Department attend.

During 1939, 2,703 new cases under 1 year of age, and 1,047 over a year of age attended for the first time; The total attendances of infants and young children from 0-5 years decreased from 88,168 in 1938 to 79,714 in 1939. Consultations with doctors decreased from 24,548 to 21,511. 51 expectant mothers were seen, a decrease of 60 on 1938, and a total of 505 visits to the Centres were paid by them. The total of all visits to the Centres was 80,219 a decrease of 8,564 compared with 1938.

The highest average attendance of mothers and babies at each session was recorded at St. Jude's (102.0), Woodside (99.5), South Croydon (97.3) and St. Andrews (91.3).

For a week after the outbreak of war all the Welfare Centres were closed. Happily, events showed this was unnecessary, and they were reopened. The evacuation of mothers accounts for the small decrease in numbers attending.

ATTENDANCES AT INFANT CENTRES - 1939

	Municipal	Boston Rd.	St. Andrews	St. Croftdon.	Shirley	Woodside.	Lr. Addiscombe Rd.	St. Norwood.	Westow St.	St. Alban's.	St. Paul's	St. Oswald's.	West Croftdon. Norbury.	Waddon.	St. Jude's.	Selhurst	Adding-ton	Monks Orchard	Total 1938	Total 1939	
1...	431	113	74	132	124	123	219	177	97	183	244	78	69	125	101	124	62	174	53	2692	2703
2...	5568	1613	1365	1832	1494	1892	3446	2925	1114	2782	2405	1498	809	1816	1666	1700	1057	1992	641	40942	37815
3...	108	47	19	43	39	37	89	72	40	53	102	20	28	39	27	29	34	176	45	1097	1047
4...	3585	2100	1356	2345	1138	2320	3338	3065	1650	3278	2538	1289	1612	1396	1985	1408	1430	2015	501	43437	38349
5...	9692	3973	2814	4352	2795	4372	7092	6239	2901	6296	5289	2885	2518	3376	3779	3261	2583	4357	1240	88188	79714
6...	2525	1062	697	903	709	1042	1932	2044	991	1898	1391	803	801	777	1119	795	738	1062	402	24548	21511
7...	113	46	31	45	39	44	93	95	60	73	62	33	39	32	61	32	32	77	24	1050	1038
8...	7	-	1	3	9	3	2	3	-	2	-	-	-	1	15	-	-	3	2	111	51
9...	29	28	14	22	17	5	55	64	10	4	-	3	36	5	110	-	42	10	-	504	454
10...	36	28	15	25	26	8	57	67	10	6	-	3	36	6	125	-	42	13	2	615	505
11...	3728	3901	2829	4377	2821	4380	7149	6306	2911	6302	5289	2888	2554	3382	3904	3261	2625	4370	1242	88783	80219
12-1938	86.1	84.8	91.3	97.3	72.3	99.5	76.9	66.4	48.5	66.3	85.3	87.5	65.5	86.7	64.0	102.0	82.0	56.8	51.7		*77.3
1938	1055	87.4	90.5	103.1	81.2	96.1	83.8	74.0	69.4	85.6	103.1	74.7	76.3	79.2	81.6	85.5	65.7	57.5			*84.6

* Total average attendance each week at all the Centres. † Commenced in March.

1. New cases under 1 year . (2) No. of re-attendances. (3) New cases over 1 year. (4) No. of re-attendances.
 (5) Attendances of children 0-5. (6) Consultations with Doctor. (7) No. of Sessions.
EXPECTANT MOTHERS:- (8) No. of New cases; (9) No. of re-attendances; and (10) Total attendances of Expectant Mothers.
 11. Total attendances; (12) Average attendance per Session.

The Work of the Health Visitors - Maternity and Child Welfare Only.

	C.W	R.A	A.W W	M.S	A.P	A.W	J.C	E.H	A.H	K.T	V.C	C Wa.	D.S	A.O	L.W	I.E	M.W	L.O	W.W.B.D	E.C L.B	E.W G.B	D.B	Others	Total			
1.	13	1	30	5	1	1	2	14	3	6	5	1	-	1	3	1	4	6	-	3	-	-	-	-	100		
2.	16	3	6	10	-	-	7	11	-	2	-	-	-	-	-	1	1	10	-	1	-	-	-	1	69		
3.	109	145	108	40	187	132	239	199	115	94	69	71	166	174	70	98	138	115	98	399	80	101	198	121	378	227	3851
4.	420	164	150	129	307	250	328	720	481	169	225	284	459	403	224	376	434	432	385	638	107	211	332	247	483	354	8732
5.	5	-	-	1	2	8	16	9	2	5	2	-	3	8	2	2	2	3	10	64	2	16	1	2	37	3	205
6.	222	114	172	104	160	298	289	570	399	134	282	223	246	454	207	387	325	289	338	497	63	109	246	205	371	159	6863
7.	4	-	-	1	2	6	6	15	-	3	-	2	-	-	2	-	4	8	2	68	3	13	7	1	16	4	165
8.	529	360	287	237	154	578	209	935	498	412	366	311	289	342	448	484	598	402	553	554	79	180	559	358	303	307	10332
9.	1	-	-	1	3	-	-	-	2	-	-	1	-	-	-	5	2	1	-	-	-	1	-	-	2	3	22
10.	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	1	-	-	4	-	11
11.	-	6	3	1	5	4	4	2	1	3	2	2	5	3	4	3	3	5	2	17	1	5	13	2	5	10	111
12.	2	16	-	-	-	-	2	7	4	1	2	13	27	-	-	46	13	16	24	68	2	16	14	4	9	11	297
13.	4	8	9	1	3	10	1	2	2	4	2	2	2	6	1	3	8	1	5	9	2	3	-	2	2	13	105
14.	9	-	2	45	12	2	1	-	13	63	5	18	1	17	17	3	1	5	4	81	14	69	33	1	18	30	454
15.	266	178	164	283	293	394	311	336	368	131	412	296	398	232	296	437	722	619	311	592	160	294	481	330	181	369	8814
	1602	915	931	859	1129	1683	1415	2820	1888	1027	1372	1234	1596	1630	1274	1848	2256	1912	1732	2939	513	1019	1884	1273	1809	1491	40131
	2471	1314	2279	1293	951	1944	1828	3553	1912	2332	2512	1446	2904	1441	2622	1406	2541	2841	1934	1378	1205	1265	528	193	845		44938

Visits to expectant Mothers

1. First visits
2. Re-visits

Infants under 1 year

3. First visits
4. Re-visits

Children 1 - 2 years

5. First visits
6. Re-visits.

Children 2 - 5 years

7. First Visits
8. Re-visits.

Ophthalmia Neonatorum

- 9 First visits
- 10 Re-visits

- 11 Still births
- 12 Milk (Mothers and Children's order).

13. Houses where deaths of infants occurred.
14. Miscellaneous visits.

15. Ineffective visits.

Milk (Mothers and Children) Order.

Dried Milk Supplied at	On Dec.31st, 1938	New cases during the year.	Cases discontinued.	On Dec.31st, 1939
Free	668	1,060	1,196	532
Half-price ..	83	199	197	85
Total ...	751	1,259	1,393	617

In cases where there has been a change from free milk to milk at half-price it has been counted as a new case. The year showed a decrease of 134 in assisted milk cases.

ASSISTED FLUID MILK SCHEME.

The amount of milk granted was 228,500 pints. In 1938 it was 261,000 pints.

Supplied to Families.	No. of Pints.	Corporation Liability.
Milk at 1½d. pint	25,500	£ s. d. 212 15 4
Milk Free	203,000	2,960 9 2
	228,500	£3,173 4 6

DRIED MILK (COUPON) SCHEME.

The amount of dried milk granted free or at half-price was 14,553 packets. In 1938 it was 14,108 packets.

	No. of Packets.	Corporation Liability.
Dried Milk at Half-price	1,532	£ s. d. 63 10 11
Dried Milk Free	13,021	1,080 6 5
	£14,553	£1,143 17 4

DRUGS SUPPLIED UNDER COUPON SCHEME.

During the year £303-2-7d was spent on drugs. In 1938 it was £239-4-11d.

CONVALESCENCE COMMITTEE OF THE CROYDON MOTHERS' AND INFANTS' WELFARE ASSOCIATION

This Committee undertakes the arrangements for convalescence in cases of mothers and children referred for that purpose by the medical officers at the various Infant Welfare Clinics. I am indebted to the Convalescence Secretary for the data given.

CONVALESCENT HOMES

Total number of children under 5 sent to Convalescent homes (all with mothers)	8
Total number of weeks	17
Cost, £27-11-6d.	
Number of mothers sent for convalescence	70
Number of children under 5 sent with their mothers to cottages (this includes 11 who went to relations)	72

A grant of £300 was made by the Council to the Association for this work in 1939. The year is the financial year.

HOME HELPS

From January 1st to December 31st, 560 mothers applied for Home Helps, and 536 applications were supplied. £308-0-6d. was collected in payment for their services. At the end of the year there were 28 names of Home Helps on the register. This service has shown a continued growth during the year.

BABIES' HELP REPORT

I am indebted to Mrs. Philpott for the following particulars:-

"At the beginning of 1939 the Babies' Help Committee had four cases on the books; at the end of the year there were seven cases. During the year 16 Mothers and Babies were helped. The Committee would thank the Health Visitors for their co-operation in this work."

CROYDON ASSOCIATION OF MORAL WELFARE

This Association has a Home for Girls at 34 Morland Road. As the Council now makes a yearly financial grant of £100 towards its conduction, it is periodically inspected by the Council's officers.

THE CRECHE, WHITEHORSE ROAD.

The Council give an annual grant of £500 towards the cost of this Creche. A total of 6,885 attendances was recorded.

COOMBE CLIFF CONValesCENT HOME.

The following is a summary of the cases dealt with:-

Number of cases admitted during the year - 144.

Total number of cases discharged - 147.

Number of patient days - 51.112 per patient (1939 cases).

Age groups of cases admitted.

	0-4	5-8	9-12	Over 12	Total
Male	29	33	18	2	82
Female	15	26	12	7	62
Total	44	61	30	9	144

Condition on discharge.

	0-4		5-8		9-12		Over 12		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Improved	12	5	20	15	4	9	1	1	37	30
Much Improved ..	7	4	12	13	16	8	1	5	36	30
No change... ..	1	1	1	1	2	-	-	-	4	2
Discharged at parent's request.	1	2	1		3	1	-	-	5	3
Total	21	12	34	29	25	18	2	6	82	65

PUBLIC HEALTH ACT, 1936. PART VII.

This part of the Act deals with Foster Mothers and Foster Children.

The Tables below give figures for 1939:-

FOSTER CHILDREN

No.as at Dec.31st 1938	Notice of Recep- tion of Children during the year.	Notice of removal to-					Child- ren reach- ing age of 9	No.as at Dec.31st 1939.	
		Another area with Foster Parent	Another Foster Parent	Public Institu- tion	Children Adopted	Died			
303	215	155	64	38	30	18	2	13	198

The number of foster-children showed a decrease of 105 during the year.

FOSTER MOTHERS

No.as at December 31st, 1938	Applications for Authorisa- tion during the year.	Removals during the year		Authorisa- tion cancell- ed for other reasons.	No.as at December 31st, 1939.
		With Child	Without Child		
150	39	22	-	48	119

The number of foster-mothers decreased by 31 during the year.

The Health Visitors paid 2132 visits to foster-mothers for the purpose of supervision.

SANITARY CIRCUMSTANCES.

To the Medical Officer of Health

I beg to submit in accordance with the Sanitary Officers' Order, 1922, a report for the year ending December 31st, 1939 of the work carried out by the Sanitary Inspectors and other officers under my supervision.

ROBERT J. JACKSON,
Chief Sanitary Inspector.

SUMMARY OF INSPECTIONS MADE BY THE SANITARY INSPECTORS, AND OTHER DEPARTMENTAL WORK.

Total No. of Houses inspected for housing defects (under Public Health or Housing Acts)....	3060
No. of houses inspected under the Housing (Consolidated Regulations) 1925....	1932
No. of Houses inspected under the Rent Restriction Acts...	9
No. of Houses inspected where zymotic diseases have occurred	356
House drains tested with smoke (primary)	794
House drains tested with smoke (on application)....	13
No. of smoke tests during repair.. . . .	227
Inspection of drainage work during construction....	3504
No. of water tests during repair.. . . .	397
Final tests of drains after repair	68
Final tests of drains when completely relaid.. . . .	58
Length of new drains testedyards....	2645
Inspection of yards, stables and manure pits.. . . .	391
" Passages	159
" Public Conveniences	4018
" Pigstyes	128
" Tents, Vans, and similar structures....	126
" Theatres, Cinemas, Halls, ets.	95
" Ponds and Ditches...	77
" Schools and School Lavatories.	132
" Common Lodging Houses (including night visits)	46
" Houses let in lodgings	78
" Premises where offensive trades are conducted.	54
" Gipsy Encampments, camps, etc.	32
" Cesspools...	82
" Pail closets, privies.	252
" Gathering grounds	563
Siting Shelters, Reinspections, etc....	30161
Smoke Observations	109
No. of Visits re Infectious Diseases.. . . .	1123
Inspections of Shops (under Shops Acts)....	1733
Special Early Closing Patrols.. . . .	49
Sunday Patrols	51
Special Evening Patrols under Shop Hours Act.. . . .	123
Inspections under Fertilisers and Feeding Stuffs Act.. . . .	6
" under Pharmacy and Poisons Act	26
" Dairies...	72
" Farms and Cowsheds	185
" Milkshops.	340
" Premises where food is prepared or sold	5463
" Slaughterhouses...	668
" Factories with mechanical power...	1197
" Factories without mechanical power	167
" Workplaces, Public Health Act	431
" Outworkers Premises	218
Visits re Young Persons Employment Act....	56

Baths Inspections	20
Open Air Swimming Pool samples... ..	14
Water Samples examined... ..	127
Visits to Employers of Outworkers	26
Reinspections of Work in Progress	22415
Sundry Inspections and Visits	5281
Appointments kept with Owners, builders, etc.	2208
Complaints from public investigated (for purposes other than inspection of House)	3882
Examination of Building Plans	56
Informal Notices outstanding 31/12/38	2935
" " served	6795
" " complied... ..	7250
No. of Informal Notices referred for Statutory Orders	589
Informal Notices outstanding	1891
Statutory Notices outstanding 31/12/38	156
" " served	673
" " complied... ..	659
Total number of complaints received.. ..	2975
Interviews with callers	3845
Letters received	5120
Letters and other intimations, etc., sent (not including notices)	6663

Nuisances, Infringements of Acts, Byelaws, Regulations or Orders, ascertained by the Sanitary Inspectors during the year 1939 and for which action was taken to enforce compliance:-

(1) NUISANCES AND HOUSING DEFECTS AT HOUSES, Etc.

