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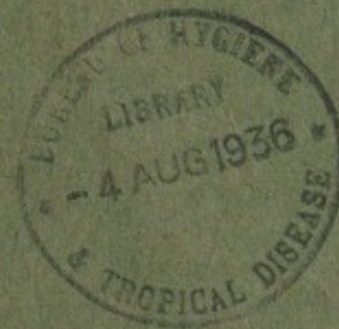


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COUNTY BOROUGH OF WEST BROMWICH.



Annual Report

OF THE

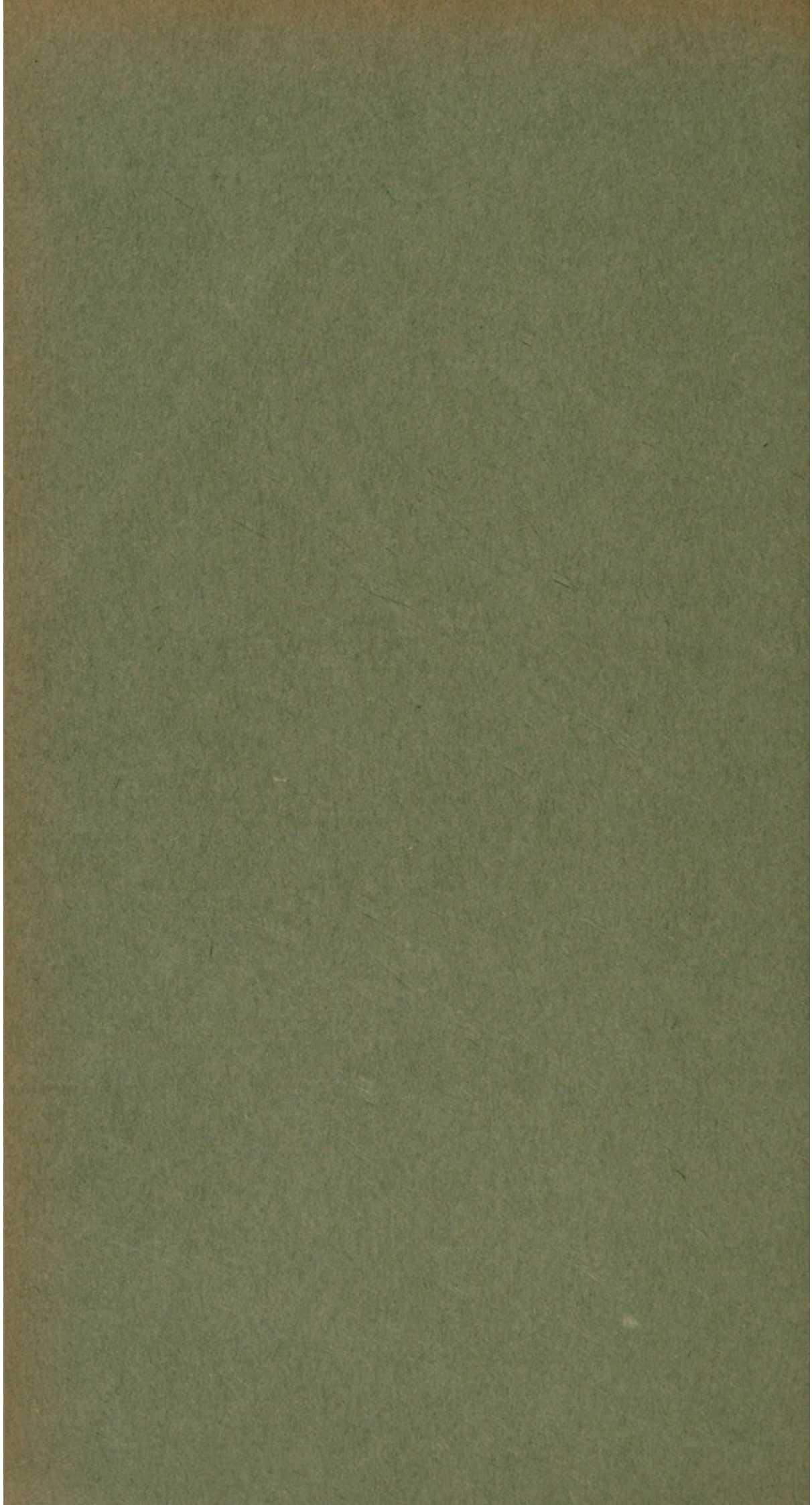
MEDICAL OFFICER OF HEALTH

AND

CHIEF SANITARY INSPECTOR

ON THE

Health and Sanitary Circumstances
of the Borough for the Year 1935.



COUNTY BOROUGH OF WEST BROMWICH.



Annual Report

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MEDICAL OFFICER OF HEALTH

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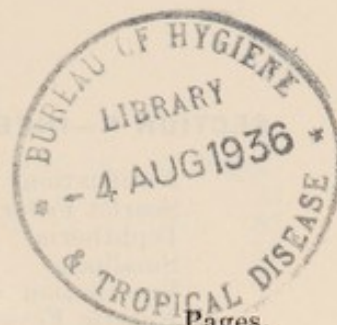
Health and Sanitary Circumstances
of the Borough for the Year 1935.



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MEMBERS OF COMMITTEES,

At 31st DECEMBER, 1935.

HEALTH AND EXECUTIVE COMMITTEE.

Chairman: Councillor J. T. H. DAVIES, J.P.

Deputy Chairman: Councillor Miss C. E. HAZEL, J.P.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman J. BELL, J.P.

Councillor Mrs. A. E. CALDWELL.

Alderman S. D. GILL.

Councillor A. GREEN.

Councillor C. B. ADAMS, J.P.

Councillor H. JINKS.

HEALTH (HOSPITALS) SUB-COMMITTEE.

Whole of the Members of the Health Committee.

INSPECTION OF PROPERTY SUB-COMMITTEE.

Whole of the Members of the Health Committee.

REFUSE DISPOSAL SUB-COMMITTEE.

THE MAYOR (Councillor J. H. WILLS, J.P.).

Councillor C. B. ADAMS, J.P.

Councillor H. JINKS.

Councillor J. T. H. DAVIES, J.P.

Councillor Miss C. E. HAZEL, J.P.

TUBERCULOSIS SUB-COMMITTEE.

Chairman: Councillor J. T. H. DAVIES, J.P.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman S. D. GILL.

Councillor A. GREEN.

Councillor Miss C. E. HAZEL, J.P.

Councillor Mrs. A. E. CALDWELL.

And two representatives of the National Health Insurance Committee.

Mr. A. G. LAVENDER.

Mr. F. T. MYRING.

HOUSING AND TOWN PLANNING COMMITTEE.

Chairman: Councillor C. B. ADAMS, J.P.

Deputy Chairman: Alderman T. COTTRELL.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman J. WHEATLEY.

Councillor A. GUEST.

Councillor Mrs. A. E. CALDWELL.

Councillor A. LELLOW.

Councillor D. COLLINS.

Councillor A. TURNER.

MATERNITY AND CHILD WELFARE COMMITTEE.

Chairman: Alderman S. D. GILL.

Deputy Chairman: Councillor Mrs. A. E. SMALLMAN, J.P.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman J. BELL, J.P.	Councillor A. GREEN.
Councillor Mrs. A. E. CALDWELL.	Councillor A. TURNER.
Councillor Miss C. E. HAZEL, J.P.	Mrs. GREEN.
Councillor J. T. H. DAVIES, J.P.	Nurse HOUGHTON.

MENTAL DEFICIENCY ACT COMMITTEE.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman C. S. BACHE, J.P.	Councillor A. E. BROMLEY.
Alderman S. D. GILL.	Councillor Mrs. A. E. CALDWELL.
Alderman J. WHEATLEY.	Councillor A. TURNER.

BLIND PERSONS ACT COMMITTEE.

Chairman: Councillor H. BELLINGHAM.

Deputy Chairman: Councillor J. SHAW.

THE MAYOR (Councillor J. H. Wills, J.P.).

Alderman J. WHEATLEY.	Councillor G. E. POWELL.
Councillor Mrs. A. E. CALDWELL.	Miss F. BEIGHTON.
Councillor H. W. COLE.	Mrs. S. BELLINGHAM.
Councillor J. DYEHOUSE.	Mrs. A. S. MOUNTAIN.
Councillor A. GREEN.	

MATERNITY AND CHILD WELFARE COMMITTEE.

REPORT OF THE MATERNITY AND CHILD WELFARE COMMITTEE FOR THE YEAR 1917.

MENTAL DEBILITY ACT COMMITTEE.

REPORT OF THE MENTAL DEBILITY ACT COMMITTEE FOR THE YEAR 1917.

BLIND PERSONS ACT COMMITTEE.

REPORT OF THE BLIND PERSONS ACT COMMITTEE FOR THE YEAR 1917.