Insufficient means of Ventilation -	
Defective windows and casements	1285
Want of windows or ventilators.	32
Conditions causing dampness -	
Defective roofs	1241
" gutters and downspouts... ..	689
" walls, etc.	375
Deposits of refuse causing dampness	5
Want of proper damp proof course... ..	411
Other structural defects -	
Defective plaster... ..	916
Cleansing and linewashing required.	1247
Defective floors... ..	318
Insufficient ventilation under floor... ..	28
Defective brickwork, eills, lintels, etc... ..	426
Defective stoves and fireplaces	434
No concrete site under floors.. ..	2
Defective drains, sanitary fitting, etc. -	
Defective sinks and waste pipes	358
Abolition of drinking water cisterns... ..	7
Defective w.c.'s	635
" drainage.. ..	568
Stoppage in drains.. ..	137
Abolition of pail closets, privies, etc.... ..	5
Domestic nuisances -	
Want of cleanliness	6
Dirty w.c. pans... ..	10

Other nuisances and infringements -

Removal of caravans	1
Offensive accumulations	108
Insufficient accommodation for sub-tenants.	5
Defective manure receptacles.....	3
Want of manure receptacles.	1
Defective sanitary conveniences	25
Dirty sanitary conveniences	8
Smoke nuisances	5
Sundry nuisances or defects	417
Linewashing of stables.	6
Defective stables.....	2
Particulars not inserted in Rent Book (Housing Act)	697
" " " " " (Rent Restriction Act)	149

(2) FACTORIES & WORKPLACES -

Want of cleanliness	57
Inadequate ventilation.	2
Insufficient drainage of floors	1
Overcrowding.....	1
Abstract not exhibited.	5
Thermometers required..	74
Unreasonable temperature.....	5
Defective roofs.....	6
" or dirty yards.....	12
" gutters and downspouts.....	3
Provision of water supply off main.	7
Damp conditions.....	4
Defective drains.....	16
Unsuitable Rooms.....	1
Notices re maximum no. required	8
Outworkers registers required..	6
Linewashing registers required.	1

W.c.'s -

Insufficient	8
Unsuitable or Defective.....	258

(3) INFRINGEMENTS OF CROYDON CORPORATION ACT, 1924 -

Food cupboards defective or required	220
Dustbins required	505
Verminous conditions.	133

(4) INFRINGEMENTS OF PUBLIC HEALTH ACT, 1925 (S.72-75)
INFRINGEMENTS OF FOOD HYGE-LAWS, AND FOOD AND DRUGS
ACT, 1938.

Cleansing or repair of walls and ceilings.....	74
" " repairs of floors, utensils, fixtures, etc.,	23
Dirty or defective w.c. accommodation.	28
Food storage accommodation required	3
Animals kept in food store	7
Refuse bins uncovered	4
Accumulation in food store and yards adjacent.....	29
Food in uncovered vehicles or baskets.....	5
Food improperly kept or manufactured.....	15
Premises not suitable for storage or manufacture of food.	8
Want of provision of towels.....	8
Provision of cloak room accommodation.	17
Illegal wrapping of food.....	1
Household washing in food store.....	3
Want of ventilation in food store.....	4
" intervening ventilated-space to w.c.	3
" additional w.c. accommodation.....	1

Drain inlets in food stores	1
Offal bin required	2
Insufficient or defective sink accommodation and water supply	12
Defective sanitary fittings	1
Overalls required.	1
(5) INFRINGEMENTS OF PUBLIC HEALTH ACT: PAVING, Etc.	
Defective yard paving	255
Rainwater pipe used as ventilation pipe	1
(6) INFRINGEMENTS OF SHOPS ACTS -	
Insufficient lighting to w.c.	44
Insufficient or defective w.c. accommodation	25
Reasonable temperature required	16
Provision of means of heating... ..	13
Unsuitable or insufficient washing facilities... ..	12
Insufficient accommodation for assistants' meals... ..	3
Seating accommodation required for females.	3
Assistants Weekly Half-Holiday Notices required, etc.	69
Mixed Shop Notices required	55
Young persons hours of employment infringed	8
Hours of employment forms not exhibited or incorrect	256
(7) INFRINGEMENTS OF COMMON LODGING HOUSE BYELAWS... ..	-
(8) INFRINGEMENTS OF HOUSES LET IN LODGINGS BYELAWS -	
Additional cooking and sink accommodation	1
Want of food storage accommodation	2
" Artificial lighting to common staircase	5
Cleansing required	2
Provision of dustbins.	2
Defective flooring	1
(9) INFRINGEMENTS OF OFFENSIVE TRADE BYELAWS -	
Fishfrying premises -	
Limewashing required	1
Artificial lighting for fish cleaning shed.	1
Other premises -	
Dirty or defective w.c. accommodation.	1
Cleansing and whitewashing required	7
Dirty or defective yard paving	1
Offal bins required	1
(10) INSPECTION OF AMUSEMENT HOUSES -	
Defective sanitary fittings	1
W.c. defective	10
W.c. required cleansing... ..	2
Notices to be fixed to door of lavatories..	1
Defective drains... ..	2
(11) KEEPING OF ANIMALS -	
Pigstyes within 100 feet of dwellings..	1
Nuisances in connection with the keeping of pigs... ..	1
Nuisances arising from the keeping of other animals	10
(12) INSPECTION OF WATERCOURSES, etc. -	
Cleansing of watercourses and ponds	2
Spraying of ponds required	1
(13) INFRINGEMENTS OF PHARMACY & POISONS, &c., ACT -	
Article not labelled in accordance with the Act	-
(14) INFRINGEMENTS OF FERTILISERS & FEEDING STUFFS	
ACT, Sec.1 (1) (11)... ..	-

(15)	INFRINGEMENTS OF RATE & MICE DESTRUCTION ACT -	
	Infestation of rats on premises where food is prepared or sold	2
	Accumulations of refuse, etc., harbouring rats...	26
	Defective drainage...	4
	Structural defects allowing ingress of rats into dwelling houses	23
	Dilapidated sheds, etc., harbouring rats.	27
	Rats in business premises	4
	Animal and bird food attracting rats.	1
	Rats under yard paving... ..	4
(16)	INFRINGEMENTS OF MERCHANDISE MARKS ACT & AGRICULTURAL PRODUCE & MARKING ACT -	
	Apples not marked...	15
	Tomatoes "	10
	Eggs "	2
	Butter "	1
	Currents "	2
	Sultanas "	2
	Meat "	7
	Salmon "	3
(17)	INSPECTION OF SCHOOL LAVATORIES -	
	Defective sanitary fittings.	2
(18)	INFRINGEMENTS OF OTHER BYELAWS -	
	Noisy animals... ..	7
	Noisy instruments... ..	-
	Milk bottles on public highway	2
	Foul water flowing over footpath	2
	Fouling of footpaths by dogs	1
(19)	INFRINGEMENTS OF PUBLIC HEALTH (MEAT) REGULATIONS -	
	Carrying meat by meat porter without head covering.	3
	Transport of uncovered meat	1
(20)	INFRINGEMENTS OF FOOD AND DRUGS (ADULTERATION ACT, 1928 -	
	Margarine not marked	3
(21)	INFRINGEMENTS OF MILK AND DAIRIES REGULATIONS, etc.-	
	Dirty cowsheds or dairies... ..	-
	Cleansing of cows' flanks required... ..	1
	Defective sanitary fittings.	1
	Offensive accumulations	1
	Pasteurised milk sold unlabelled	1
	Disinfection of cowsheds under T. Order.	1
	Sale of Tuberculin-Tested Milk without licence..	5
	Sale of loose milk from bottles.	1
	<u>SANITARY CERTIFICATES</u>	
	During 1939 requests were made in connection with 13 houses.	
	The following defects were ascertained in consequence of these inspections:-	
	Defective gully	1
	" Downspout	1
	" drains... ..	3
	" sanitary fittings	10
	" w.c.'s... ..	1

RENT RESTRICTION ACTS.

A number of applications were received for certificates as to the condition of repair of the houses concerned. In 7 instances where the Acts applied certificates were granted. In 3 instances certificates were given to owners stating that the work had been carried out.

HOUSING.

Individual Unfit Houses.

In the Five Year Plan it was estimated that some 150 individual unfit houses were subject to be dealt with in the Borough. A revised estimate now brings the total to 247. Up to the end of 1939 196 houses had been approved for demolition and demolition orders had been made; 162 houses had been actually demolished, the tenants being re-housed, when they desired, by the Council; 731 persons were displaced. In addition 90 closing orders have been made and 89 parts of houses closed for human habitation; 232 persons being displaced.

The following tables give particulars as to housing during 1939 under the headings prescribed by the Ministry of Health:-

1. Inspection of Dwelling Houses during the year:-

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health and Housing Acts)	3060
(b) Number of inspections made for the purpose.	3060
(2) (a) Number of dwelling houses included under the sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925 and 1932.	1932
(b) Number of inspections made for the purpose	1932
(3) Number of houses found to be in a state so dangerous and injurious to health as to be unfit for human habitation	17
(4) Number of dwelling houses (exclusive of those referred to under the previous sub-head) found not to be in all respects reasonably fit for human habitation	1811

2.- Remedy of Defects throughout the year without service of Formal Notices.

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers	1734
---	------

3.-Action under Statutory Powers during the year.

A. Proceedings under sections 9, 10 and 16 of the Housing Act 1936

1. Number of dwelling houses in respect of which notices were served requiring repairs	233
2. Number of dwelling houses which were rendered fit after service of formal notices	
(a) by owners	256
(b) By local authority in default of owners.	2

B. Proceedings under Public Health Acts

1. Number of dwelling houses in respect of which notices were served requiring defects to be remedied.	4
2. Number of dwelling houses in which defects were remedied after service of formal notices	
(a) by owners	4
(b) by local authority in default of owners	-

C. Proceedings under sections 11 and 13 of the Housing Act, 1936

1. Number of dwelling houses in respect of which Demolition Orders were made	17
--	----

- | | |
|---|----|
| (2) Number of dwelling houses demolished in pursuance of Demolition Orders. | 21 |
|---|----|

D. Proceedings under Section 12 of the Housing Act, 1936:

- | | |
|---|-----|
| (1) Number of separate tenements or underground rooms in respect of which closing orders were made | 9 |
| (2) Number of separate tenements or underground rooms in respect of which closing orders were determined, the tenement or room having been rendered fit | 1 1 |

1 Not including 122 houses concerning which notices were served prior to 1939.

OVERCROWDING.

Housing Act, 1936. Overcrowding.

- | | |
|--|--------|
| (a) (i) Number of dwellings overcrowded at the end of the year | }
Ø |
| (ii) No. of families dwelling therein | |
| (iii) No. of persons dwelling therein | |
| (b) No. of new cases of overcrowding reported during the year | |
| (c) (i) No. of cases of overcrowding relieved during the year | |
| (ii) No. of persons concerned in such cases | |
| (d) Particulars of any cases in which dwelling houses have again become overcrowded after the Local Authority have taken steps for the abatement of overcrowding | |

Ø: NOTE Owing to the evacuation of families it has been found impossible to bring this table up to date.

FACTORIES ACT, 1937.

The new Factories Act came into force on July 1st, 1938. This caused considerable alterations of an additional character in regard to the work. The word "workshop" has now been left out and all places where persons are employed are now factories.

FACTORIES.

<u>Inspections</u>		Inspections.	Number of Written Notices.	Prosecutions.
Premises.				
FACTORIES (with mechanical power)		1197	78	-
FACTORIES (without mechanical power)		167	103	-
Other premises under the Act		431	72	-
TOTAL		1795	253	-

<u>Defects Found.</u>		No. of Defects Remedied	Referred to H.M. Inspector	Prosecutions.
Particulars.	Found			
Want of Cleanliness	57	51	-	-
Overcrowding	1	1	-	-
Unreasonable temperature.	5	5	-	-
Inadequate ventilation	2	1	-	-
Ineffective drainage of floor	1	1	-	-
Thermometers required	74	64	-	-
<u>Sanitary Conveniences-</u>				
Insufficient	8	7	-	-
Unsuitable or Defective	258	229	-	-
Not separate for sexes	-	-	-	-
<u>Other Offences-</u> (not including offences relating to homework or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers Order, 1921) and re-enacted in the Third Schedule to the Factories Act, 1937).				
TOTAL.		475	417	
Factories				715
Mechanical				
Non-Mechanical				304
Temporary Factories				
Mechanical				12
Non-Mechanical				12
Other premises under the Act.				
Employers of outworkers				29

Bakehouses.

The control of Bakehouses is dealt with under the Factories Act, the Food Drugs Act and the Public Health Acts, Croydon Corporation Act, 1924 and Cleanliness of Food Bye-laws. For details of Croydon Corporation Act, see under Food Inspection.

No. of Bakehouses on Register, 31st December 1939.	81
No. of underground bakehouses (included in above)	5
Visits made to bakehouses during the year	161
Defects found	27
Notices issued and complied with	16

Home Work.

Lists of home workers are sent in twice yearly, and last year contained the names of 137 workers residing within the Borough. 218 visits were paid to outworkers and 26 visits were paid to premises of employers of outworkers to examine lists and for other purposes.

Nature of employment of workers on the Register, 31st December 1938.

<u>Nature of work.</u>	<u>No. employed</u>	<u>Outwork in infected premises</u>	<u>Outwork in unsatisfactory premises</u>	<u>Remarks.</u>
Making, cleaning altering and repairing wearing apparel.	91		2	
Upholstery work.	7			
Lace goods.	3			
Other classes of work	36			
 TOTAL	 137		 2	

REGISTERED AND LICENCED PREMISES IN THE BOROUGH, 31st DECEMBER 1939.

Slaughterhouses (not including Public)	3
Bakehouses	86
Common Lodging Houses	2
Houses let in lodgings	60
Dairies and Milkshops	273
Cowsheds	15
Offensive Trades	106
Wholesale dealers in Margarine etc.	37
Premises registered under Artificial Cream Act, 1929	-
Premises registered for preparation or Manufacture of potted, pressed, pickled or preserved meat, fish or other food intended for the purpose of sale for human food	140
Premises registered for preparation or sale of ice cream	274

INSPECTION OF OFFICES - PUBLIC HEALTH ACT

During 1939 188 inspections of offices were carried out. This is a new branch of the work necessitated by the Public Health Act. A number of defects were found, including lack of sanitary accommodation for the sexes, cleansing of sanitary arrangements, redecorations required.

SHOP ACTS

The Shop Acts, 1934, contains provisions for dealing with the health and comfort of persons employed and also regarding ventilation, temperature sanitary conveniences, washing facilities and the facilities for taking meals in shops.

The Shops (Sunday Trading Restriction) Act, 1936, restricts the sale of certain goods on Sunday, deals with the hours which the assistants have to work and introduces new requirements.

The Retail Meat Dealers' Shops (Sunday Closing) Act, 1936, prohibits the sale of meat on Sundays, with certain exceptions.

The Young Persons Employment Act, 1938 came into force during the year.

All the matters mentioned above are an advance on previous legislation, and have entailed a considerable amount of extra work on the staff in order to see that the requirements were carried out.

1956 inspections were made and a number of infringements were found as set out.

COMMON LODGING HOUSES

1. Municipal Lodging House.

The Municipal Lodging House (built by the Corporation owing to displacement of private common lodging houses due to the improvement scheme) is situate at Pitlake, and contains 101 cubicle beds for nightly letting to lodgers. In addition there are three cubicles allotted to members of the Municipal Lodging House staff, making a total of 104 cubicles on the premises. The charge per night to lodgers is 1s., the cost of a weekly ticket is 6s., for seven nights.

The number of men accommodated during the year was 25,889. The number of men lodgers exceeded 70 per night throughout the year. The receipts and expenditure for the last ten years are as follows:-

	Receipts			Expenditure		
1930	£1324	10	9d.	£1477	13	6d.
1931	1395	6	4	1711	19	6
1932	1517	8	4	1547	5	5
1933	1437	2	6	1544	7	10
1934	1469	16	1	1595	8	9
1935	1488	11	5	1420	14	9
1936	1446	0	2	1391	19	2
1937	1378	14	8	1348	7	2
1938	1253	2	0	1580	6	5
1939	1284	3	4	1269	0	4

2. Private Common Lodging Houses.

There are 2 common lodging houses on the register.

During 1939 43 day and 3 night inspections were made.

Notices were served for the conditions and defects found.

The following table gives the situation of and the accommodation in the common lodging houses:-

Premises.	No. of rooms.	Accommodation.
11 and 12, Princess Road	10	38 men and women.

There are 66 houses registered under the Byelaws.

78 visits were made for inspection purposes.
7 notices were served for various amendments.
7 notices were complied with.

The following table gives the situation of these premises -

Road.	No. of houses. let in lodgings.
-------	------------------------------------

Boulsh Grove	1
Princess Road	1
Queens Road, Croydon	2
Ely Road	5
Forster Road	8
Wilford Road	16
Nursery Road	1
St. James' Road	1
Lodge Road	1
Tamworth Road	2
Bert Road	1
Bensham Manor Road	1
Clyde Road	4
Canning Road	2
Derby Road	2
Bolgrave Road	2
Fawsons Road	1
Windmill Road	4
Heathfield Road	1
St. Peter's Road	2
Alexandra Road	1
Whitehorse Road	2
Grange Road	1
Solihurst Road	1
Wellesley Road	1
South Norwood Hill	1
Sydenham Road	1

Notices were served for the conditions and defects found.

OFFENSIVE TRADES.

Byelaws relating to the Offensive Trades were adopted during the latter part of the year 1925.

54 inspections were made of premises where such trades were carried on and notices issued requiring amendments in accordance with the Byelaws.

The following are on the register:-

Rag and Bone Dealers	31
Gut Scrapers	2
Fish Friers	71
Rabbit Skin Drier	1
Fellmonger	1
	<hr/>
	106
	<hr/>

RAG FLOCK ACTS, 1911 and 1928.

Six samples were obtained and subjected to analyses, the results being as follows:-

No. 1 contained 10 parts of Chlorine per 100,000	
" 2 " 8 " "	"
" 3 " 11 " "	"
" 4 " 7 " "	"
" 5 " 10 " "	"
" 6 " 14 " "	"

The six samples conformed to the standard of cleanliness prescribed under the Rag Flock regulations, 1912, made under the Rag Flock Act, 1911. The legal maximum of chlorine allowed is 30 parts per 100,000.

SMOKE OBSERVATIONS.

During the year 109 observations were made of factory chimneys for the purpose of detecting offences under the Act. Five notices were sent and amendments carried out to stop the nuisance.

AMUSEMENT HOUSES.

95 visits were made to theatres, music halls, cinemas and premises where stage plays are given. Attention was given to the ventilation of the halls, sanitary conveniences, structure and cleanliness of the dressing rooms. A report is submitted to the Licencing Authorities annually. Notices were issued for the conditions and defects found.

KEEPING OF ANIMALS.

124 inspections were made in connection with the keeping of animals. There were 17 premises including institutions, where pigs were known to be kept in the Borough.

2 notices were served to abate nuisances arising from various causes in connection with the keeping of pigs and 10 notices were served to abate nuisances in connection with the keeping of other animals.

BYELAW - NUISANCES FROM DOGS.

In connection with the fouling of footpaths by dogs a number of warnings have been given.

NOISY ANIMALS BYE-LAW.

Action was taken in 7 instances and the nuisance was abated.

SCHOOLS.

132 inspections of schools and school lavatories were made during 1939.

The water supply in all cases is from the mains.

INSPECTION OF WATERCOURSES, ETC.

During the year 77 visits were made to ditches, watercourses etc., in order to see whether there were any infringements of the several Acts etc.

PHARMACY AND POISONS ACT, 1933.

The Act consolidates the Poisons and Pharmacy Acts from the year 1852. The object is to regulate the sale of certain poisonous substances and the Act contains important provisions.

During the year the number of applications granted for the entry of names on the List of Persons entitled to sell Poisons under Part 11 of this Act was 13, and application was made and granted for entry into the list of the names of 22 deputies. In addition, 263 applications were made for the retention of names on the list for a further period of twelve months.

No infringements of the Act were found.

FERTILISERS AND FEEDING STUFFS ACT, 1926.

6 inspections of premises where fertilisers and feeding stuffs were sold and carried out during the year, and no infringement of the Act was found.

DISINFECTION

The Borough Disinfecting station is situate at Factory Lane.

Two steam disinfectors are in use and are supplied with steam from the refuse destructor.

A Cleansing Station, consisting of reception rooms, four baths and discharge room, is attached to the Disinfecting Station and is used for dealing with verminous conditions in children and adults. A women attendant deals with school children and women.

The following articles were disinfected at the Disinfecting Station during the year:-

By Steam	49,918 articles.
By Formalin gas	2,753 "
By Formalin Spray	1,593 "
	<hr/>
	54,264

In addition 1,006 articles were destroyed on request.

Disinfection after infectious or contagious disease was carried out in

- 1,343 rooms at 973 houses
- 15 class rooms
- 86 hospital wards
- 693 hospital clinic and creche rooms
- 20 vehicles
- 3 school departments
- 5 huts
- 4 offices
- 3 tents

Disinfecting of bedding and other upholstered goods is carried out for traders who deliver to and collect articles from the station. For this service a charge is made.

During 1939 899 such articles were disinfected, the receipts for this work amounting to £35. 14. 0.

DISINFESTATION

Disinfestation by Hydrogen Cyanide is carried out in certain cases before tenants occupy Corporation houses.

Two specially built furniture vans are used. The furniture and effects are collected and taken to the Disinfecting Station, here the contents, still in the vans, are treated with Cyanide for the required time. The van doors are then opened and the air extracted by means of fans in the van roof. The whole of the furniture etc. is now removed to the open air, any packed goods are opened out, clothes shaken and upholstered furniture beaten to remove any traces of gas. Frequent chemical tests are made to ascertain that no gas is left in the articles.

The furniture and effects are re-packed into the vans and delivered to the new address.

The air in the van and also the articles are chemically tested at the place of delivery.

Bedding is treated by steam disinfection and delivered in a second van to the house.

FOOD SUPPLY.

The supervision and inspection of the food supplies is carried out by eighteen of the district inspectors who are qualified in food inspection.

The Public Slaughterhouses are under the control of the Superintendent who also acts under the supervision of the Chief Sanitary inspector.

During the year there were 33-287 animals slaughtered for human consumption.

The following table shows the premises in the Borough at which foodstuffs are known to be sold, manufactured or stored:-

General Shops	209
Grocers and Provision Shops	761
Greengrocers and Fruiterers	553
Confectioners, Bakers and Pie Makers.	592
Ice-Cream Shops	274
Hotel and Restaurant Kitchens and Dining Rooms	371
Butchers	282
Fishmongers (including fried fish shops)	204
Ham and Beef shops	110
Sweet Manufacturers	11
Other food premises	40
	<hr/> 3407

In addition to the premises in the above table, there are the following food premises, referred to in other paragraphs of this report: - Slaughterhouses and dairies, cowsheds and milkshops on the registers. Further, there are a large number of stalls and barrows used for food purposes in different areas in the Borough and forming street markets. There are also barrows and other vehicles which are used by hawkers, etc., for the selling of food stuffs, but it is difficult to estimate the actual number in use, as this varies daily. All these barrows and vehicles, wherever found, are inspected by the food inspectors.

A watch has been kept especially for street traders who frequent the public Elementary Schools when the children are going in and coming out, and who trade toys, sweets, etc., for old clothing. Proceedings were taken in one instance and a fine with costs incurred of £4. 0. 0.

PUBLIC SLAUGHTERHOUSES, PITLAKE, AND MEAT INSPECTION.

These slaughterhouses, although the buildings were not originally intended for such, comprise twelve slaughterhouses with lairage attached. In addition, a gut cleaning firm utilises one building on the premises. Of the twelve slaughterhouses, nine with lairage attached were let on agreement to tenant butchers, and the remainder were used for public slaughtering, for which head rate tolls are charged.

The following animals were slaughtered at the Public Slaughterhouses during 1939:-

Pitlake.

Public Slaughterhouses	<u>Cattle</u>	<u>Calves</u>	<u>Sheep</u>	<u>Pigs</u>	<u>Total</u>
Public section	277	523	846	1801	3447
Private Section	1031	1722	8400	11175	22234
TOTALS	1308	2245	9252	12976	25781

The whole of the meat and offal is examined before it leaves the premises.

The following meat and offal from the Public Slaughterhouses was surrendered and destroyed during the year 1939.

<u>Description</u>	<u>Cause.</u>
11 beef carcasses and offals	General tuberculosis
2 " forequarters	Localised tuberculosis.
19 " parts	"
33 " Offals, complete	Tuberculosis
105 sets beef lubgs	Localised tuberculosis
33 beef heads	" "
22 " various offals	" "
4 " heads	Actinomycosis
2 " carcasses and offals	Septicaemia
2 " various parts	Inflammatory etc.
56 " various offals	Inflammatory conditions etc.
3 veal carcasses and offals	General tuberculosis
2 " heads	Tubercular
8 " offals, complete	"
10 " plucks	"
6 " carcasses	Immaturity etc.
7 " various offals, etc	Inflammatory etc.
1 " part	" "
14 pig carcasses and offals	General tuberculosis
4 " various parts	Localised tuberculosis
140 " heads	" "
10 " plucks	" "
7 " various offals	" "
119 " offals, complete	Tubercular
7 " carcasses and offals	Swine fever
9 " carcasses and offals	Acute swine Erysipilas
16 " carcasses and offals	Inflammatory conditions etc.
88 " plucks	" "
564 " various offals and 10 parts	" "
15 " carcasses and offals	Oedema and emaciation
4 sheep carcasses and offals	" "
4 " parts	Inflammatory etc.
5 " plucks	Parasitical etc.
9 " various offals	" "

Total weight destroyed: 22,542

PRIVATE SLAUGHTERHOUSES AND MEAT INSPECTION

At the end of 1939 there were three registered slaughterhouses in the Borough. Registered Private Slaughterhouses have in recent years been gradually reduced from 6 to 3. In two instances they have been accommodated at the Public Slaughterhouses. The number of visits paid to the Private Slaughterhouses for the purpose of inspecting the meat during 1939 was 668.

The number of animals slaughtered in the Private Slaughterhouses during the year was:-

<u>Cattle.</u>	<u>Calves.</u>	<u>Sheep</u>	<u>Pigs</u>	<u>Total</u>
107	1333	2525	3547	7506.

The following meat and offal from Private Slaughterhouses was surrendered and destroyed during 1939

<u>Description.</u>	<u>Cause.</u>
1 beef part	Localised tuberculosis
1 beef head	" "
5 " sundry offals	" "
7 " sundry offals	Parasitical etc.
2 veal plucks	Localised tuberculosis
2 " plucks	Inflammatory
2 pig carcasses and offals	General tuberculosis
40 " heads	Localised tuberculosis

Description.

12 pig plucks	Localised tuberculosis
17 " sundry offals	" "
8 " plucks	Inflammatory etc.
30 " offals (various)	" "
5 sheep sundry offals	Parasitical etc.

Total weight destroyed: 1,314.lbs.