ATTORNEYS GENERAL REPORT.

REPORT OF THE ATTORNEYS GENERAL FOR THE YEAR 1917.

POST OFFICE DEPARTMENT REPORT.

REPORT OF THE POST OFFICE DEPARTMENT FOR THE YEAR 1917.

*To His Worship the Mayor, Aldermen and Councillors of
the County Borough of West Bromwich.*

MR. MAYOR, LADIES AND GENTLEMEN.

I have the honour to present to you the Annual Report on the Health Services within the Borough during 1935.

The work of the Health Department was directed under the able supervision of Dr. J. Yule (my predecessor) throughout the year until December 11th, when he left to take up his appointment as Medical Officer of Health to the County Borough of Stockport.

Since I have not become entirely familiar, as yet, with all the phases of the administration, I do not feel it fitting that I should make any special comments here.

I desire to acknowledge, with thanks, the receipt of figures and information for inclusion in this report from the Town Clerk, Borough Surveyor, Borough Treasurer, Secretary of the Voluntary Hospital, Manager of the Employment Exchange and the Clerk to the National Health Insurance Committee.

I should like to express grateful thanks on behalf of the Department to the Chairman, Deputy Chairman, and all the members of the Health, Housing and Maternity and Child Welfare Committees for the kind interest shown on all occasions and the courteous consideration of recommendations.

I am,

Yours obediently,

W. S. WALTON,

Medical Officer of Health.

April, 1936.

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.

WHOLE TIME OFFICERS.

Medical Officer of Health & Chief Tuberculosis Officer	J. YULE, M.D., Ch.B., D.P.H. (To 15th Dec., 1935)
Deputy Medical Officer of Health and Clinical Tuberculosis Officer	E. HUGHES, M.D., Ch.B., D.P.H.
Assistant Medical Officer of Health	J. G. S. McQUEEN, M.D., Ch.B., D.P.H.
Dental-Surgeon (School Medical Dept.)	B. D. BRITTEN, L.D.S. Miss M. COOK, L.D.S. (From 1st April, 1935)
Chief Sanitary Inspector, Inspector of Food and Drugs, Superintendent of Removal of Refuse ...	W. W. FOAKES, C.R.S.I., M.S.I.A. Cert. Meat Inspection. G. H. SHAW, C.R.S.I., M.S.I.A. Cert. Meat Inspection. F. A. OAKES, Cert. S.I.B., M.S.I.A. Cert. Meat Inspection.
District Sanitary Inspectors ...	J. BULLOCK, Cert. S.I.B., M.S.I.A. C. N. JOHNSON, Cert. Meat Inspect'n E. N. FIRTH, Cert. S.I.B., M.S.I.A. (From 8th July, 1935)
Tuberculosis Sister	SISTER C. COLLINS, Cert. C.M.B., and three years' General Hospital training.
Senior Health Visitor & Inspector of Midwives	MISS C. TWIST, State Registered Nurse, Cert. C.M.B., Cert. Sani- tary Inspector, Cert. Health Visitor.

NURSE HEALTH VISITORS.

MISS M. W. POLE ...	3 years' General Training.	Cert. C.M.B.
MRS. L. A. BRYAN ...	3 years' General Training.	Cert. C.M.B.
MISS A. CLEGG ...	4 years' General Training. Cert Health Visitor.	Cert. C.M.B.
MISS B. WEARING ...	Cert. Sanitary Inspector.	Cert. C.M.B. (Deceased 22nd March, 1935)
MISS C. KRETSCHMAN	State Registered Nurse. Cert. Health Visitor.	Cert. C.M.B.
MISS D. M. CATLIN ...	State Registered Nurse. Cert. Health Visitor.	Cert. C.M.B.
MISS M. E. GREASLEY	State Registered Nurse. Cert. Health Visitor.	Cert. C.M.B.
MISS E. M. HIGGINS ...	State Registered Nurse. Cert. Health Visitor.	Cert. C.M.B. (From 1st May, 1935)
MISS M. E. JONES ...	State Registered Nurse. 4 years' General Training. (From 1st January, 1935)	Cert. C.M.B.

SCHOOL CLINIC NURSES.

MISS B. E. FISHER.

MISS H. M. HAYES.

NURSING STAFF—ISOLATION HOSPITAL.

MISS A. DAVIS, Matron; 4 Sisters; 2 Fever-Trained Nurses;
9 Probationers.

CLERICAL STAFF.

Health Dept.	... ..	J. POXON. Vaccination Officer. Chief Statistical Clerk.
		C. L. BAGGOTT. MISS M. L. HOLDEN. MISS M. PARSONS. MISS G. E. ROGERS
Tuberculosis Dept.	... ..	MISS E. ROBINSON.
Sanitary Dept.	... ..	C. S. STOKES. K. J. HICKINBOTTOM.
School Medical Dept.	... ..	MISS D. BROMLEY. MISS R. I. TURNER. MISS M. ADAMS.
Dental Clerk Attendants		MISS D. MATTHEWS. MISS E. SHAKESPEARE (From 1st April, 1935)

Hallam Hospital The whole-time and part-time staffs are given
on page 52.

PART-TIME OFFICERS.

District Medical Officers (Public Assistance)	... ..	(see page 8).
Public Vaccinators	... ..	(see page 31).
Ophthalmic Surgeon	... ..	CHARLES RUDD, M.B., Ch.B.
Aural Surgeon	... ..	F. BRAYSHAW GILHESPY, M.R.C.S., L.R.C.P.
Veterinary Surgeon	... ..	H. W. DAWES, M.R.C.V.S.
Public Analyst	... ..	H. SILVESTER, B.Sc., F.I.C.
Masseuse (School Medical Dept.)	... ..	MISS E. FISHER. (To 31st March, 1935)

SECTION A.

STATISTICS.

SUMMARY FOR 1935.

1. GENERAL STATISTICS.

Area in Acres	...	...	...	...	...	7,172
Population (Census 1931)	...	...	...	...	...	81,303
Population (Estimated by Registrar General, 1935)	...	...	...	...	...	82,300
Rateable Value	...	...	...	...	...	£336,204
Product of a Penny Rate	...	...	...	...	...	£1,350
Number of Inhabited houses according to Rate books	...	...	...	...	...	19,877
Rate in the £	...	...	...	...	...	15s. 0d.

2. VITAL STATISTICS.

Live Births:—

	Male.	Female.	Total.
Legitimate	774	740	1,514
Illegitimate	15	22	37
Total	789	762	1,551

Birth Rate, 18·84.

Stillbirths:—

Legitimate	43	28	71
Illegitimate	—	1	1
Total	43	29	72

Rate per 1,000 total births, 44·3.

Deaths	525	480	1,005
--------	-----	-----	-------

Crude death-rate, 12·21. Standardised, 13·92.

Deaths from diseases and accidents of pregnancy & childbirth.
Puerperal Sepsis, 3; Other Causes, 4; Total ... 7

Mortality Rate per 1,000 total births:
Puerperal Sepsis, 1·85; Other Causes, 2·46; Total 4·31

Death Rate of infants under one year of age per 1,000
live births ... 84

Deaths from Measles, 11; Whooping Cough, 5; Diarrhoea
(under 2 years), 28.

Death Rate from Zymotic Diseases ... 0·74

Death Rate from Tuberculosis:
Pulmonary, 0·69; Other Forms, 0·07; Total ... 0·76

Death Rate from Cancer ... 1·38

Births.

The number of births was 1,551, being an increase of 62 over the 1934 figure.

The birth-rate was 18·84, compared with 18·11 for the previous year.

There were 37 illegitimate births; this is 2·4 per cent. of the total.

Seventy-two still-births were registered: of these, one was illegitimate. The rate per 1,000 live and still-births was 44·3.

Births in Wards.

Barr.	Sandwell.	Lyndon.	Tantany.	Hill Top.	Spon Lane.	Lyng.
32	73	403	202	200	111	185
	Town Hall.		Greets Green.		Total.	
	175		170		1,551	

Deaths.

The total number of deaths was 1,005, of which 525 were males and 480 females; the death-rate being 12·21 per 1,000 of the population. The deaths recorded each quarter were:—

1st Quarter.	2nd Quarter.	3rd Quarter.	4th Quarter.
301	266	197	241

The chief causes of death were Heart Disease 143, Cancer 114, Pneumonia 110, Bronchitis 56, and Tuberculosis (all forms) 63. There were 13 suicides and 38 deaths from other forms of violence. In Appendix 4, page 60, are shown the principal causes of death divided into age groups.

Deaths from the seven principal zymotic diseases, together with the figures for the previous four years for comparison, are shown in the following table:—

	1931	1932	1933	1934	1935
Small Pox	—	—	—	—	—
Enteric Fever	1	—	—	—	—
Measles	13	6	22	—	11
Scarlet Fever	—	—	—	3	1
Whooping Cough ...	3	2	5	13	5
Diphtheria	—	2	4	2	16
Diarrhœa and Enteritis (under 2 years) ...	12	38	27	22	28

Deaths in Wards.

Barr.	Sandwell.	Lyndon.	Tantany.	Hill Top.	Spon Lane.	Lyng.
24	60	148	148	151	110	139
	Town Hall.		Greets Green.		Total.	
	115		110		1,005	

A table showing the death-rate in West Bromwich compared with the large towns and the country as a whole is given in Appendix 6.

Infant Mortality.

The following are the particulars of Infant deaths during the year 1935.

Total number of deaths under 1 year	131
Mortality rate per 1,000 births	84.5
Number of deaths of legitimate infants	126
Legitimate Mortality rate	83
Number of deaths of illegitimate infants	5
Illegitimate Mortality rate	135

Further details will be found in Appendix 2, on page 59.

Marriages.

The Superintendent-Registrar informs me that during the year ended 31st December, 1935, the number of marriages solemnised in the Borough was 804. The marriage-rate was 19.5 per 1,000 of the population.

Unemployment.

The Manager of the Employment Exchange informs me that there was a marked decline in unemployment in the Borough during the year.

The incidence of the reduction is illustrated by the following details of the numbers of persons registered as unemployed at the end of each quarter during 1935.—

	Men	Women	Juveniles	Total
18th Mar., 1935	2646	347	51	3044
24th June, 1935	2209	326	39	2574
23rd Sept., 1935	2023	295	44	2362
16th Dec., 1935	1599	198	13	1810

The figures quoted include persons working short time or stood off work temporarily. Thus, included in the total of 1,810 unemployed on 16th December, 1935, were 406 men, 82 women, and 5 juveniles, temporarily suspended, the remaining 1,317 being wholly unemployed.

Poor Law Relief.

The number of persons in receipt of Poor Relief on the 28th December, 1935, was 2,098, 225 were receiving in-door and 1,873 out-door relief, which is a decrease of 175 compared with the number so dealt with on the corresponding day in the previous year.

The number of persons in receipt of relief per 10,000 of the population on 28th December, 1935, was 255. The corresponding figure for the County Boroughs in England and Wales was 333.

SECTION B.

GENERAL PROVISION OF HEALTH SERVICES.

Laboratory Facilities.

Clinical material is examined at two local laboratories :--

(1) In connection with the Health Department, where sputum, swabs, etc., are examined.

(2) In connection with Hallam Hospital in the pathological and bio-chemical laboratory.

Use is also made of the Public Health Laboratory, University of Birmingham, for pathological examinations where a vivisection licence is necessary. Bacteriological examinations of milk under the Milk (Special Designations) Order and the Milk Tuberculosis Order are carried out at this Laboratory. Chemical analysis of water and food stuffs under the Sale of Food and Drugs Act is carried out by the Borough Analyst in Birmingham.

There were no additions to the laboratories during the year.

Ambulance Facilities.

The Ambulance services continued as stated in last year's report.

Nursing in the Home.

Professional Nursing at home was again carried out by the Staff of the Akrill Nurses' Home. The grants paid to the Home for services rendered in connection with maternity and tuberculosis visits, remain the same as in previous years.

National Health Insurance.

The Local Authority have 5 representatives, of whom one is a Medical man, on the National Health Insurance Committee.

The number of insured persons entitled to Medical Benefit on 31st December, 1935, was 35,609, of whom 224 were deposit contributors or the Navy and Army Fund, and 35,385 members of Approved Societies. The number of persons on the lists of insurance doctors was 34,989. The number of prescriptions issued was 167,267, at an average total cost per prescription of 7·6 pence.

Clinics and Treatment Centres.

Particulars of Clinics and Treatment Centres will be found in Appendix 7, page 63.

Hospitals.

Six additional cubicles at the Isolation Hospital, Heath Lane, were opened on 26th July.

The work carried out during the year at Hallam Hospital and the two Infectious Diseases Hospitals under the control of the Authority is set out in detail in other sections of this Report.

West Bromwich and District General (Voluntary) Hospital.

During the past year a "covered way" connecting the new Out-patient Departments with the main building has been provided; while the old Casualty Department has been converted into a Day Ward with six beds.

During 1935, 1,752 in-patients and 3,889 out-patients were treated at this Hospital; in addition, 13,736 persons received attention at the Casualty Department.

Poor Law Medical Out-Relief.

For the purpose of Poor Law Medical Out-Relief, the Borough is divided into seven areas. The names of the District Medical Officers are as follows:—

District 1. S. E. Price, L.R.C.P., L.R.C.S.

District 1A. J. F. Duesbury, M.B., Ch.B., M.R.C.S.,
L.R.C.P.

District 2. C. D. Trimble, B.Sc., L.M.S.S.A.

District 3. W.B. Arnold, M.A., L.M.S.S.A.

District 4. W. P. Penhale, M.R.C.S., L.R.C.P.

District 5. D. M. Spring, M.B., Ch.B.

District 6. J. B. Garman, M.R.C.S., L.R.C.P.

Institutional Provision for the Care of Mental Defectives.

On the 31st December, 1935, there were 153 patients, 53 men, 75 women, and 25 children chargeable to West Bromwich Corporation in Great Barr Park Colony.

Institutional Provision for Unmarried Mothers, Illegitimate Infants and Homeless Children.

The work of supervising and assisting unmarried mothers was continued on the lines indicated in the report for 1934. The local Authority gives an annual subscription of £50 to the West Bromwich Girls' Welfare Society. The Medical Officer is a member of the Committee.

Blind Persons.

The blind persons of West Bromwich are dealt with by the Birmingham Royal Institution for the Blind under an approved joint scheme. During the year 1935, the blind population numbered: Males, 69, females, 41; total 110.

The cost to the Local Authority for the financial year ended 31st March, 1936, was as follows:—

	£	s.	d.
Workshop Services	432	11	11
Home Workers	138	11	7
Unemployables	847	0	4
	1,418	3	10
Less Voluntary Funds available ...	133	17	1
	£1,284	6	9

No action was taken by the Local Authority under Section 66 of the Public Health Act, 1925.

Ultra Violet Light Clinic.

The Ultra Violet Light Clinic for convenience and lack of room elsewhere is accommodated in the Anti-Tuberculosis Dispensary.

Treatment.—The treatment is administered by the Sister for Tuberculosis, who is in charge of the Dispensary. A Doctor is in attendance on Wednesday afternoons for seeing new cases and periodical survey of all cases.

Sessions.—Light sessions are held throughout the day on Monday and Friday. The sessions are divided as follows:—

TUBERCULOSIS CASES.—Monday and Friday mornings.

SCHOOL CHILDREN (except tuberculous conditions).—
Monday and Friday afternoons, 3-30 to 5 o'clock.

MATERNITY AND CHILD WELFARE CASES.—Monday and Friday afternoons, 1-45 to 3 o'clock.

Lamps.—Two lamps of the Mercury Vapour type are overhauled periodically by the makers in order to keep them efficient.

The following tables indicate briefly the work done during the year.

Cases on Books 1st January, 1935	34
Cases added during the year	89
Total Cases receiving treatment	123
Cases discharged	90
	—
Cases on Books, 31st December, 1935	33
	—
Total Attendances	1,835
	—

The following table indicates the distribution of the total cases between the various Health Services:—

	M. & C. W.	Tuberculosis.	School.	Total.
Cases ...	47	18	58	123
Attendances	492	411	932	1,835

Of the 411 exposures of notified Tuberculosis cases, 135 exposures were given to school children. This number is not included in the 932 exposures to School Cases.

The following cases were treated and discharged during the period under review:—

INFANT WELFARE CENTRE CASES.

	Cured	Much im- prov'd	Im- prov'd	No im- prove- ment	Un- suit- able	Failed to attend	Not accep- ted	Ref. Hos- pital
Bronchitis ...	...	3	...	...	...	...	...	...
Chronic Abscess ...	...	...	1	...	...	...	...	...
Cervical Adenitis ...	1	...	...	...	...	...	...	1
Debility ...	...	...	4	...	...	1	1	3
Dermatitis ...	...	...	...	...	...	1	...	...
Rickets ...	1	4	5	...	2	6	...	1
	2	7	10	...	2	8	1	5

TUBERCULOSIS DISPENSARY CASES.

	Cured	Much im- prov'd	Im- prov'd	No im- prove- ment	Un- suit- able	Left Dis- trict	Failed to attend	Treat- ment re- fused	Ref. Hos- pital
Glandular	2	...	...	1	...	...	...	...
Hilum T.B.	2	...	...	...	...	...	...
T.B. Knee	1
T.B. Granuloma of Hand	1	...	...	...	...	...	...	...
	...	3	2	...	1	...	...	...	1

SCHOOL CASES.