Total number of animals slaughtered for human consumption in the Borough during 1939:-

<u>Cattle</u>	<u>Calves</u>	<u>Sheep</u>	<u>Pigs</u>	<u>Total</u>
1415	3578	11,771	16,523	33,287

Summary of whole carcasses destroyed with the reasons for such destruction.

<u>Class of Animal.</u>	<u>Tuber- culosis</u>	<u>Emaciated and Dropsical</u>	<u>Inflam- matory conditions</u>	<u>Immaturity</u>	<u>Swine fever</u>	<u>Acute swine Erysipelas</u>	<u>Jaundice</u>	<u>Septicæmia</u>	<u>Putrefac- tion</u>	<u>Unsound</u>	<u>Total carcasses</u>
Cattle	11	-	-	-	-	-	-	3	-	-	13
Calves	3	1	3	3	-	-	-	-	-	-	9
Sheep	-	29	-	-	-	-	-	-	2	72	103
Pigs	16	15	14	-	7	9	1	-	1	-	63
TOTALS	30	45	17	2	7	9	1	2	3	72	188

Carcasses inspected and condemned.

	<u>Cattle</u>	<u>Calves</u>	<u>Sheep & Lambs</u>	<u>Pigs</u>
Number killed	1415	3578	11,771	16,523
Number inspected	1415	3578	11,771	16,523
All diseases except tuberculosis:				
Whole carcasses condemned	2	6	4	47
Carcasses of which some part or organ was condemned	66	10	25	696
Percentage of the number inspected affected with disease other than tuberculosis	4.8	0.44	0.24	4.5
Tuberculosis only				
Whole carcasses condemned	11	3	-	16
Carcasses of which some part or organ was condemned	161	20	-	235
% of the number inspected affected with tuberculosis	12.1	0.64	-	1.5

General Food Inspection.

The following table gives a summary of the inspections made during the year (not including visits made to slaughterhouses or dairies, cowsheds and milkshops):-

Butchers	1723
Fishmongers	153
Fried Fish Shops	137
Grocers	520
Greengrocers	258
Poultry and Game Dealers	92
Cooked and Prepared Meat Shops	289
Bakers' Premises	161
Confectioners Premises	390
Markets	494
Hawkers carts and barrows	111
Hotel and other Kitchens etc.	352
Ice Cream Manufacturers and Vendors.	550
General Shops	198
Other premises	35

5463

The following articles of food were surrendered and destroyed during 1939:-

97 beef parts and trimmings (Imported)	Unsound
29 lbs. beef kidneys	"
44 lbs. beef livers	"
20 lbs calf livers	"
1259 lbs mutton parts	"
99 mutton carcasses	"
2028 lbs lambs liver etc.	"
187 lbs tinned ham	"
41 lbs pig kidneys etc.	"
439 lbs rabbits	"
208 lbs herrings, haddock etc.	"
69 lbs butter	"
116 tins salmon etc	"
1022 tins etc. pineapple, plums, beans etc.	"
190 tins milk and cream	"
98 bottles soup, sauce etc.	"
37 tins beef etc.	"
220 lbs bacon.	"
883 lbs. sweets etc.	"

Total weight destroyed 13,794. lbs.

General Summary of Meat and other articles destroyed during the year 1939.

Articles	Weight in lbs.			Remarks.
	Diseased	Unsound	Total	
Beef	8237	3618½	12,055½	Including 13 carcasses
Veal	241	42	283	" 9 "
Mutton	1655	2258	3,913	" 103 "
Pork	6788	142	6,930	" 63 "
Offal	8555½	1741½	10,297	" imported offal
Fish	-	208	208	Herrings etc.
Tinned Goods	-	1917½	1,917½	1366 tins, 80 jars etc.
Sundries	-	2046½	2,046½	Ham, Rabbit, Sweets
	25,476½	12,173½	37,650	

MILK

Enquiries show that approximately 21,806 gallons of milk are sold daily in the Borough. Of this amount 96% is bottled, just under 4% is loose, which is sold wholesale, and the remaining small portion, namely 3 gallons, is retailed as loose milk. These figures are interesting in view of the fact that fourteen years ago the whole of the milk sold was distributed loose. The sale of this type of milk, whether in shops or on rounds, is discouraged.

MILK AND DAIRIES (CONSOLIDATION) ACT, 1915; THE MILK AND DAIRIES AMENDMENT ACT 1922, THE MILK AND DAIRIES ORDERS, 1926, AND THE FOOD AND DRUGS ACT, 1938.

Cowkeepers, Dairywomen and Purveyors of Milk.

The following statement shows the number of Cowkeepers, Cowsheds, Dairies and Purveyors of Milk premises on the register:-

Cowkeepers on register (1938)	9
" added to the register (1939)	-
" discontinued 1939	-
Net.	9
 Cowsheds on register (1938)	 15
" added to register (1939)	-
" discontinued (1939)	-
Net.	15
 Number of cows provided for	 204
Average no. of cows in sheds (1939)	158
No. of dairies and purveyors of milk on register 1938.	383
No. of dairies and purveyors of milk added to register, 1939.	20
No. of dairies and purveyors of milk discontinued 1939.	130
Net.	273
 Grand total of cowsheds, dairies and purveyors of milk on register 31st December, 1939.	 288

During the year 597 inspections were made of dairies, cowsheds and milkshops.

Mr. P. Thrall, the part-time veterinary surgeon, makes quarterly reports on his visits to farms and his examination of cattle thereon.

Milk (Special Designations) Order, 1936.

B The following licences were granted during the year under this order.

1. Producers' Licences to use the designation "Accredited"	2
2. Dealers' Licences to use the designation "Tuberculin Tested"	
(a) Bottling establishments	1
(b) Shops	12
3. Dealers' Licences to use the designation "Accredited".	
(a) Bottling Establishments	-
(b) Shops	-
4. Dealers' Licences to use the designation "Pasteurised".	
(a) Pasteurizing establishments.	2
(b) Shops.	51

5. Dealers' Supplementary Licences to use the designation:-

(a)	Tuberculin-Tested	4
(b)	Accredited	1
(c)	Pasteurised.	3

Inspection of these licenced premises has been carried out regularly during the year to see that the conditions of the licences were observed.

During the year the following samples were examined under the Milk (Special Designations) Order, 1936:-

Tuberculin Tested Milk-		
Licenced country producers supplying milk to	licenced local dairymen.	4
Accredited Milk-		
Licenced local producers supplying milk to a	licenced dairyman	20
Pasteurised Milk-		
Samples from licenced dealers		162

The following tables summarise the result of the bacteriological examinations of Tuberculin Tested, Accredited and Pasteurised samples during the year:-

TUBERCULIN TESTED (Licences granted under the Milk (Special Designations) Order 1936	Present	Absent	Present in 1/100 m.l.	Absent	Present	Absent	Present	Absent	Exceeding a trace	Not ex- ceeding a trace	Satisfied test
Tubercle bacillus		4		4							
Bacillus Coli				4							
Blood						4					
Pus							4				
Detritus										4	
Methylene Blue Test											
Total		4		4		4		4		4	4

The above 4 Tuberculin Tested milk samples contained total bacteria per m.l. as follows:-

Under 5,000	3
Over "	1

Under the Regulations Tuberculin Tested Milk shall satisfy a methylene blue reduction test and contain no coliform bacillus in one hundredth of a millilitre

ACCREDITED MILK (Licences granted under the Milk (Special Designations Order 1936)	Present	Absent	Present in 1/100 m.l.	Absent	Present	Absent	Present	Absent	Exceeding a trace	Not exceeding a trace	Satisfied	Not satisfied
Tubercle bacillus	5	15										
Bacillus Coli			2	18								
Blood						20						
Pus							20					
Detritus								2	18		15	5
Methylene Blue Test												
	5	15	2	18		20	20	2	18		15	5

- 45 Samples from a local Accredited Producer's farm proved to be tuberculous. After systematic sampling of the herd two cows were found to be giving tuberculous milk and were slaughtered under the Tuberculosis order.

The following tables summarise the results of the bacteriological examinations of Pasteurised Milk Samples during the year:-

PASTEURISED MILK
(Licences granted under
the milk (Special
Designations) Order
1936)

	Present	Absent	Over 100,000 per m.l.	Under 100,000 per m.l.	Present	Absent	Present	Absent	Present	Absent
Tubercle bacillus		162								
Total number of bacteria			6	156						
Blood						162				
Pus							162			
Detritus										162
		162	6	156		162	162			162

The above 162 Pasteurised Milk samples contained bacteria per m.l. as follows:-

Under 1,000	6
1,000 - 5,000	36
5,000 - 10,000	30
10,000 - 20,000	41
20,000 - 30,000	18
30,000 - 50,000	13
50,000 - 100,000	12
Over 100,000	6
	<u>162</u>

Under the Regulations Pasteurised Milk must not contain more than 100,000 bacteria per millilitre.

PROVISION AS TO MILK SUPPLY.

During the year 259 samples of ordinary milk were procured and submitted to examination for tuberculosis in accordance with the Milk and Dairies (Consolidation Act, 1915).

Those samples were taken as follows:-

Samples taken at cowsheds in the Borough	14
Samples in course of delivery from country cowsheds to local dairymen and purveyors of milk in the Borough	20
Samples taken at dairymen's premises in the Borough	146
Samples taken in course of delivery by local dairymen or milk sellers on their rounds in different parts of the Borough.	79

Nine samples proved to be tuberculous. Six samples were from supplies coming from Sussex and three from local farms. A considerable number of cows were examined by the Authorities' Veterinary Officers, suspected animals isolated and samples taken. As a result of their investigations seven animals were dealt with under the Tuberculosis Order, 1925.

The following table summarises the results of the bacteriological examination of ordinary milk samples, taken under the Milk and Dairies (Consolidation) Act, 1915, from 1st January to 31st December, 1939.

ORDINARY MILK	Present	Absent	Over 100,000 per m.l.	Under 100,000 per m.l.	Present	Absent	Present	Absent	Exceeding a trace	Not ex- ceeding a trace	Satisfied	Not satisfied
Tubercle bacillus	9	250										
Total no. of bacteria			40	219								
Blood					2	257						
Pus								259				
Detritus										259		
Methylene Blue Test											219	40
	9	250	40	219	2	257	259			259	219	40

The 259 samples taken under the Milk and Dairies (Consolidation) Act, 1915, were samples of milk which had been produced in the following areas:-

	No. obtained.	No. tuberculous.
Croydon	14	3
Kent	-	-
Surrey	-	-
Sussex	23	6
¹ Unclassified	222	-

- ¹ These samples could not be classified owing to the fact that it was mixed milk of large dairy firms or wholesale purveyors of milk, who obtain their milk from practically all the areas mentioned in the above table.

BACTERIOLOGICAL EXAMINATIONS OF ICE CREAM.

In addition to chemical analyses as shown under the Food and Drugs Act section, bacteriological examination of ice cream was carried out in 44 instances, mainly at producers premises. Suggestions were made to producers as to the conduct of the business, the provision of new or additional plant was made, and considerable improvements were indicated in consequence of the action taken.

FOOD AND DRUGS (ADULTERATION) 1928 ACT AND FOOD AND DRUGS ACT, 1938.

During the year 386 samples of milk (384 new 2 condensed) and 821 other samples were taken.

In 1 instance the vendor was warned.

14 samples of ice cream were taken during the year. The Public Analyst reports that 4 of these samples contained fat in amounts varying from 2.1 % to 9.8 %; 10 contained fat in amounts varying from 10.2 % to 14 %

SUMMARY OF SAMPLES.

During 1939 samples were obtained and submitted to the Public Analyst as follows:-

<u>Samples of</u>	<u>Total</u> <u>Samples</u>	<u>Genuine</u>	<u>Not</u> <u>Genuine</u>	<u>Prosecutions</u>	<u>epn-</u> <u>Victims</u>	<u>Cautions</u>
Milk	384	370	14	1	-	1
Condensed Milk	2	2				
Arrowroot	11	11				
Aspirin Tablets	9	9				
Bacon	12	12				
Baking Powder	7	7				
Beer	6	6				
Bicarbonate of Soda	1	1				
Black Pudding	3	3				
Black Treacle	2	2				
Boracic Ointment	6	6				
Bramble Jelly	1	1				
Brandy	2	2				
Brawn	15	15				
Bread	17	17				
Brisket of Beef	1	1				
Bun flour	6	6				
Butter	23	23				
Camphorated Oil	6	6				
Candied Peel	4	4				
Cane Syrup	1	1				
Castor Oil	8	8				
Castor Sugar	1	1				
Cheese	7	7				
Cocoa	13	13				
Cod Liver Oil	7	7				
Coffee	12	12				
Coffee & Chicory	10	10				
Compound Liquorice Powder	1	1				
Compound Syrup of Figs	6	5				
Comp. Tincture of Rhubarb	2	2				
Confection of Senna	4	4				
Cooking Fat	7	7				
Corn Flour	9	9				
Corned Beef	5	5				
Cream Soda	1	1				
Cube Sugar	1	1				
Cream of Tartar	8	8				
Currants	4	4				
Custard Powder	8	8				
Demerara Sugar	18	18				
Dried Apricots	3	3				
Dripping	17	17				
Egg Substitute	4	4				
Faggots	1	1				
Fish Cakes	2	2				
Fish Paste	13	13				
Flour	11	11				
Gin	2	2				
Ginger Ale	4	4				
Ginger Beer	8	7	1			
Ginger Wine	3	3				
Ginger Wine Essence	1	1				
Glycerine	6	6				
Golden Syrup	4	4				
Granulated Sugar	5	5				
Ground Almonds	11	11				
Ground Cinnamon	1	1				

	Total Samples.	Genuine	Not Genuine	Prosecutions	Convictions	Cautions
Ground Ginger	10	10				
Ground Nutmeg	2	(incl. 1 inf)	2			
Ground Rice	12	12				
Ham	3	3				
Honey	11	11				
Ice Cream	14	14				
Iceing Sugar	1	1				
Jam	18	18				
Jellied Veal	2	2				
Lard	10	10				
Lemonade	8	8				
Lemonade Powder	9	9				
Lemon Curd	8	8				
Lemon Squash	4	4				
Liquorice Powder	1	1				
Liver Sausage	7	7				
Malt Vinegar	13	13				
Margarine	15	15				
Meat Paste	13	13				
Meat Pie	2	2				
Minced Beef	20	19	1	1	1	
Mincedmeat	6	6				
Mint Sauce	1	1				
Mixed Pickles	7	7				
Mixed Spice	5	5				
Mustard Mixture	8	8				
Oatmeal	4	4				
Olive Oil	10	10				
Pearl Barley	10	10				
Pepper	11	11				
Pickled Onions	10	10				
Pressed Beef	2	2				
Raisin Wine	3	3				
Rissoles	2	2				
Rum	1	1				
Sausage						
" Beef	24	24				
" Beef Preserved	3	3				
" Luncheon	18	18				
" Pork	12	12				
" Pork Preserved	8	8				
" Smoked	2	2				
Saveloys	5	5				
Sherbet Powder	1	1				
Shredded Suet	6	6	1			
Shredded Suet with Rice Flour	6	5	1			
Spirit Vinegar	1	1				
Sponge Mixture	5	5				
Sweets	16	16				
Syrup of Figs	2	2				
Table Jelly	8	8				
Tapioca	10	10				
Tea	16	16				
Tinned Asparagus	5	5				
Tinned Beans	10	10				
Tinned Cream	5	5				
Tinned Herrings	1	1				
Tinned Peas	14	14				
Tinned Soup	8	8				
Treacle	1	1				
Tincture of Iodine	1	-	1			
Vinegar	6	6				
Whiskey	3	3				
	1207	1185	22	2	1	1

Result of Analysis of New Milk Samples.