	Cured	Much im- prov'd	Im- prov'd	No im- prove- ment	Un- suit- able	Left Dis- trict	Failed to attend	Treat- ment re- fused	Ref. Hos- pital
Alopecia ...	7	2	1	...	...	...	2	...	...
Anæmia ...	...	1	1	...	...	...	...	...	...
Blepharitis ...	...	...	...	...	1	...	...	...	...
Bronchitis ...	2	1	3	...	1	...	...	...	1
Catarrh ...	...	1	...	...	...	...	...	...	1
Cervical Adenitis ...	1	...	...	...	...	...	1	...	...
Debility ...	...	4	8	...	1	...	...	...	...
Impetigo ...	1	...	...	...	...	...	...	...	...
Mastoid ...	...	...	...	...	...	...	...	...	1
Rheumatism ...	3	1	...	...	...	...	...	...	...
Scrofula ...	1	...	...	...	...	...	...	...	...
Sinus ...	...	...	1	...	...	...	...	...	...
	15	10	14	...	3	...	3	...	3

The following Cases are continuing treatment:—

M. & C.W. Cases	Tuberculosis Cases	School Cases
Bronchitis 1	Glandular... .. 5	Alopecia 1
Cervical Adenitis .. 1	Lupus 6	Bronchitis 5
Debility 4		Cervical Adenitis ... 1
Rickets 6		Catarrhal Jaundice 1
		Debility 2
Total 12	Total 11	Total 10

Average attendance and average length of Exposure of the various Groups of " Cured " Cases.

	No. of Cured Cases	Average No. of Attendances	Average Length of Exposure
Alopecia	7	27	11 minutes
Bronchitis	2	33	11 "
Cervical Adenitis ..	2	17	10 "
Impetigo	1	8	10 "
Rheumatism	3	31	10 "
Rickets	1	34	12 "
Scrofula	1	8	8 "

SECTION C.**SANITARY CIRCUMSTANCES.**

REPORT OF THE CHIEF SANITARY INSPECTOR.

Water.

The South Staffordshire Water Works Company supplies water within the Borough. This is derived from deep bore-holes, and is of excellent quality.

The result of an examination made in July, 1935, by the Public Analyst is as follows:—

(Expressed in parts per 100,000).

Total solid matter	...	...	...	33·0
Free and Saline Ammonia	...	...	...	Nil
Albuminoid Ammonia	...	...	...	·006
Nitrogen as Nitrate	...	...	...	·29
Nitrogen as Nitrite	...	...	...	Absent
Combined Chlorine	...	...	...	5·9
Total hardness	...	...	...	14·3
Permanent hardness	...	...	...	6·3
Temporary hardness	...	...	...	8·0
Alkalinity as Carbonate of Lime	...	...	...	13·0
Hurtful metals	...	...	...	Absent
Appearance	...	...	...	Clear and bright

The above analysis shows this water to be of the highest organic purity. Hurtful metals were absent.

A sample of water obtained from a well at Bustleholme Mill Farm was certified as quite unfit and dangerous to use for drinking and domestic purposes.

Extensions of mains were carried out during the year in the following areas:—

Coles Lane	Wills Avenue.
Wyntor Lane.	Caldwell Street.
Allerton Lane.	Marsh Lane.
Oldbury Road.	Heath Lane.
Hollyhedge Estate.	Ida Road.
Jowetts Lane.	Witton Lane.
Walsall Road.	Dagger Lane Estate.
Lynton Avenue.	

Drainage and Sewerage.

I am informed by the Borough Surveyor that the new Outfall Works at Ray Hall and the remodelling of the existing works at Friar Park are completed and in operation. The work of connecting up the existing houses in Perry Barr and Hamstead is being carried out. New sewers and storm water drains have been constructed on new Housing Estates, sewers in Albion Road and Rydding Lane, and storm water drain in Greets Green Road.

Rivers and Streams.

No action has been taken in connection with river pollution within the Borough.

Closet Accommodation.

At the end of the year there were approximately 18,766 water closets in the Borough. With the exception of the added parts of the Borough, and the rural outlying districts where no public sewer is available, the whole of the houses are on the water carriage system.

PUBLIC CLEANSING.**Removal of Dry Refuse.**

The number of portable ashbins was approximately 17,807 and the number of fixed ashpits in connection with dwellinghouses or other buildings has been reduced from 128 to 108.

The ashbins are emptied weekly and ashpits periodically or as required. Collection is made by means of a fleet of seven 30-cwt. petrol vehicles which are fitted with special covered bodies to prevent dissemination of dust during loading. They have proved eminently satisfactory.

During the twelve months ended 31st December, 1935, 22,980 tons of dry refuse were collected made up as follows:—

	Loads.	Tons.
Bins	16,123	21,422
Pits	227	375
Refuse from Hallam House and Wigmore Schools	1,058	1,109
Trade Refuse	256	74
	<hr/>	<hr/>
	17,664	22,980
	<hr/>	<hr/>

This is a decrease of 905 tons in weight and an increase in loads of 196 over the preceding year. The increase in bulk and decrease in tonnage is general throughout the country and is due in a considerable extent to the adoption of more modern methods of heating and cooking.

The tonnage for the previous three years was 23,885 for 1934, 22,361 for 1933, and 24,472 for 1932.

The gross collection costs amounted to £7,521, compared with £7,013 in 1934; £6,478 in 1933, and £6,673 in 1932.

Details of these costs are as follows:—

	£
Wages	4,503
Lorry Hire	3,004
Implements and Repairs	11
Incidental Repairs and Sundries	3
	<hr/>
	£7,521
	<hr/>

The transport costs amounted to 2s. 7·3d. per ton.

The cost of Ashbin collection was 6s. 6·8d. per ton; ashpit collection, 8s. 0d. per ton, and refuse collected from Hallam House and Wigmore Schools 3s. 7·2d. per ton.

Removal of Refuse from Privies and Cesspools.

There were 298 privies, 69 privy pails and 92 cesspools in the Borough at the end of the year, these figures showing an appreciable diminution on those of last year. The estimated tonnage from these receptacles was 5,482 tons as compared with 3,998 tons in 1934 and 3,909 tons in 1933. The total cost per ton being 3s. 1·9d. as compared with 3s. 3·9d. per ton in 1934.

Details of costs are as follows :—

	£
Wages	264
Transport Department Charges ...	464
Implements and Repairs	3
Proportion of cost of Cesspool Emptier	135
	<hr/>
	£866
	<hr/>

A petrol-driven Cesspool Cleaner with Vacuum Pump was used for this work. Sixty per cent. of the refuse collected was deposited on farm land, and the remainder at Heath Lane.

The net cost of refuse collection of every description was £8,045. The following are the costs for the past five years :—

	1931	1932	1933	1934	1935
Net Cost ...	£7,981	£7,364	£7,034	£7,602	£8,045

During the past two years the number of houses in the Borough has increased by 773, and accounts for the increased cost of collection.

Disposal of Dry Refuse.

Dry refuse was dealt with mainly at the Fuel Recovery Plant, Black Lake, and saleable materials were salvaged. Offensive and organic matter is burnt in the incinerators, the screened dust tipped at the rear of the works, and a small quantity of the screened dust is used as covering material at the controlled tip. In all, 9,346 loads, representing 11,533 tons, were disposed of at the Black Lake Works, and in addition, 168 beds were destroyed, and the carcasses of 16 pigs and 757 cats and dogs. A large quantity of trade refuse delivered direct to the works, and 13 tons of diseased or unsound food and meat, were destroyed.

Eight thousand, three hundred and sixty-eight tons were deposited at the controlled tip at Heath Lane. The nuisance from pickers at the Heath Lane Tip continues and considerable trouble was caused by these trespassers during the past year.

Details of the cost of Disposal for the twelve months ended December 31st, 1935, are as follows:—

	£
Wages	1,649
Light, Power and Water	116
Repairs and Maintenance	313
Horse Hire	708
Rates, etc.	426
Sundries	92
	£3,304

The costs for the preceding five years were:—1934, £3,203; 1933, £3,098; 1932, £3,035; 1931, £3,233; 1930, £3,254.

The detail of income was as follows:—

	£
Washed Cinders	54
Baled Scrap	404
Loose Mixed Metals	27
Loose Scrap	28
Bottles and Jars	28
Destruction of Trade Waste	91
Bones	42
Glass Cullett	10
Baled Paper	9
Sundries	17
Public Weighings	26
	£736

The income for 1934 was £703.

The net working expenditure was £2,568, as compared with £2,480 in 1934; £2,608 in 1933; £2,556 in 1932; £2,897 in 1931, and £2,718 in 1930.

The net working cost of Disposal was approximately 2s. 6·8d. as compared with 2s. 0·6d. per ton in 1934.

Loan charges amounted to £61, thus making the net cost of disposal £2,629, or the equivalent of a rate of 2d. in the £.

SANITARY INSPECTION.

Introduction.

The total of 21,748 inspections of all classes is smaller than that of the previous year, but this is accounted for by the concentration of the efforts of the Inspectorial Staff upon

Slum Clearance during the year. This work naturally limits the time devoted to miscellaneous and routine inspections, but nevertheless the work has been carried on steadily.

During the year, 1,113 preliminary notices were served relating to 2,081 houses, and 243 Statutory Notices were served in accordance with your instructions. 229 Statutory Notices were served under the Public Health Acts and 14 were served under Local Acts.

Particulars of notices served and sanitary improvements effected are given in Appendix 8, Tables III. and IV.

The total number of dwelling-houses inspected was 2,121, of this number 562 were examined in the course of systematic house-to-house inspection and recorded under the Housing Regulations.

In addition, 5,055 special housing visits or inspections were made in connection with houses in Clearance Areas or Individual Unfit Houses.

Thirty-one fresh water closets were substituted for foul slop water closets, and eight additional water closets were provided. In eleven houses horizontal slate damp proof courses were inserted. Drains were relaid in thirty-eight cases, and an internal water supply was provided in ten houses. Other important improvements of a substantial character were effected.

One summons was issued under Section 96, Public Health Act, 1875, and one summons for contravention of the Bye-Laws relating to Houses-let-in-Lodgings. The work in both instances was completed after several adjournments, and the summonses withdrawn upon payment of £1 9s. 0d. costs. Twenty ashbins were supplied in default under the Public Health Acts.

House-to-House Inspections.

It was not possible to carry out systematic Housing Inspections under the Housing (Inspection of District) Regulations except those houses situated in Clearance Areas and houses on Corporation Estates.

Five hundred and fifty houses were inspected in Clearance Areas and are dealt with in "General Action taken as Regards Unfit Houses."

The inspection of Council Houses was carried out at Westbourne Road, Hamstead, Boulton Square, Swan Village, and part of Charlemont Estates.

Five hundred and sixty-two houses were inspected with a population of 2,553 persons, or 4.54 persons per house. The number of two family occupancy was 53. The Housing Manager was informed of all cases of lack of cleanliness, etc.

Common Lodging Houses and Houses-let-in-Lodgings.

There are 2 registered Common Lodging Houses and 18 Houses-let-in-Lodgings in the Borough, and 180 visits were paid to these premises. It was not found necessary to resort to legal proceedings to remedy contraventions of the Bye-Laws in relation to Common Lodging Houses. The Houses-let-in-Lodgings are most unsatisfactory, and it was found necessary to take legal proceedings in respect of one of these premises. The work was put in hand upon service of the summons, and having been completed, the summons was withdrawn upon payment of costs.

Tents, Vans and Sheds.

It was not necessary to serve any notice under the Bye-Laws relating to Tents, Vans or Sheds during the year.

Sanitary Supervision of Theatres and Cinemas.

Twenty-one inspections of the local Theatres and Cinemas were made. Reports have been submitted to the Magistrates and Watch Committee as occasion required, and a number of defects have been remedied and improvements effected.

Factory and Workshops Act.

The total number of workshops and bakehouses on the register was 141.

Ninety-four visits of inspection were made; 7 notifications were received from the Home Office respecting insanitary factories, and notices were served upon the firms concerned. Most of the work had been carried out before the end of the year.

Rents Restriction Acts.

Four applications were made by occupiers of houses for certificates under these Acts, all of which were granted.

Offensive Trades.

The Offensive Trades carried on in the Borough under Section 112, Public Health Act, 1875, and Section 51 of the Public Health Act, 1907, are as follows:—

Bone Boiler	...	...	...	...	1
Tallow Melter	...	...	...	...	1
Fat Extractor	...	...	...	...	1
Fat Melter	...	...	...	...	1
Rag and Bone Dealers	...	...	...	...	10
Fish Friers	...	...	...	...	132

The total number of premises on the register of Offensive Trades is 146.

Eleven applications were received to establish the trade of fish frier, of this number 7 were granted and 4 refused.

The Bone Boiler's and Fat Extractor's premises were kept under close supervision. Forty-six inspections were made of premises where offensive trades were carried on.

Rats and Mice Destruction Act.

Rat destruction was continuous throughout the year. Assistance was given to works and other premises, and water courses also received attention.

Shops Act, 1934.

Whilst it was not possible to visit shops systematically for the purposes of this Act, complaints were investigated, and action taken informally in a number of cases.

Smoke Abatement.

Informal observations of excessive emission of smoke were made, and in five cases the observations were recorded. Two Statutory notices were served. Factories were also visited where grit and ash were emitted from exempted processes and the works' managers interviewed. In all cases efforts were made to reduce or abate the nuisance.

SECTION D.

HOUSING.

Construction of Houses.

Data received from the Borough Surveyor shows that 444 houses were built by the Corporation and 398 by private enterprise during the year. The subjoined statement shows the number of houses built year by year since 1920.

NUMBER OF HOUSES BUILT 1920-1935.

Year.	WITH STATE ASSISTANCE.		WITHOUT STATE ASSISTANCE.		Total.
	By Local Authority.	By others.	By Local Authority.	By others.	
1920	—	—	—	15	15
1921	300	—	—	9	309
1922	495	—	—	7	502
1923	15	4	—	18	37
1924	28	73	—	9	110
1925	24	86	—	53	163
1926	125	153	—	18	296
1927	312	183	—	7	502
1928	115	100	—	15	230
1929	391	139	—	11	541
1930	493	—	—	44	537
1931	518	5	—	83	606
1932	158	12	—	145	315
1933	74	—	—	202	276
1934	396	—	—	375	771
1935	444	—	—	398	842
	<u>3,888</u>	<u>755</u>	<u>—</u>	<u>1,409</u>	<u>6,052</u>

TYPES OF HOUSES BUILT BY THE LOCAL AUTHORITY.

Site.	Parlour.	Parlour.	Non-	Non-	Total.
	4 Bed-rooms.	3 Bed-rooms.	Parlour. 3 Bed-rooms.	Parlour. 2 Bed-rooms.	
Tantany and Westbourne Road	61	645	102	—	808
Barton Street	—	—	83	—	83
Swan Village	—	—	105	16	121
Charlemont	—	124	287	—	411
Boulton Square	—	—	14	—	14
Hamstead	—	8	88	14	110
Crankhall Lane	—	44	1,097	59	1,200
Witton Lane	—	—	12	—	12
Tantany Flats (No. 2)	—	—	12	18	30
Tantany Flats (No. 1)	—	33	38	—	71
Ebenezer Street	—	—	18	4	22
Harvills Hawthorne	—	—	22	—	22
Dial Lane	—	—	84	—	84
Hamblett's Estate	52	—	428	170	650
Hateley Heath	18	—	174	58	250
	<u>131</u>	<u>854</u>	<u>2,564</u>	<u>339</u>	<u>3,888</u>

GENERAL ACTION TAKEN AS REGARDS UNFIT HOUSES.

Clearance Areas.

Twenty-nine Areas, comprising 550 houses, were represented during the year under review.

Two Ministerial Inquiries were held into the Council's application for the confirmation of eleven Orders representing 319 houses with a population of 1,583 persons. No objections were lodged in respect of 144 houses.

The Inquiries and subsequent examination of the properties by the Inspector occupied three days. It was again gratifying to note that no serious attempt was made to combat the evidence of your Officers.

The Areas were as follows:—

Rydding Square Area " A "	...	10 houses
Rydding Square Area " B "	...	65 houses
Witton Lane	...	19 houses
Crookhay Lane	...	17 houses
Barrack Street	...	62 houses
Pikehelve Street Area " A "	...	74 houses
Pikehelve Street Area " B "	...	4 houses
Pikehelve Street Area " C "	...	7 houses
Pikehelve Street Area " D "	...	6 houses
Old Row	...	22 houses
Tunnel Road & Pleasant Street		33 houses
Total		<u>319 houses</u>

All the areas were situated in Hill Top Ward. The Minister of Health confirmed the eleven Areas without exception.

At the end of the year Ministerial Inquiries were pending into the Council's application for the confirmation of eighteen Clearance Orders representing 231 houses.

In all, 5,055 housing or special housing visits were made by the Inspectorial Staff in connection with these Areas, and it need hardly be stressed that the work entailed a considerable strain upon the staff.

Individual Unfit Houses.

During the year progress was well maintained with regard to Individual Unfit Houses.

Ninety-seven representations were made under Section 19 of the Housing Act, 1930, that the houses were unfit for human habitation, and could not be made fit at a reasonable expense.

Demolition Orders were made in 85 instances. Undertakings were accepted to recondition 5 houses and in 3 instances undertakings not to use premises for human habitation were accepted.

Demolition of Unfit Houses.

Up to the end of the year 730 houses had been demolished, of this number 371 houses were demolished during the twelve months ended 31st December, 1935.