SOLIDS NOT FAT (Legal standard is 8.5%)

8.0	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.4
1	4	7	27	127	116	65	29	6	1	1

MILK FAT (Legal standard is 3%)

2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
1	1	1	1	3	6	8	24	50	80	73	40	36	31	11	6

4.1	4.2	4.3	4.4	4.5	4.6	4.8
4	2	2	1	1	2	

Total samples of new milk 384.

The samples of milk for analyses were obtained as follows:-

Country Milk in course of delivery by train to local dairymen	-
Country milk in course of delivery by motor lorry to local dairymen	54
On Milk Rounds	169
"Appeal to Cow" samples.	3
At Shops	140
Taken at Institutions	13
Taken at farms	4
Other samples	1
	<u>384</u>

AVERAGE COMPOSITION OF NEW MILK SAMPLES.

Solids not fat	8.78%
Milk Fat	3.5%

Percentage of new milk samples below legal standard 3.65%

Adulterated samples.

The following is a detailed statement of the adulterated samples and the action taken:-

No.	Sample	Adulteration or Deficiency	Remarks.
347	Milk	Contained 1/3rd of 1 per cent added water	Further samples taken proved genuine.
414	Milk	Deficient in milk fat 3 per cent	
355	Milk	One half of one per cent deficient in milk solids	These samples were taken in connection with samples 237, 276, 277, 278 and 279 reported on last year, and in which fines and costs were incurred.
361	Milk	Deficient in milk solids, 1 1/2%	
622	Milk	Deficient in milk fat 5%	Producer of this milk was prosecuted. Case dismissed.
681	Milk	5% of added water	
683	Milk	Deficient in milk fat 14%	
684	Milk	Deficient in milk fat 10%	
631	Milk	Deficient in milk fat, 8%	From a local producer A cow in the herd was found to be giving milk deficient in fat. Further samples proved genuine.
639	Milk	Deficient in milk fat 18%	
640	Milk	Deficient in milk fat 4%	
722	Milk	Deficient in milk fat 6%	
738	Milk	Deficient in milk fat, 2%	Producers explanation accepted.
812	Milk	Deficient in milk fat 1%	
1163	Tincture of Iodine	Contained Iodine 2.40%, w/v	Manufacturers explanation accepted.

1161.	Ginger Beer	Contained 160 parts per million of benzoic acid	This matter was taken up with the manufacturers. Further samples proved genuine.
1218.	Compound Syrup of figs.	Contained salicylic acid, 0.065%	This matter was taken up with the vendor. The remainder of his stock was withdrawn from sale.
1276	Ground Nutmeg	Contained 8% vegetable bark)	Manufacturers communicated with and explanation accepted. Further samples proved genuine.
10.	" "	(inf) " 6% vegetable bark)	
1018	Chopped suet and flour.	Excessive proportion of flour.	Vendor communicated with and explanation accepted.
197	Beef Suet	Contained 16.9% of flour	Manufacturers communicated with and explanation accepted.
193.	Minced Beef	Contained minced lung 25%	Vendors prosecuted and fines and costs of £8. 2. 0. incurred.

Public Health (Preservatives, etc., In Food) Regulations, 1925 to 1927.

During the course of inspections of food shops particular attention is paid to the above Regulations regarding the marking of foodstuffs to which the Regulations apply.

Open Air Swimming Pool, Purléy Way.

During the year a number of samples for bacteriological investigation have been taken to ensure that the condition of the water was satisfactory.

CROYDON AERODROME.

A number of visits were made during the year to examine foodstuffs under the Imported Food Regulations. Other visits were made under the Public Health Aircraft Regulations.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASE.

Scarlet Fever was less prevalent than in 1939; the largest incidence has been in Woodside, West Thornton, South Norwood, and Addiscombe .

The incidence rate of Diphtheria was 0.81 compared with 1.19 in 1938; most cases occurred in Whitehorse Manor, Bensham Manor, Thornton Heath and South Norwood Wards.

No cases of Small Pox occurred during the year.

There were 39 cases of Puerperal Pyrexia; 24 occurred in the age group 16-25 years and 15 in the age group 26-45 years. A majority of the cases occurred in women having their first confinement.

For particulars regarding the Borough Hospital for Infectious Diseases see page 31.

CASES OF NOTIFIED INFECTIOUS DISEASE, 1939

Notifiable disease.	Cases notified in the whole District. at ages - years								Total cases notified in each Ward.														Total cases notified in the Borough	Total Deaths in the Borough	1939			
	at all ages	Under 1	1 - 5	6 - 15	16 - 25	26 - 45	46 - 65	66 and up	Upper Norwood	Norbury	West Norwood	Brixton	Tottenham	Heath	South Norwood	Woodside	East	Addiscombe	Walthamstow	Manor	Broad Green	Central			Waddon	South	Addington	
																												M	F
Small Pox
Cholera
Diphtheria (inc. Membranous Group)	188	1	52	89	22	21	3	-	4	2	14	25	21	21	13	10	5	25	17	3	20	15	3	170	16	89	109	
Erysipelas	48	-	-	1	3	10	27	7	3	1	5	5	7	6	1	2	2	4	3	3	2	2	2	15	2	26	22	
Scarlet Fever	250	..	92	118	22	15	3	-	16	13	26	13	20	24	29	15	24	12	13	7	18	9	11	230	-	102	148	
Typhus Fever
Enteric Fever (including Paratyphoid)	5	..	1	1	1	2	1	..	..	1	3	..	..	..	..	..	..	1	..	..	..	..	..	4	2	2	3
Erysipelas	39	..	..	..	24	15	..	..	..	..	17	..	2	1	2	..	..	1	6	2	..	6	2	19	..	..	39
Cerebro-spinal Meningitis	2	1	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..
Ophthalmia Neonatorum	13	15	..	..	..	..	..	..	..	..	..	1	2	1	..	..	..	1	7	1	..	..	1	1	2	..	6
Poliomyelitis	3	..	2	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	1	..	..	..	..	4	1	1	2
Encephalitis Lethargica	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dysentery	4	..	3	1	..	2	..	..	..	..	3	1	..	..	..	..	..	..	..	..	..	..	..	5	..	2	2
Malaria
Ac. Primary and Ac. Inf. Pneumonia	60	4	6	5	6	22	9	8	3	1	4	3	4	7	4	3	5	4	3	4	7	6	2	...	24	34	26	
Ac. Polio Encephalitis	1	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..

* Influenzal Pneumonia only. † Not accommodated at Borough Hospital.

Notified Disease.	Incidence Rate per 1,000 population		Housing Conditions.			Case occurring in Institutions in the Borough.	Total cases notified.
			1-3	4-5	Over		
	1939	1938	rooms	rooms	5 rooms.		
Small Pox	-	-	-	-	-	-	-
Diphtheria	0.81	1.19	10	126	32	30	198
Erysipelas	0.20	0.34	1	31	10	6	48
Scarlet Fever	1.03	2.15	8	183	36	23	250
Enteric Fever (inc. Paratyphoid)	0.02	0.02	-	2	-	3	5
Puerperal Pyrexia ...	0.16	0.54	-	6	3	30	39
Cerebro-Spinal Meningitis	0.01	0.029	-	-	-	2	2
Ophthalmia Neonatorum ...	0.06	0.082	-	14	1	-	15
Poliomyelitis	0.01	0.012	-	2	-	1	3
Encephalitis Lethargica..	-	-	-	-	-	-	-
Acute Primary or Acute Influenzal Pneumonia. ...	0.25	0.168	3	40	12	5	60
Dysentery	0.02	0.025	-	1	-	3	4
Polio-encephalitis... ..	0.01	-	-	-	-	1	1

The 1931 Census showed that houses of 1 - 3 rooms formed 4.7% of the total number of houses in Groyan: those of 4 - 5 rooms 51.4% and those with over 5 rooms 43.9%.

PREVENTION AND CONTROL OF TUBERCULOSIS.

I am indebted to Dr. J.C. McMillan, the Assistant Medical Officer of Health for Tuberculosis, for the statistical part of this section of the report.

Notification of Tuberculosis.

One hundred and eighty six cases of Pulmonary Tuberculosis and 45 of Non-Pulmonary Tuberculosis were notified on Form A (primary notifications), of these 121 males and 65 females were Pulmonary cases, 22 males and 23 females Non-Pulmonary. In addition, 35 Pulmonary cases and 13 Non-Pulmonary came to our notice as new cases otherwise than by notification.

The total number of new cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during 1939 by notification or otherwise, was 279, as compared with 332 in 1938, 338 in 1937, 311 in 1936, 333 in 1935, 325 in 1934, 346 in 1933, and 369 in 1932.

221 of these were cases of Pulmonary Tuberculosis; 140 males and 81 females. There were 11 fewer cases of Pulmonary Tuberculosis in males, and 38 fewer in females than in 1938.

There were 31 cases of Non-Pulmonary Tuberculosis among children under 15 years as compared with 25 in 1938. The number of cases in adults was 27 compared with 37 in 1938.

Of the cases notified in 1939, 21 males and 8 females died from the Pulmonary form of the disease during the year, equal to 15.6% of those notified, and 3 males and 2 females from the Non-Pulmonary form.

The incidence rate of Tuberculosis of all forms was 1.14 per 1,000 of the population; for Pulmonary Tuberculosis 0.91 and for Non-Pulmonary 0.23 per 1,000 population. This rate is low as compared with other large centres of population. The Notification rate was 0.94 per 1,000. In 1938 the corresponding figures were 1.36, 1.11, 0.25 and 1.05 per 1,000.

Public Health (Tuberculosis) Regulations, 1930.

Summary of Notifications during the period from the 1st January, 1939 to the 31st December, 1939:-

		FORMAL NOTIFICATIONS.												
		No. of Primary Notifications of New cases of tuberculosis.											Total . Notifications on Form A.	
Age periods		0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and up		Total (all ages)
Pulmonary	Males	-	-	1	1	15	15	30	24	11	16	8	121	134
"	Females	-	-	-	1	15	8	17	14	7	2	1	65	81
Non-pulmonary	Males	-	4	3	5	4	1	3	1	1	-	-	22	22
"	" Females	-	3	4	7	1	2	1	1	2	1	1	23	24

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the period from the 1st January, 1939, to the 31st December, 1939, otherwise than by formal notification.

Age Periods.	0 to 1	1 to 5	5 to 10	10 to 15	15 to 20	20 to 25	25 to 35	35 to 45	45 to 55	55 to 65	65 and upwards	Total Cases
Pulmonary Males	-	1	-	-	1	1	8	5	-	2	1	19
" Females	-	-	-	-	3	4	7	1	-	-	1	16
Non-Pulmonary Males	-	1	2	1	2	-	-	-	-	1	-	7
" " Females	-	1	-	-	1	2	1	1	-	-	-	6

NOTIFICATION REGISTER.

Number of cases of Tuberculosis remaining on the Notification register on the 31st December, 1939:-

PULMONARY			NON-PULMONARY			Total Cases
Males	Females	Total	Males	Females	Total	
597	484	1081	119	121	240	1321

PULMONARY TUBERCULOSIS.

During 1939, 172 new patients were examined at the Clinic and were found to be in the undermentioned stages of the disease on the first examination:-

T.B. minus (sputum negative or absent) . 61 or 35.5
T.B. plus 1 (early cases, sputum positive) 13 or 7.5
T.B. plus 2 (intermediate cases, sputum positive) 64 or 37.2
T.B. plus 3 (advanced cases, sputum positive) 34 or 19.8

172 or 100.0%

This is 17 fewer than in 1938.

AGES AT DEATH FROM PULMONARY TUBERCULOSIS.

Year	0-5	5-15	15-25	25-45	45-65	Over 65	Total
1937	...	2	35	55	40	8	140
1938	...	3	22	46	40	8	119
1939	19	44	30	3	96

In 1939 the death-rate from all forms of Tuberculosis was 0.46 per 1,000 population.

The rate for Pulmonary Tuberculosis was 0.41 and the rate for Non-Pulmonary Tuberculosis 0.05.

Similar figures for 1938 were 0.56, 0.49 and 0.07.

PULMONARY TUBERCULOSIS.

In 1939 there were fewer deaths from Pulmonary Tuberculosis than in 1938, the greatest number occurring in the age group 35-45 years, whereas in 1938 the greatest number occurred in the 25-35 years age group. Apart from the 35-45 age group, there were fewer deaths in all the other age groups than in 1938.

NON-PULMONARY TUBERCULOSIS.