Rehousing.

The transfer of families from houses in Clearance Areas, and Individual Unfit houses to new houses on the Hamblets, Hateley Heath or Marsh Lane Estates, has been continuous, 1,834 persons being rehoused. This population was transferred from houses with 802 bedrooms to houses having 1,163 bedrooms. The increase in bedroom accommodation effected a reduction of persons per bedroom from 2.3 to 1.6.

Disinfestation.

At the beginning of the year a specially constructed Furniture Removal Van was purchased for the purpose of fumigating furniture removed from unfit houses with Hydrocyanic Acid Gas (Zyklon B.). The van was equipped with electric heater and extraction fan, and the fumigation station was established at Black Lake. Since February all furniture removed has been fumigated by this method, the bedding being treated separately by steam. Up to the end of the year furniture from 385 houses had been disinfested.

The help of the Department has again been sought by occupants of verminous houses, in 128 instances insecticides were supplied. Advice was given on the best methods of disinfestation.

GENERAL OBSERVATIONS BY HOUSING MANAGER.

(MISS A. J. PHILIPP, M.R.San.I.).

The 1935 Housing record completes the second year's scheme of the five year plan in the Slum Clearance programme under the 1930 Housing Act.

During the year 586 families have been housed on the various Estates, 415 tenants were re-housed from the Clearance Areas, 171 applicants were taken off the register and 56 Municipal tenants were transferred into different type houses or on to another Estate.

The number of tenants taking advantage of living in subsidised houses has been greatly reduced during the year. Cases, in which a member of the family suffers from tuberculosis and when bad overcrowding exists, have received preferential consideration.

Housing Register.

In spite of the number of applicants housed, the register has steadily increased during the year. This is particularly noticeable in the lodger and single person classes.

	Dec. 25th, 1934.	Dec. 25th, 1935.
Tenant applicants ...	1,344	1,529
Lodger applicants ...	1,492	1,808
Single persons ...	296	400
	<hr/>	<hr/>
	3,132	3,737
	<hr/>	<hr/>

Housing Act, 1930.

The second year's Scheme has been completed with the building of 350 houses, the displaced tenants have been accommodated on Hamblett's Estate and Clifford Road. Re-housing of tenants under the third year's scheme was commenced early in July, 1935, at Hateley Heath and in the Marsh Lane Area.

Since February, 1935, all the household effects of tenants transferred from condemned property have been removed, fumigated by H.C.N. gas and delivered to the new houses free of cost. Tenants in general realise the benefit derived from the process and appear grateful. Providing these tenants carry out our instructions and keep their homes clean, the trouble of vermin should be considerably minimised in future. Unfortunately, trouble is already noticeable in the houses of tenants transferred before the fumigation process was in being. The Housing Department is helping tenants by giving advice and loaning Bono sprays.

Increased bedroom accommodation is not always put to the best advantage owing to the lack of beds and bedding.

In certain cases great benefit would be derived if a scheme was evolved to supply the tenant with beds and necessary bedding at a small weekly payment to be paid with the rent.

Aged Couples and Single Persons.

Two roomed bungalows or maisonettes are very necessary in various districts, many houses suitable for families would then be released. Elderly couples, widows, widowers and single people could be transferred; many such cases are now struggling to pay a rent beyond their means.

Standard of Homes.

Improvement in the standard and cleanliness of homes, particularly of young married couples, is very marked. However, the condition of many houses where the tenant is too indolent, causes much anxiety both to neighbours and the Committee, and the only hope of helping cases would be by

regular visits of an Octavia Hill trained rent collector who could influence such tenants to appreciate the new standard of cleanliness, comfort and perhaps even of conduct which are expected in new homes.

Acquired Properties.

Nos. 68 to 96, Roebuck Street, have been re-conditioned and each house has been fitted with bath, sink with hot water circulation from the kitchen range, gas boiler, pantry and sanitary conveniences have been improved, thus bringing these houses up to the improved standard required.

Social Amenities.

No Housing Estate can be considered complete without shopping facilities, amenities for social intercourse, Cinema, children's playgrounds, playing fields, and these are still conspicuous by their absence on the West Bromwich Housing Estates. The Hall erected on the Friar Park Estate could be utilised as a Community Centre. It would be necessary to appoint a Warden to supervise the management and would help to create a healthier atmosphere amongst the tenants.

Gardens.

The Fifth Annual Garden Competition, Concert and Prize Distribution was held on October 23rd, 1935, at the Town Hall and proved a great success. The number of prizes was considerably increased owing to the kind interest of many business firms.

On the 20th November, 1935, a number of Municipal Tenants met in the Retiring Room, Town Hall. The meeting was presided over by Councillor C. B. Adams, J.P. (Chairman of the Housing Committee) and the Municipal Tenants' Garden Association formed. It is hoped that this Association will foster more enthusiasm and pride in the cultivation of gardens and create a more friendly spirit amongst neighbours.

SECTION E.**INSPECTION AND SUPERVISION OF FOOD.****Milk Supply.**

A determined effort was made during the year to improve the sanitary conditions of Cowsheds, particularly in relation to "Clean Milk Production." The result of these efforts was that steam sterilizers were installed at three farms, and precautions were adopted at others. Alterations were effected to two cowsheds and in one instance a new cowshed is being erected. The number of farms producing Grade "A" Milk within the Borough was increased from 2 to 5.

The number of cowsheds on the register at the end of the year was 19, with a cow population of 303 Milch Cows. The number of Dairymen on the register was 296.

Seventy-two samples of milk were submitted for bacteriological examination to the Birmingham University, Public Health Laboratory. Seven were "Certified," thirty-nine "Grade A," and twenty-five other samples from farms not registered as graded farms. One sample of Pasteurised Milk was also submitted.

The "Certified" milks were very satisfactory, bacteriological counts being well within the 10,000 bacteria per c.c. standard required, and *Bacillus Coli* was absent in all samples. The "Grade A" milks were not so satisfactory; sixteen of the thirty-nine samples did not comply with the standard, and action was taken under Article 9 (1) of the Milk (Special Designations) Order, 1923, in respect of a Firm holding a Grade A Bottling Licence. The samples of ordinary milks submitted, gave an average Bacteriological count of 89,350 bacteria per c.c., and *Bacillus Coli* was present in eleven cases. In all cases the farms were subsequently visited, advice given on clean milk production, and written instructions given to the milkers. The number of visits paid to farms was 146. Unfortunately, owing to pressure in other directions, it was impossible to give more attention to this important work.

There has been a marked diminution in the number of dairies selling raw milk from milk pails or other receptacles, the majority of retailers now retailing milk in sealed bottles. One hundred and seventy visits were paid to premises registered as dairies.

The following licences under the Milk (Special Designations) Order, 1923, were in force in the Borough at the close of the year:—

Grade " A " Producer's Licences	...	...	...	5
Grade " A " Bottler's Licences	...	...	...	3
Grade " A " Dealer's Licences	...	...	...	16
Certified Dealer's Licences	...	...	...	2
Grade " A " (T.T.) Dealer's Licences	...	...	...	2
Grade " A " Dealer's Supplementary Licences	...	...	...	5
Grade " A " (T.T.) Dealer's Supplementary Licences	...	...	...	3
Grade " A " Pasteurised Dealer's Supplementary Licences	...	...	...	1
Pasteurised Dealer's Supplementary Licences	...	...	...	5
Certified Dealer's Supplementary Licences	...	...	...	1

The amount received for fees was £16 0s. 6d.

Biological Examination of Milk.

Thirty-five samples of milk were obtained from farms producing milk in the Borough for Biological examination. Ten of the samples were returned as positive and the animals affected were segregated from the herds and slaughtered.

Tuberculosis (Animals) Order, 1925.

Three cows were dealt with under the Tuberculosis Order of 1925. The cows were from farms within the Borough Boundary, and upon post mortem examination Generalised Tuberculosis was found to be present in all cases. The total amount of compensation paid was £4 10s. 0d., the sum received for salvage was £1 10s. 0d.

Meat and Other Foods.

There are 12 licensed and 10 registered slaughterhouses within the Borough.

Two hundred and one notices of intention to slaughter outside the regular hours of slaughter were received, and in every instance the slaughterhouse was visited and the carcasses inspected before removal.

Two outbreaks of swine fever were discovered in slaughterhouses during meat inspection. The responsible Authorities were notified and in both cases the outbreaks were confirmed, four carcasses and organs of pigs being destroyed.

The work of Meat and Food inspection is increasing year by year, and considerable time is spent both within and outside the usual office hours on this work. The number of visits to slaughterhouses was 3,124, and 2,212 visits were made to shops and premises where food is deposited, prepared or exposed for sale. The markets were visited regularly and the stalls inspected.