This year the greater proportion of new cases of Non-Pulmonary Tuberculosis occurred in children up to 15 years, 53.4%, and 46.5% in adults. Of the cases occurring in children, 51.6% were in boys; in adults the greater proportion of the cases were in women, 51.8%. 33.3% of the deaths occurred under the age of 10 years compared with 44.4 in 1938.

The diagnoses of the new cases entered in the Notification Register during 1939 were as follows:-

	Male.	Female.
Arm.	3	-
Hip, Ankle & Bladder	1	-
Hip	2	3
Knee	2	1
Dactylitis	-	1
Spine	4	3
Wrist	-	1
Ankle	-	1
Abdomen	5	2
Glands	3	10
Epididymis	3	-
Fallopian Tubes	-	2
Kidney	1	2
Meninges	4	2
Brain & Intestines	1	-
Irido-Cyclitis	-	1
	29	29

DEATHS FROM NON-PULMONARY TUBERCULOSIS.

During 1939, 12 deaths were certified to be due to Non-Pulmonary Tuberculosis, compared with 18 in 1938. The deaths were due to:-

	Males.	Females.	Total.
Tuberculous Meningitis	4	1	5
Tb. Meningitis and Miliary Tb.	1	-	1
Tb. Kidneys	-	1	1
Tb. Kidneys, Prostate, and Testis	1	-	1
Tb. Spine	2	-	2
Tb. Intestines	-	1	1
Tb. Peritonitis	1	-	1
	9	3	12

CO-ORDINATION WITH MEDICAL PRACTITIONERS, AND OTHER BRANCHES
OF THE HEALTH DEPARTMENT.

During the year 205 cases of suspected Tuberculosis were referred by private medical practitioners; 50 were diagnosed as suffering from Tuberculosis and were subsequently notified. In addition, 14 children were referred by the School Medical Service, and 28 cases from the Maternity and Child Welfare section of the Public Health Department. 87% of all notified cases were examined at the Clinic or were seen at the request of the medical attendant at the patient's home, as compared with 83.6% in 1938, 87% in 1937, 78.3% in 1936, 83.9% in 1935, 84.2% in 1934, and 79.3% in 1933.

The number of reports sent in by Insurance medical practitioners on their domiciliary cases (Form G.P.36) was 416.

EXAMINATION OF SPUTUM.

The results of examinations made in 1939 are as follows:-

	For		Totals.
	Clinic	General Practitioners.	
Negative (i.e., tubercle bacilli absent)	907	653	1,560
Positive (i.e., tubercle bacilli present)	592	96	688
Totals	1,499	749	2,248

For each 100 new cases and contacts examined at the Clinic 187 specimens of sputum were examined.

X-RAY WORK.

729 X-ray examinations were made during the year, an increase of 10% over 1938. This is equivalent to 91.1 for every 100 new cases and contacts seen, and compares with a rate of 74.7 in 1938, 68.4 in 1937, 53.6 in 1936, 45.2 in 1935, 40.4 in 1934, and 30.4 in 1933. In addition a certain number of cases who have already been examined at various Hospitals are referred to the Clinic.

During the year the X-ray examinations were carried out at Mayday Hospital. Twelve cases were examined by Tomograph methods.

EXTRA NOURISHMENT.

Provision of special nourishment in the form of milk was granted to 115 selected cases for varying periods during the year, and 61 cases were in receipt of extra nourishment at the end of the year.

INSTITUTIONAL TREATMENT

Pulmonary Cases Treated in Institutions, 1939

	In at begin- ning of 1939			Admitted during 1939			Discharged during 1939			Died during 1939			In at end of 1939		
	Adults			Adults			Adults			Adults			Adults		
	M	F	C	M	F	C	M	F	C	M	F	C	M	F	C
Croydon Boro' Sanatorium, Cheam	54	39	1	82	61	-	91	66	1	5	5	-	40	29	-
Mayday Hospital	22	11	-	67	41	6	45	37	5	29	9	1	15	6	-
Grosvenor	4	2	-	2	3	-	5	5	-	-	-	-	1	-	-
Barrow Hill Colony	-	-	1	2	-	-	1	-	-	-	-	-	1	-	1
Brompton	5	1	-	8	7	-	13	6	-	-	-	-	-	2	-
Papworth	1	-	-	1	-	-	-	-	-	-	-	-	2	-	-
King Edward VII Sanatorium	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-
R.N.H.C., Ventnor	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Royal Chest Hospital	2	4	1	8	8	-	10	11	1	-	1	-	-	-	-
King George's Sanatorium	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Royal National Sanatorium	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Eversfield Chest Hospital	-	-	-	2	-	-	-	-	-	-	-	-	2	-	-
Preston Hall Colony	1	-	-	1	-	-	2	-	-	-	-	-	-	-	-
National Children's San. Harpenden	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-
Winsley Sanatorium	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
Hill End Hospital	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
University College Hospital	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-
Ipswich Borough Sanatorium	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Croydon Borough Hospital, Waddon	-	-	-	5	3	-	5	3	-	-	-	-	-	-	-
	91	57	5	181	126	8	176	130	9	34	15	1	62	38	3

Non-Pulmonary Cases Treated in Institutions, 1939

	In on 1st Jan. 1939			Admitted during 1939			Discharged			Died During 1939			In on 31st Dec. 1939		
	Adults			Adults			Adults			Adults			Adults		
	M	F	C	M	F	C	M	F	C	M	F	C	M	F	C
Meyday Hospital	2	1	1	3	2	6	2	3	5	1	-	-	2	-	2
Royal Sea Bathing Hospital	4	3	3	3	1	3	5	-	1	-	-	-	2	4	5
St. Thomas's Hospital	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
St. Nicholas Hospital	-	-	2	-	-	5	-	-	5	-	-	-	-	-	2
Tait Convalescent Home	-	-	-	-	2	-	-	1	-	-	-	-	-	1	-
Treloar Cripples' Hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Croydon General Hospital	-	-	-	2	2	8	2	1	8	-	1	-	-	-	-
Pyrford	-	-	3	2	-	5	-	-	5	-	-	-	2	-	3
Heritage Craft School	-	-	1	-	-	1	-	-	-	-	-	-	-	-	2
King George's Sanatorium	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Royal National Orthopaedic Hospital	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
St. Vincent's Orthopaedic Hospital	-	-	-	-	1	1	-	-	1	-	-	-	-	1	-
Atkinson Morley Convalescent Hospital	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-
Holland Lodge Convalescent Home	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
	7	4	10	12	9	30	11	5	25	1	1	-	7	7	15

The Immediate Results of Institutional Treatment

The immediate results of treatment of patients discharged from institutions during the year are as follows.

Among the Pulmonary cases 27.7% were classified as early cases; the percentage of early cases receiving treatment in institutions was in women, 9.9%; in men, 16.6%; 51.6% of the total cases were intermediate cases, the males showing an excess in this group - 29.0% males to 22.2% females - and 20.6% were definitely advanced. Of the total Pulmonary cases treated in Institutions 77.7% were potentially infectious.

151 males, 97 females and 4 children, suffering from Pulmonary Tuberculosis, were discharged from or died in Institutions in connection with the Croydon Scheme during 1939.

During the year 86 Clinic cases died; of this number, 25 or 29.1% were seen for the first time in 1939.

The Tuberculosis Clinic and Home Visiting.

The subjoined table gives a summary of the work done in connection with the Clinic.

475 new cases were examined during the year; this is equal to 439 for each 100 deaths from the disease. 191, or 177 for each 100 deaths, were found to be definitely Tuberculous.

The total number of attendances at the Clinic was 5,000. The Tuberculosis Officer paid 171 home visits, and the District Health Visitors 3,035 visits for Clinic purposes. In addition, the Health Visitors made 363 primary visits for the purpose of the Notification Register.

The Tuberculosis Officer paid 70 visits to Mayday Hospital, in a consultative capacity, and there examined 253 patients.

The Croydon Nursing Service, by arrangement with that organisation paid 1,445 visits during the year. Their assistance is a valuable adjunct in the care of domiciliary cases.

Contact Examination.

The contacts of definite cases are urged to attend the Clinic for examination (and subsequent supervision). This is an important preventative measure. During the year 325 contacts were examined, equal to 301 for each 100 deaths, compared with 341 in 1938, or 249 per 100 deaths. Of these, 10 were considered to be Tuberculous. This is equal to a Tuberculous rate per 1,000 contacts of 30.7, compared with 1.14 per 1,000 of the general population. Included in the 10 contacts found to be Tuberculous are 5 who had been under observation from previous years.

569 appointments for examination were offered to new contacts during 1939, but only 325 new contacts attended and were examined.

The Clinic Register of Cases.

The number of cases of Tuberculosis under the supervision of the Clinic at the end of the year was 829. This is equivalent to 3.6 persons per 1,000 of the population.

SUMMARY OF CLINIC STATISTICS FOR 1939

No. of persons on Clinic Register, January 1st, 1939	899
" Notified Cases examined for the first time	64
" Cases sent for an opinion	318
" First attendances, including 29 transfers in	829
" Consultations of T.O. with medical practitioners-	
(a) Personal	29
(b) Other	577
" Visits paid by T.O. to homes of patients	171
" Visits paid by T.O. to Cheam Sanatorium	10
" Visits paid by T.O. to Mayday Hospital	70
" Patients examined by T.O. at Mayday Hospital	253
" Visits paid to homes of patients of Health Visitors	3055
" Visits paid to homes of patients by District Nurses	1445
" Attendances of patients at the Clinic -	
Men	1982
Women.. ...	2299
Children	719
	<hr/>
Total.	5000
	<hr/>

No. of reports received from Panel Practitioners(G.P.36)	416
" Report forms sent to Panel Practitioners(G.P.36)	808
" Reports received from Panel Practitioners on	
Forms G.P.17	-
" Reports received from Panel Practitioners on	
Forms G.P.35.	5
" X-rays taken... ..	729
" Reports made to Ministry of Pensions by the T.O. on general progress of Tuberculosis Discharged	
Ex-Service men..	2
" Cases referred for "Light" treatment	8
" Cases referred to Orthopaedic Clinic	23
" Cases receiving extra nourishment at end of year.	61

No. of Insured patients under Domiciliary Treatment at end of year -	
Pulmonary... ..	207
Non-Pulmonary	10
	<hr/>
Total.	217
	<hr/>

Housing Statistics of Patients.

	Patients Occupying a Separate bedroom.	Patients occupying a Separate bed but not a separate bedroom	Patients not occupy- ing a separate bed.	Totals.
Number of Pulmonary Cases -				
Under 15 years	17	5	-	22
15 years and over ...	525	96	297	918
	542	101	297	940
Number of Non-Pulmonary Cases -				
Under 15 years... ..	35	23	6	64
15 years and over ...	61	13	40	114
	96	36	46	178
Totals ...	638	137	343	1118

The above table gives a summary of the housing conditions found in notified cases. It is seen that 57.6% of the Pulmonary cases and 53.9% of the Non-Pulmonary cases were occupying a separate bedroom. In 31.5% of the Pulmonary and 25.8% of the Non-Pulmonary the sleeping arrangements were not satisfactory.

Forty-two families had been rehoused in Council houses under the scheme begun in 1935 by the end of 1939.

PULMONARY TUBERCULOSIS

The Condition at the end of 1939 of cases discharged from Sanatoria during the years indicated.

	1935		1936		1937		1938		1939		Totals	
	T.B. -	T.B. +	T.B. -	T.B. +	T.B. -	T.B. +	T.B. -	T.B. +	T.B. -	T.B. +	T.B. -	T.B. +
Dead	5 45.5%	46=54.7%	5 37.0%	26=43.3%	1 24.2%	30=33.0%	1 11.2%	11=14.5%	- 3.1%	5=4.5%	12 22.0%	118=27.9%
Working or Fit for Work	19 44.7%	31=37.0%	18 45.2%	20=33.3%	34 56.2%	39=41.7%	30 69.2%	44=57.9%	41 58.4%	53=47.3%	142 55.4%	136=44.0%
Not able to Work	4 9.5%	7=8.3%	1 17.8%	14=23.3%	2 19.5%	25=25.3%	- 19.6%	21=27.6%	8 38.5%	54=48.2%	15 22.6%	119=28.1%
Left District	9	27	17	17	7	27	14	15	2	7	49	93
	37	111	41	77	44	118	45	91	51	119	218	513

SUMMARY OF DENTAL TREATMENT AFFORDED TO TUBERCULOSIS PATIENTS

<u>DISPENSARY</u>	Males	Females	Total
Referred from Dispensary	13	19	32
Treatment cases continued from Cheam.	8	1	9
Attendances	87	72	159
Extractions	51	66	117
Fillings	4	26	30
Dressings	8	4	12
Scalings	8	7	15
Denture Dressings	33	21	54
Dentures Fitted	10	6	16
"Gas" cases (on the recom- mendation of Tuberculosis Officer)	-	4	4

No. of Sessions Treatment: 22.

CHEAM SANATORIUM

Number examined	52	51	103
Referred Treatment	43	48	91
Treated	41	44	85
Attendances	187	137	324
Extractions	62	40	102
Fillings	72	74	146
Dressings	7	1	8
Scalings	28	20	48
Denture Dressings	21	15	36
Dentures Fitted	6	5	11
Mandibular Injections	8	16	24
Repairs to Dentures	3	2	5

No. of Sessions Treatment: 33.

T.B. AFTER CARE COMMITTEE

During 1939 £440 were spent from the After Care Funds for the benefit of the tuberculosis patients and their families.

157 patients received financial aid, bed and bedding were supplied in 18 cases, clothing in 57 cases, extra nourishment in 47 cases and surgical instruments in 29 cases. Fares were allowed to enable relations to visit certain patients receiving treatment in institutions away from Croydon.

In two cases grants were made towards the cost of removal to a Council House when the previous accommodation was unsuitable.

Assistance was given with insurances where these were in danger of lapsing owing to the patients inability to keep up the payments.