The following is a summary of the Food destroyed:—

Diseased or unsound Meat:—				tons	cwts.	qrs.	lbs.
Beef	...	7,207	lbs.				
Pork	...	20,559	lbs.				
<hr/>							
27,766 lbs.				12	7	3	18
Other food stuffs:—							
Rabbits	...	...	...			1	22
Fish Roe	...	...	...			2	0
Mackerel	...	...	...			2	14
Tinned Foods:—							
Fruits	...	...	...		6	0	7
Beans	...	...	...				12
Tomatoes	...	...	...				9
Cream	...	...	...				16
Milk	...	...	...			3	0
Sardines	...	...	...			1	18
Sweets	...	...	...				7
Peel (Candied)	...	...	...				20
				<hr/>			
				12	17	1	3
				<hr/>			

Tuberculosis was found to be present in 89 instances in bovine carcasses (5 generalised and 84 localised), and of the porcine carcasses in 906 cases (20 generalised and 886 localised). Localised Actinomycosis was also found to be present in three bovines.

Slaughter of Animals Act, 1933.

The number of licensed slaughtermen in the Borough is now 55. It has not been necessary to take any formal action under the Act, although cautions have been administered in a number of instances. The Electro-Lethaler or captive bolt pistol is used in the slaughter of bovines and pigs. Sheep have not yet been brought within the purview of the Act.

Adulteration, etc.

Two hundred and twenty-one samples of food were submitted to the Borough Analyst for chemical analysis during the year, an increase of 17 samples over the number submitted the previous year. This number, however, is still below the number recommended by the Ministry.

Decisions were given during the early part of the year in relation to summonses issued in respect of "selling as Milk a liquid in the making of which Dried Milk had been used," and also of selling to the prejudice of the purchaser an article of

food not of the nature, substance or quality demanded. In both instances a conviction and fine was recorded.

As will be seen by the Borough Analyst's Report, there has been a decrease in the number of adulterated samples from 9·3 to 6·3.

W. W. FOAKES,
Chief Sanitary Inspector.

REPORT OF BOROUGH ANALYST.

FOOD AND DRUGS ACT, 1928.

I have the honour to report that during the year 1935 the total number of samples submitted to me for analysis was 221, or an increase of 17 on the previous year.

The usual procedure was again followed of purchasing the samples in two ways, formally and informally, the latter method sometimes providing information as to the non-compliance of the foods and drugs with the Adulteration Act.

In the past year, the analysis of 95 official samples showed three to be "not genuine," whilst of the 126 food and drugs obtained informally, eleven were condemned as not up to the requisite standards of quality and purity.

A complete list of the food and drugs analysed is given in the accompanying table, and according to their quality they are divided into three grades:—

- (1) Genuine and of good quality.
- (2) Genuine complying with the official minimum standards, but of poor quality.
- (3) Adulterated.

See Table I., Appendix 9, on page 73.

Of the 221 samples enumerated in the Table, 14 were not in accord with the standards of purity required by the Food Regulations, or the standards of the British Pharmacopœia, and were returned as "not genuine." This represents a percentage of 6·3 on the samples analysed compared with 9·3 in the previous year.

One hundred and twenty-three milks were analysed, and ten of these showed slight deficiencies of fat varying from 3 to 7 per cent. With one exception these samples were taken informally from wholesale dealers delivering to the Borough from a neighbouring County. Information was given to that Authority to investigate at the farm the reasons for the slight fat deficiencies shown by the deliveries to the Borough, and further supplies were, and are still, being kept under observation.

No watered samples of milk were detected during the year, and all the samples analysed were free from preservatives.

Similarly the creams were in accordance with the Regulations for that food, and therefore contained no preservatives.

Two informal samples of sausage were sold without the necessary declaration of the presence of sulphur dioxide. With notice of its presence, 450 parts of the chemical are allowed per million of sausage. In each case the quantity of the preservative was well below this figure. The vendors were cautioned, and warned as to the necessity of strictly complying with the Preservative Regulations, and declaring the presence of the permitted preservative.

The mixed dried fruits contained small quantities of sulphur dioxide, which in no case exceeded the limit for that addition.

Two samples of sweet spirit of nitre, one informal and one formal, were not up to the Pharmacopœia standard as regards ethyl nitrite. The business had quite recently changed hands, and the stock of this perishable drug was old. The whole of this was destroyed, and I understand an assurance was given, that for the future, the drug would be stored on the lines advised by the Pharmacopœia, to avoid deficiency in the active principle. All the other drug samples were genuine.

In addition to the above work two samples of water were analysed.

The public supply was of great organic purity, and quite satisfactory for drinking and domestic purposes. On the other hand a shallow well water was grossly polluted with sewage, and condemned as dangerous and quite unfit for drinking and domestic use.

HARRY SILVESTER, B.Sc., F.I.C.,
Public Analyst.

SECTION F.
PREVALENCE OF, AND CONTROL OVER,
INFECTIOUS AND OTHER DISEASES.

ACUTE INFECTIOUS DISEASES.

The total number of cases of Infectious Disease notified during the year was 1,152, this is an increase of 220 compared with the previous year.

NOTIFIABLE DISEASES (OTHER THAN TUBERCULOSIS) DURING
THE YEAR 1935.

Disease.	Total Cases Notified.	Cases Admitted to Hospital.
Smallpox	—	—
Scarlet Fever	289	205
Diphtheria	221	209
Enteric Fever (including Paratyphoid)	1	1
Puerperal Fever	8	7
Puerperal Pyrexia	18	14
Pneumonia	189	8
Meningitis	1	1
Acute Anterior Poliomyelitis	—	—
Erysipelas	64	17
Measles (up to 5 years of age)	310	1
Ophthalmia Neonatorum	—	—
Encephalitis Lethargica	—	—
Whooping Cough (up to 5 years of age)	45	2
German Measles (up to 5 years of age)	6	2
	<hr/> 1,152	<hr/> 467

The following table gives the notification rates for the principal Infectious Diseases for 1934 and 1935 as compared with the rates for England and Wales.

	Per 1,000 population				Per 1,000 births	
	Scarlet Fever	Diph- theria	Enteric Fever	Erysipelas	Fever	Puerperal Pyrexia
1935.						
WEST BROMWICH	3.51	2.68	0.01	0.78	4.93	11.09
England and Wales	2.96	1.60	0.04	0.42	3.60	9.44
1934.						
WEST BROMWICH	4.46	1.74	0.00	1.01	4.47	10.27
England and Wales	3.76	1.70	0.03	0.51	4.0	9.6

Scarlet Fever.

There were 289 cases notified during the year, this compares with 368 for the previous year; of these 205 cases were admitted to the Isolation Hospital. There was 1 death only from this disease in the Borough. There were 9 Return Cases during the year.

In only 8 of the cases notified as Scarlet Fever and admitted to hospital was there necessity to revise the diagnosis.

The revised diagnoses were as follows:—Rubella, 4; Measles, 1; Simple faucitis, 1; Streptococcal septicaemia, 1; Food Rash, 1.

The disease remained prevalent throughout the year.

The practice was continued of giving intramuscular doses of scarlatinal antitoxin in the more severe cases. The average dose given was about 20 c.cs., and this was followed as a rule by a marked improvement in the condition of the patient.

Admission to hospital of cases of Scarlet Fever was restricted during the first quarter of the year because of the large number of cases of Diphtheria admitted.

Issue of Serum.

During the year 50 c.c. of Scarlet Fever Serum were issued from the Health Department to Medical Practitioners.

Diphtheria.

Notifications received in respect of this disease were 221, of whom 209 were removed to Hospital. This figure shows an increase of 76 from the previous year. Sixteen deaths occurred.

The following table describes the localisation of the disease and the revisions that were made in the diagnosis:—

Total cases diagnosed Diphtheria and admitted						
to Hospital	...	...	...	...	...	215
Faucial Diphtheria	...	...	...	...	...	142
Laryngeal Diphtheria	...	...	...	...	...	11
Nasal Diphtheria	...	...	...	...	...	13
Carriers	...	...	...	...	...	18
REVISIONS.						
Tonsillitis	...	...	...	...	...	22
Pharygeal Abscess	...	...	...	...	...	3
Scarlet Fever	...	...	...	...	...	2
No evidence	...	...	...	...	...	3
Broncho-pneumonia	...	...	...	...	...	1

The Diphtheria epidemic which had appeared in the last quarter of 1934 continued throughout the first quarter of the year, the peak being reached about mid-February, after which date it rapidly declined. The greatest incidence of the disease was among children of elementary school age.

The plan of serum administration detailed in last year's report was continued, and, dividing the 142 cases of faucial disease into the same three groups, the incidence of complications was as detailed below.

Group	Cases	Clinical Evidence of Myocarditis		Paralysis of					
		Slight	Severe	Palate	Ciliary Muscle	Ocular Muscles	Pharynx	Diaphragm	Facial Muscles
1	75	3	—	3	—	—	—	—	—
2	37	4	—	4	1	—	—	—	—
3	30	6	4	15	4	2	2	2	1
	142	13	4	22	5	2	2	2	1

Schick Testing and Immunisation.