The number of patients assisted shows an increase on previous years; particularly marked is the increasing number of grants made for extra nourishment both for the patients and the contact members of the family. The resources of the fund were severely taxed at the time of the evacuation from Mayday and Cheam and certain London Hospital on the outbreak of war. Within a few hours 77 patients were discharged to their homes. In some cases bed and bedding had to be supplied at short notice as the sleeping accommodation was unsuitable and a large number of grants had to be made for extra nourishment. Fares were provided to enable patients to return to their homes in certain instances of patients who had previously been living in lodgings or working in domestic service in Croydon. Three such patients were sent home to Ireland on medical advice.

The help which the Committee was able to render at that time of stress did much to alleviate the very natural anxiety of those patients whose treatment was necessarily interrupted. Fortunately many of these patients have since then been able to resume their treatment.

Once again thanks are due to the many outside Societies for help given to the tuberculous patients and to the Public Assistance Committee and Unemployment Assistance Board for their co-operation in allowing special grants for extra nourishment.

CHEAM SANATORIUM

The Sanatorium is situated in North Cheam and has accommodation for 93 adults patients of both sexes. The beds are allocated as follows: Men, 53 Women, 40.

In-patients on Jan. 1st 1939		Admitted during year 1939		Discharged during year 1939 including deaths		In on Jan. 1st, 1940		Died during year 1939	
M	F	M	F	M	F	M	F	M	F
54	40	89	66	103	77	40	29	5	5

No. of Artificial Pneumothorax cases begun	30
No. of Refills given	1770
No. of X-ray Screenings	1916
No. of Films taken	519
No. of Sputum tests	903
No. of Gas Replacements	13

Immediate Results of Treatment

Group	Total number of cases dis- charged 1939		Qui- escent		Im- proved		No Material Im- prove- ment		Died in institu- tion		Average duration of stay in days	Dis- charged before com- pletion of treat- ment	
	M	F	M	F	M	F	M	F	M	F		M	F
Class T.B. Minus	21	20	16	10	2	2	2	1	1	-	146	-	7
Class T.B. Plus -													
Group 1	8	6	2	2	5	2	-	2	-	-	159	1	-
Group 11	37	37	6	4	21	20	7	6	1	1	248	2	6
Group 111	18	7	-	-	6	2	6	1	3	4	290	3	-
Observation NonT.B.	8	1	-	-	-	-	-	-	-	-	-	-	-
	92	71	24	16	34	26	15	10	5	5	843	6	13

At the beginning of 1939 there were 94 patients in Cheam. During the year 155 were admitted and 170 discharged, whilst 10 died, thus leaving 69 patients in at the beginning of 1940.

There were 14 observation cases sent in: 11 males and 3 females. Of the 11 males 8 were not tubercular, and of the 3 females 1 was not tubercular; therefore there were 9 observation cases in non-tuberculars which are shown above. The 5 that were tubercular are in with the tubercular cases and are not shown as observation.

A.P. cases discharged but still under treatment, 11 males, 6 females (see above) making total discharges: males 103, females 77.

These 17 Artificial Pneumothorax cases only refer to cases discharged in 1939; those discharged in 1938 and still having refills have not been included.

VACCINATION AGAINST DIPHTHERIA.

During the year 1939 the routine employed in this branch of preventive medicine has been considerably modified. Up to September of this year all children over 5 years, and a proportion of these under 5 years, were submitted to a Primary Schick Test, those negative were discharged, and those positive inoculated with one or other of the preparations, a final Schick Test being performed two or three months later. This entailed four or five visits to the Clinic. An analysis of the data, provided by nearly six years of this work in Croydon, showed that in Schools or areas where the incidence of diphtheria had been low, in children over 10 years, less than 75 per cent would be Schick positive; where the diphtheria incidence had been high, in children over 8 years less than 75 per cent would be positive; while in places where there had been a localized outbreak, in children over 5 years, less than 50 per cent would be positive.

Alum precipitated toxoid was used in 1938 and continued during 1939. Of the 43 reactions 35 were mild and occurred after the first injection; 8 were severe, - 7 after the first injection. Of the 8 severe reactions, one occurred in a child of 5 years, 3 in children of 8 years, 3 in children of 9 years and 1 in a child of 14 years.

TABLE I
Showing results obtained by Schick Testing two to three months after two injections of A.P.T.

Age Group	Originally Schick Positive			Cases not given Primary Schick			Total cases treated		
	Number treated	Number still Schick Positive	Schick Conversion rate per cent	Number treated	Number Schick Positive	Schick Negative rate per cent	Number treated	Number still Schick Positive	Schick Negative rate per cent
1-5	128	0	100	270	3	98.8	398	3	99.2
5-8	315	4	98.7	8	0	100	323	4	98.8
8-10	145	0	100	0	0	0	145	0	100
10-14	172	2	98.8	1	0	100	173	2	98.8
1-14	760	6	99.2	279	3	98.9	1,039	9	99.1

TABLE II
Reactions obtained after A.P.T.

Age Group.	Total Cases	Total Reactions	Reactions Per cent.
1 - 5	402	4	0.99
5 - 8	334	11	3.3
8 - 10	154	9	5.8
10 - 14	192	19	9.9
1 - 14	1,082	43	3.9

The Work of the Year.

On January 1st, 1939, 497 cases were awaiting completion of treatment. Of these, 1 completed a course of T.A.M., 13 of T.A.F., and 454 of A.P.T; 29 defaulted.

In 1939, 1020 new cases attended, a decrease of over 500 on the previous year. The cause of this is to be found in the outbreak of war and the evacuation of the child population. Small outbreaks of the disease at Whitehorse, Ecclesbourne and Elmwood Schools were followed, as is always the case by a rush of applications for treatment.

593 of the new 1939 cases were given a Primary Schick test, of which 452 were positive, a percentage of 76; 141 were negative, a percentage of 24; a more detailed Table giving the results of Schick tests at ages is appended - Table III. 427 cases commenced treatment without a Primary Schick test. The new cases were derived from the following sources:-

School Cases	704
Infant Welfare Centre Cases	225
Other cases under 5 years	91.

As will be seen from Table VI the proportion of cases from Infant Welfare Centres has increased this year, a change probably due to the evacuation scheme.

No case in 1939 received T.A.M.; 9 cases received T.A.F.; and 724 A.P.T. This makes a total of 733 completed cases. 87 cases were awaiting completion of treatment on Dec.31st, 1939; 59 cases defaulted.

The 468 cases carried over from 1938 and completed in 1939, together with the 733 cases make a total of 1201 cases completed in 1939. The total number of cases that attended in 1939 was 1488.

7 of the 1938 A.P.T. cases were found to be Schick positive two or three months after their second injection. The reaction noted was very faint. 5 cases were given a further injection and were then found to be Schick negative. One of the 1939 A.P.T. cases was faintly Schick positive; a further injection was given.

272 of the 1939 cases were given a final Schick test; 271 were found to be Schick negative.

The following figures give some further details:-

Total number of sessions held	61
Highest attendance at any one session	118
Lowest " " " " "	11
Average attendance per session	63.

TABLE III
Summary of Results of 593 Primary Schick Tests.

Age Group	Positive	% Positive	Negative	% Negative	Total
Under 5 years.	85	95.5	4	4.5	89
Over 5 under 6	44	90	5	10	49
" 6 " 7	40	95	2	5	42
" 7 " 8	31	86	5	14	36
" 8 " 9	40	83	8	17	48
" 9 " 10	34	77	10	23	44
" 10 " 15	178	62	107	38	285
TOTAL	452	76	141	24	593

TABLE IV
SUMMARY OF WORK OF CLINIC SINCE ITS START.

Year	Total attended for treatment.	New cases attended	No. of sessions held	Av. attend. per session	No. given primary Schick	% Pos. on Primary Schick	No. given post-erior Schick	No. Neg. on post. Schick	% Neg. on Post. Schick.	No. completed treatment.
1934	509	509	-	36	389	-	185	-	-	185
1935	1431	1151	97	58	634	76	781	766	98.8	781
1936	2285	1661	145	61	1215	78	1264	1254	99.2	1264
1937	1894	1286	122	58	1017	86	1222	1215	99.5	1222
1938	2049	1541	115	56	1208	69	1152	1140	98.9	1152
1939	1488	1020	61	63	593	76	678	671	98.9	1201

TABLE V.
SUMMARY OF ATTENDANCES AND TREATMENT 1939.

Under Treatment 1.1.39.	Received T.A.M.	Received T.A.F.	Received A.P.T.	De-faulted	Given Primary Schick test.	No. Positive	% Positive.	No. not given Primary Schick.	Total new cases 1939.
497	1	13	454	29	593	452	76	427	1020

1939 cases completed treatment.	Received T.A.M.	Received T.A.F.	Received A.P.T.	No. given Post. Schick.	No. Neg. on Post. Schick.	% neg. on Post. Schick.	Total cases attended 1939.	Under treatment 31.12.39.	De-faulted.
733	-	9	724	272	271	99	1488	87	59

TABLE VI
ORIGIN AND SOURCE OF CASES ATTENDING.

Year	School		Inf. Welfare C.		Others under 5 years.	
	Total	%	Total	%	Total	%
1934	339	67			170	33
1935	944	66.6	265	18.7	208	14.7
1936	1620	74.8	310	14.3	237	10.9
1937	928	72.2	155	12.0	203	15.8
1938	1179	76.5	130	8.4	232	15.1
1939	704	69	225	22.0	91	9.0

IMMUNIZATION AT RESIDENTIAL SCHOOLS AND HOMES.

The table below gives a detailed analysis of immunization done at the various schools and homes. The large numbers of uncompleted cases is due to the evacuation of the schools and homes.

Name of Institution.	No. not completed, 1938.	No. Primary School.	No. Positive	% Positive	No. given A.P.T.	No. retested.	No. Negative.	% Negative.	Uncompleted	Removed from District.
Fidelis Convent, Central Hill	11	8	8	100%	7	11	11	100%	8	
Infirmiry Convent, Central Hill	8	15	6	40%	5	8	5	62.5%	9	
Russell School	9	28	16	57.2%	16	8	8	100%	16	
St. Jude's Home, Dagnall Park	3	2	1	50%	1	3	3	100%	1	
P.A.C., 386 London Road	10	33	20	60.6%	16	7	7	100%	20	6
Queen' Road Homes					13				13	
	41	86	51		58	37	34		67	6

VACCINATION ACTS

I am indebted to Mr. Huggins, the Vaccination Officer, for the particulars in the returns in subjoined Tables.

Registration Sub-Districts in V.O. District.	Births Registered.	Vaccinated.	Insusceptible.	Statutory Declarations.	Unvaccinated.	P.P.O.	Transferred to other V.O.	Not traced Re-movals.	In Default.	Overage when Registered.
South Sub-District	1521	575	9	636	55	14	46	163	23	-
West "	1547	488	4	724	55	16	19	223	18	-
North "	687	254	2	330	18	6	-	66	9	2
	3755	1317	15	1690	128	36	65	452	50	2

During the year 2,487 Forms Q were sent to parents, and 275 Forms K and 129 Forms K "Final Notices." Form Q is the Form drawing attention to the requirements of the Vaccination Acts and Form K refers to cases in default.

1,108 names were went on the H lists to Public Vaccinators to be visited.

During the past year 38 summonses were taken against parents who had failed to comply with the Vaccination Act.

8 were fined 5s. each;
 13 fined 7/6d "
 4 fined 10s.
 1 " 20s.
 11 adjourned, afterwards withdrawn children vaccinated
 1 not served (moved and could not be traced).

Return showing the Numbers of Persons vaccinated and re-vaccinated at the cost of the Rates by the Medical Officer of the Public Assistance Institutions and the Public Vaccinators during the year ended 30th September, 1939.

Name of Public Assistance Institution or Vaccination District.	Numbers of successful Primary Vaccinations of persons.			No. successful re-vaccinations, i.e., successful vaccinations of persons who had been successfully vaccinated at some previous time.
	Under 1 year of age.	1 year and upwards.	Total.	
Croydon No.1 Area ...	156	32	188	10
No.2 Area ...	133	15	148	5
No.3 Area ...	81	4	85	3
No.4 Area ...	124	22	146	4
No.5 Area ...	235	32	267	2
Addington ...	85	3	88	-
Queen's Road Homes ..	3	1	4	-
Mayday Road Hospital.	-	-	-	-
Children's Homes ...	-	-	-	-
Shirley Schools ...	-	103	103	-
	817	212	1029	24

ORTHOPAEDIC DEPARTMENT

The arrangements are the same as in 1938

Summary of Cases Attending the Orthopaedic Clinic

Jan. 1st 1939			New Cases, 1939			Cases Discharged 1939			Cases on books Dec. 31st. 1939		
M.C.W. S.M.S. Tuberc.			M.C.W. S.M.S. Tuberc.			M.C.W. S.M.S. Tuberc.			M.C.W. S.M.S. Tuberc.		
154	162	50	96	94	23	73	104	16	164	224	68
<u>368</u>			<u>213</u>			<u>193</u>			<u>456</u>		

Cases Seen by the Orthopaedic Surgeon

Defects	School		M.C.W. Tuberculosis				Total	
	Visits		Visits		Visits		Visits	
	Cases	paid	Cases	paid	Cases	paid	Cases	paid
Infantile Paralysis	21	51	4	12	-	-	25	63
Curvature or postural defects	27	68	1	2	-	-	28	70
Pes Cavus	3	7	2	2	-	-	5	9
Pes Planus	71	139	18	41	-	-	89	180
Genu Valgum	25	42	71	147	-	-	96	189
Talipes	7	20	9	27	-	-	16	47
Obstetrical Paralysis	-	-	1	2	-	-	1	2
Joint Disease	14	28	2	2	41A 25S	108A 56S	83	195
Injuries	7	17	3	11	1M	1M	10	28
Rickets	2	2	19	37	-	-	21	39
Wry Neck	8	13	3	7	-	-	11	20
Spastic Paraplegia	11	22	7	16	-	-	18	38
Congenital dislocation of the Hip	4	13	3	7	-	-	7	20
Other Deformities	33	51	21	33	-	-	54	84
	233	473	164	346	67	165	464	984

Summarised, the Table shows 233 school children attended and made 473 attendances; 164 babies made 346 attendances; and 67 tuberculosis cases made 165 attendances; a total of 466 cases, making 984 attendances.

Cases referred from Orthopaedic Clinic for Remedial Treatment and X-Ray at
Croydon General Hospital

Defects	School Cases			M.C.W. Cases			Tuberculosis Cases			Total		
	No. of Cases	No. of Treat- ments	No. of X-Rays	No. of Cases	No. of Treat- ments	No. of X-Rays	No. of Cases	No. of Treat- ments	No. of X-Rays	No. of Cases	No. of Treat- ments	No. of X-Rays
Infantile Paralysis	3	34	1	2	36	-	-	-	-	5	70	1
Curvature or postural defects	13	209	4	-	-	-	-	-	-	13	209	4
Pes Planus	6	16	2	-	-	-	-	-	-	6	16	2
Talipes	-	-	-	3	114	-	-	-	-	3	114	-
Genu Valgum	7	1	1	6	70	1	-	-	-	13	71	2
Joint Disease	5	9	4	1	-	1	43	12	47	49	21	52
Injuries	3	14	2	1	-	2	-	-	-	4	14	4
Rickets	-	-	-	2	1	1	-	-	-	2	1	1
Torticollis	3	22	-	3	5	-	-	-	-	6	27	-
Spastic Paraplegia	2	32	-	1	11	-	-	-	-	3	43	-
Congenital dislocation of the Hip	3	22	2	2	4	-	-	-	-	5	26	2
Other Deformities	3	2	2	5	4	1	-	-	-	8	6	3
	48	361	18	26	245	6	43	12	47	117	618	71

Cases Sent to Residential Institutions

Name of Institution	School Cases			M.C.W. Cases			Tuberculosis Cases			Total			No. in Jan 1st 40
	No. in Jan 1st 39	Adm itted	Disch- arged	No. in Jan 1st 39	Adm itted	Disch- arged	No. in Jan 1st 39	Adm itted	Disch- arged	No. in Jan 1st 39	Adm itted	Disch- arged	
Pyrford	1	-	1	-	3	3	3	6	5	4	9	9	4
Croydon General Hospital	1	4	5	-	3	3	-	8	8	1	15	16	-
Heritage Craft Schools	4	1	1	1	-	1	1	1	-	6	2	2	6
Pinner	2	5	2	-	2	-	-	2	1	2	9	3	8
Lord Mayor Treloar's Hospital	1	1	2	-	-	-	-	-	-	1	1	2	-
Nat. Children's Home, Chipping Norton	1	-	-	-	-	-	-	-	-	1	-	-	1
Wingfield Morris Hosp.	1	-	1	-	-	-	-	-	-	1	-	1	-
Mayday	2	2	3	-	2	2	1A	5S 5A	4S 5A	3	14	14	3
Royal Sea Bathing Hosp.	6A	2A	6A	-	-	-	-	-	-	8	5	6	7
Birchington	-	1	-	-	-	-	1S	1S	-	1	2	-	3
Royal National Orthopaedic	-	1	1	-	-	-	-	1A	-	-	2	1	1
Victoria Home	1	1	1	-	-	-	-	-	-	1	1	1	1
Burrow Hill Colony	-	-	-	-	-	-	-	1A	1A	-	1	1	-
	22	21	23	1	10	9	6	30	24	29	61	56	34

Conditions for which Patients were admitted to Hospitals and the results of treatments.

Condition	In on Jan 1st 1939	Ad- mitted	Discharged				Died	In on Jan 1st 1940
			Cured	Im- proved	Im- proved	I.S.Q.		
Infantile Paralysis	2	4	-	3	1	1	-	1
Tubercular Joint Disease	14	34	1	10	12	5	2	18
Other Joint Disease	8	4	1	4	2	-	-	5
Hemiplegia	1	1	-	-	-	-	-	2
Genu Valgum	-	1	1	-	-	-	-	-
Congenital dislocation of Hip	-	4	-	1	1	-	-	2
Talipes	-	2	-	-	1	-	-	1
Rickets	-	3	2	1	-	-	-	-
Other Deformities	-	3	2	-	-	-	-	1
Spastic Paraplegia	-	2	-	-	-	1	-	1
Scoliosis	1	-	-	1	-	-	-	-
Injury	-	1	1	-	-	-	-	-
	26	59	8	20	17	7	2	31

The percentage of cures in cases discharged was 15 per cent., whilst 38 per cent. were much improved.

CANCER

Deaths from Cancer numbered 414 as compared with 380 in 1938; 421 in 1937; 421 in 1936; 321 in 1935; 371 in 1934; 374 in 1933; 341 in 1932; 342 in 1931; 339 in 1930; 330 in 1929; and 327 in 1928.

Death-rate per 1,000 of the population for the previous 11 years are as follows:-

1928 - 1.54 (327)	1934 - 1.54 (371)
1929 - 1.48 (330)	1935 - 1.33 (321)
1930 - 1.52 (339)	1936 - 1.75 (421)
1931 - 1.46 (342)	1937 - 1.74 (421)
1932 - 1.44 (341)	1938 - 1.56 (380)
1933 - 1.56 (374)	1939 - 1.78 (414)

Table I.

Deaths from Cancer occurred at the following ages:-

Age period	Male	Female	Total
Under 25 years	3	-	3
25 and under 35 years	2	3	5
35 and under 45 years	7	12	19
45 and under 65 years	64	99	163
65 years and over	102	122	224
	178	236	414

Table II.

Sites of fatal Cancer.

Site	Male	Female	Total	Percentage of Total
Skin	5	2	7	1.691
Tongue and Mouth	4	2	6	1.449
Tonsil	2	1	3	0.725
Oesophagus	4	5	9	2.174
Stomach	42	28	70	16.908
Liver	4	10	14	3.382
Bowel	16	41	57	13.768
Rectum	16	17	33	7.971
Bladder	5	3	8	1.932
Prostate	11	-	11	2.657
Larynx	7	2	9	2.174
Uterus	-	28	28	6.763
Breast	-	45	45	10.869
Ovary	-	10	10	2.415
Pancreas	10	8	18	4.348
Gall Bladder and Duct	3	3	6	1.449
Bones	4	2	6	1.449
Lungs	32	12	44	10.628
Kidneys	2	4	6	1.449
Antrum	-	2	2	0.483
Lymphatic Glands	2	-	2	0.483
Pharynx	-	1	1	0.242
Genital Organs	1	3	4	0.966
Thyroid	1	2	3	0.725
Spine	2	-	2	0.483
Parotid Gland	-	1	1	0.242
Brain	1	-	1	0.242
Muscle	-	1	1	0.242
Abdomen	-	1	1	0.242
Blood vessels	2	-	2	0.483
Indefinite	-	1	1	0.242
Mediastinum	2	1	3	0.725
	178	236	414	

Comments on Foregoing Table.

The organs most often attacked in descending order of incidence are, in males the Stomach (23.6); the Lungs (18.0); the Rectum and Bowels (18.0); in females, the Bowels and Rectum (24.6); the Breast (19.0); the Stomach (11.9) and the Uterus (11.9). (Figures quoted are percentages)

BLIND PERSONS ACT, 1920.

Close co-operation has been maintained with the Croydon Voluntary Association for the Blind. The Blind persons residing in Croydon are now visited at regular and frequent intervals by the Health Visitors and any circumstances in their reports justifying further investigation are followed up.

I am indebted to the Secretary of the Voluntary Association for the figures below:-

Number of blind on Register	405
Number of blind who benefit from instruction in Braille or Moon type (including those who already read)	91
Number of blind who benefit from pastime instruction	51
Number in remunerative handicrafts	
(a) Home workers	37
(b) In workshops	4
(c) St. Dunstan's	8
(d) Workers not included in scheme	17
Home Teacher	1

The Health Visitors paid 777 visits to blind persons during the year.

The following table shows: (a) the number of blind persons registered: (b) the ages at which blindness occurred: (c) the method of training: (d) the occupations of employed blind persons: (e) the defective blind: and (f) the unemployable blind persons in homes, mental hospitals or institutions.

M. - Males.
F. - Females.
T. - Total.

WELFARE OF THE BLIND - REGISTRATION. As at 31/3/40.

Age Period 0-1	Age Period 1-5	Age Period 5-15	Age Period 16-21	Age Period 21-40	Age Period 40-50	Age Period 50-65	Age Period 65-70	Age Period 70 & over	(i) Total of all age Groups (ii) Age unknown.
M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T
- - -	- 1 1	8 3 11	2 1 3	25 25 50	30 19 49	48 57 105	19 27 46	49 89 138	(i) 181 222 403 (ii) - 2 2

Ages at which Blindness Occurred.

Age Period 0-1	Age Period 1-5	Age Period 5-10	Age Period 10-20	Age Period 20-30	Age Period 30-40	Age Period 40-50	Age Period 50-60	Age Period 60-70	Age Period 70 and over	Age Period unknown
M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T	M F T
23 15 38	6 9 15	10 8 18	12 6 18	14 16 30	27 22 49	23 34 57	20 32 52	21 32 53	10 33 43	15 17 32

In Schools for the Blind	Normal		Mentally Defective		Physically Defective		Employed												Undergoing Training									(h) Trained But Unemployed																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
	M	F	M	F	M	F	By Blind Organisations						(c) All others not included in (a) and (b)			(d) Total Employed			(e) Industrial			(f) Secondary			(g) Professional and University																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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(i) No training but trainable	(j) Unemployable	(k) Total
M F T	M F T	M F T
1 1 1	122 202 324	173 220 393

Occupations of Employed Blind Persons.

	Agents, Collectors etc.	Basket Workers	Mattress Makers	Machinists	Upholsterers	Boot Repairers	Braille Copyists and Proof readers	Brushmakers	Carpenters and Woodworkers	Chairseaters	Clerks and Typists	Coal bag makers	Dealers, Tea agents Newsagents, Shop- keepers.	Firewood workers.	Gardeners	Hawkers, News vendors etc.	Home Teachers	Hand Knitters	Machine	Labourers	Massage	Mat makers	Ministers of Religion.	Musicians & Music teachers	Netting makers.	Porters, packers cleaners.	Poultry Farmers.	School teachers	Ships Fender (Pender) makers	Telephone Operators	Tuners	Weavers	Miscellaneous.	TOTAL
Within Institution for the Blind		3	1														1		1					1	1			3				1	12	
In approved Home Workers Schemes		4				1			5				1						10		1	2		1						12			37	
Others (not pastime workers						1				1			4			1			1		1	2	2	1	1		1			2			18	
Total		7	1			2			5	1		4	1		1	1	1		12		2	4	2	3	2		1	3		2	12	1	67	

(a)			(b)			(c)			Combinations			Combinations			Combinations			Combinations			Total			Homes for the Blind			Mental Hospitals			Poor Law Institutions		
Mentally Defective			Physically Defective			Deaf (i) Deaf mute (ii)			of (a) & (b).			of (a) & (c)			of (b) & (c)			of (a) (b) & (c).														
M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
1	2	3	4	4		(i) 3		3													4	9	13	3	3	1	2	3	7	15	22	
						(ii) 1		1	1		1	1			-	-	-	-	-	-												

LONDON TERMINAL AERODROME.

Aliens Act, 1930.

Medical Officer's Return for January to
August, 1939.

<u>Number of Planes.</u>		<u>Arrived from</u>				
Arr.	Seen.	Paris	Amsterdam	Brussels	Elsewhere	
Total	6,107	2,465	2,895	1,324	623	1,265

Passengers.

British.	Others	Inspected	Exd.
32,284	36,131	28,121	2,153

The Airport was closed on the outbreak of the War.





GROUP III (con.)

- (i) Tonsils only. (ii) Adenoids only. (iii) Tonsils and adenoids.
(iv) Other defects of the nose and throat.

GROUP IV - Orthopaedic and Postural Defects.

	Under the Authority's Scheme			Total number treated
	Residential treatment with education (i)	Residential treatment without education (ii)	Non-Residential treatment at an orthopaedic clinic. (iii)	
Number of children treated	24	12	140	162

TABLE V - DENTAL INSPECTION AND TREATMENT

- (1) Number of children inspected by the Dentist -

(a) Routine age-groups:

AGE	5	6	7	8	9	10	11	12	13	14 up.	Total
NUMBER	547	896	821	934	1053	1059	1229	1034	890	448	8910

(b) Special 1118

(c) TOTAL (Routine and Specials) 10028

(2) Number found to require treatment 7294

(3) Number actually treated 4964

(4) Attendances made by children for treatment 12591

(5) Half-days devoted to:

Inspections 98

Treatment 1480

Total 1578

(7) Extractions:

Permanent Teeth 2182

Temporary Teeth 8979

11161

(6) Fillings:

Permanent Teeth 6240

Temporary Teeth 656

6896

(8) Administration of general anaesthetics for extraction 2701

(9) Other Operations:

Permanent Teeth 3295

Temporary Teeth 570

3865

TABLE VI - UNCLEANLINESS AND VERMINOUS CONDITIONS

(i) Average number of visits per school made during the year by the School Nurses 7.0

(ii) Total number of examinations of children in the Schools by School Nurses 33169

(iii) Number of children found unclean 526

(iv) Number of children cleansed under arrangements made by the Local Education Authority 120

(v) Number of cases in which legal proceedings were taken:

(a) Under the Education Act, 1921 111

(b) Under School Attendance Byelaws 111

APPENDIX B.

SECONDARY SCHOOLS.

Year ended 31st December, 1940.

TABLE I.

RETURN OF MEDICAL INSPECTIONS.

A. - Routine Medical Inspections.

				Year 1940	Year 1939
Age 11 or under	...	...		119	30
12	...	...	...	128	48
13	...	...	...	138	251
14	...	...	...	79	407
15	...	...	...	41	435
16	...	...	...	32	261
17	...	...	...	12	42
18 or over	...	...		3	9
Total				552	1483

B. - Other Inspections.

	Year 1940	Year 1939
Number of Special Inspections	53	120
Number of Re-inspections	357	704
	410	824
Visits to Secondary Schools	29	70