Four children under 5 years of age were Schick tested, one proved negative and three were immunised.

Ten School children were Schick tested; nine were immunised the other being negative.

Issue of Anti-toxin.

Diphtheria Anti-toxin is issued from the Health Department to General Practitioners. During the year 584,000 units were thus issued.

Small Pox.

There were no cases during the year.

Vaccination.

The Public Vaccinators' Districts are:—

North East—Dr. K. H. Gill.

South West—Dr. A. D. Gill.

Barr Ward—Dr. J. B. Garman.

Hallam House—Dr. J. S. M. Connell.

The Vaccination Officer reports that 1,118 exemptions from vaccination were obtained, and 440 certificates of successful primary vaccination were received during the year.

There were no vaccinations or re-vaccinations performed during the year by the Medical Officer of Health under the Public Health (Small Pox Prevention) Regulations, 1917.

Appendix 11, page 76, gives a summary of the returns of the Vaccination Officer.

Enteric Fever.

One case occurred in the Borough during the year and was removed to Hospital.

Cerebro-Spinal Meningitis.

Three deaths were recorded—two infants and one adult male. All the cases had been removed to Hospital.

Encephalitis Lethargica.

This disease occurred in one adult male person who died in Hospital.

Poliomyelitis.

No case was notified.

Whooping Cough.

There were 45 cases under 5 years of age notified during the year, compared with 120 in the previous year. Five children died.

Measles.

Three hundred and ten cases were notified compared with 39 during the previous year. There were 11 deaths.

Pneumonia.

One hundred and eighty-nine cases were notified, which compares with last year's figure of 149. There were 110 deaths.

NON-NOTIFIABLE INFECTIOUS DISEASES.**Influenza (including Colds).**

Accurate data of the incidence of this disease for the population as a whole are not available. It is known, however, that 17 persons died as a result of Influenza during the year. On page 21 of the School Medical Officer's Report for 1935 will be found a table compiled from the weekly sickness returns sent in by the Head Teachers, which shows the number of certified cases of Influenza amongst school children for the four quarters of the year.

Amongst school children there were 9,223 cases in 1935 compared with 8,096 in 1934.

Hospital treatment was reserved for the more serious or necessitous cases.

Other Non-Notifiable Infectious Diseases.

These are almost entirely confined to children. Statistics available for school children only, are published in the School Medical Officer's Report for 1935 (page 21).

Rheumatic Fever.

There are no statistics available as to the incidence of Rheumatic Fever in the adult population. Supervision and inspection of cases of Rheumatism in school children is maintained at a special Rheumatic Clinic.

No treatment is undertaken by the School Medical Officer.

On page 19 of the School Medical Officer's Report for 1935, there appears an analysis of the cases on the Rheumatic Register.

Cancer.

The number of deaths from Cancer during the year was 114, the same number as in the previous year.

The following table gives the number of deaths for the last seven years in the various age groups in each sex.

NUMBER OF DEATHS FROM CANCER IN AGE GROUPS FOR 5 YEARS,
1931 TO 1935 INCLUSIVE.

Year	Age Groups														Totals	
	0 to 5		5 to 15		15 to 25		25 to 45		45 to 65		65 to 75		Over 75			
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1931	...	...	...	...	1	1	4	2	35	26	16	11	6	3	62	43
1932	...	...	...	...	...	...	7	4	28	35	20	19	2	13	57	71
1933	...	...	...	...	1	...	3	4	25	25	15	15	4	12	48	56
1934	2	...	...	...	...	1	1	8	35	15	22	16	6	8	66	48
1935	...	...	...	...	...	...	2	8	31	29	20	9	7	8	60	54
	2	...	...	...	2	2	17	26	154	130	93	70	25	44	293	272

CANCER DEATHS, 1935.

Compiled from weekly returns of Local Registrar.

	Age Groups								Totals	
	25 to 45		45 to 65		65 to 75		Over 75			
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Breast	2	...	6	...	...	...	...	...	8
Uterus	1	...	5	...	...	...	1	...	7
Ovary
Vulva	1	...	...	...	...	...	1
Pelvis	1	...	...	...	...	...	1
Stomach	1	1	3	5	4	3	3	2	11	11
Oesophagus	1	...	2	...	...	...	3	...
Bowel	5	3	3	5	1	2	9	10
Rectum	1	3	2	4	...	...	1	7	4
Liver	1	2	2	...	...	...	3	2
Gallbladder	1	...	1	...
Kidney	1	...	...	2	...	...	1	2
Bladder	2	...	1	...	...	...	3	...
Pancreas	1	...	1	...	...	...	2	...
Prostate	3	...	...	...	2	...	5	...
Throat and Mouth	1	1	4	1	1	...	...	...	6	2
Lung	1	6	...	...	...	...	...	6	1
Femur	1	...	...	...	...	...	...	...	1
Humerus	1	...	...	...	...	...	1
Ear	1	...	...	...	...	...	1	...
Rodent Ulcer (site not stated)	1	...	...	1	1	1
Multiple Carcinoma	1	...	...	...	...	...	1
	2	8	31	28	19	10	7	7	59	53

Laboratory.

The following examinations were carried out during the year at the Public Health Laboratory, 2, Lodge Road, by the Medical Officers of the Department.

	Positive.	Negative.	Totals.
Throat Swabs	232	1,884	2,116
Sputum Examinations	92	254	346
Total ...	324	2,138	2,462

Disinfection.

Rooms and houses were disinfected free of charge after cases of Infectious Disease and Tuberculosis, and Cancer deaths. During the year, 503 disinfections were carried out.

There are now 2 Disinfectors in the Borough, 1 at the Infectious Diseases Hospital, Heath Lane, and the other at the Cleansing Station, Lombard Street West.

HOSPITALS FOR INFECTIOUS DISEASES.**Isolation Hospital, Heath Lane.**

There has been no change in the general arrangements.

Small Pox Hospital, Friar Park.

This Hospital was used as an annexe to the Isolation Hospital from 1st January to 14th June, and from 16th October until the 18th December.

The following tables give a summary of the cases dealt with at the Infectious Diseases Hospital during the year:—

NUMBER OF PATIENTS IN HOSPITAL ON 31ST DECEMBER, 1934.

	Scarlet Fever	Diphtheria	Measles	Whooping Cough	Others	Total
West Bromwich	13	59	—	—	1	73
Tipton	1	1	—	—	—	2
Wednesbury	—	—	—	—	—	—
Oldbury	—	1	—	—	—	1
Totals	14	61	—	—	1	76

ADMISSIONS.

	Scarlet Fever	Diphtheria	Measles	Whooping Cough	Others	Total
West Bromwich	204	215	9	2	30	460
Tipton	20	56	—	—	—	76
Wednesbury	8	7	—	—	3	18
Oldbury	1	1	—	—	—	2
Smethwick	1	—	—	—	—	1
Darlaston	—	1	—	—	1	2
Rowley Regis	1	—	—	—	—	1
Dudley	1	—	—	—	—	1
Coseley	—	2	—	—	—	2
Total	236	282	9	2	34	563

NUMBER OF PATIENTS IN HOSPITAL ON 31ST DECEMBER, 1935.

	Scarlet Fever	Diphtheria	Measles	Whooping Cough	Others	Total
West Bromwich	24	21	—	—	1	46
Tipton	4	2	—	—	—	6
Wednesbury	2	2	—	—	—	4
Oldbury	—	—	—	—	—	—
Total	30	25	—	—	1	56

OPERATIONS PERFORMED.

Mastoid Operation	...	...	5
Tracheotomy	...	...	7

VENEREAL DISEASE.

The Authority has an agreement with the City of Birmingham Corporation for the treatment of West Bromwich cases at the Clinic in Birmingham. A few cases are also treated at the Guest Hospital, Dudley.

Local cases treated during the year were as follows:—

	Birmingham.	Dudley.	Total.
Syphilis	11	—	11
Soft Chancre	1	—	1
Gonorrhœa	17	3	20
Conditions other than Venereal	24	5	29
Total New Cases	53	8	61
Total Attendances	2,135	192	2,327
Out-patients	8	—	8
In-patient days	...	...	...

TUBERCULOSIS.

Introduction.

It was thought that it might be of interest to review the requirements of an Anti-Tuberculosis Scheme, and to indicate the progress which has been made in West Bromwich.

The main basis for the Anti-Tuberculosis Scheme is under four heads:—

The essential points are:—

1. Notification by the Medical Practitioners to the Medical Officer of Health of all cases known to be suffering from Tuberculosis.
2. The Tuberculosis Dispensary which acts as
 - (a) a Receiving House and Diagnostic Centre.
 - (b) a Clearing House and Observation Centre.
 - (c) a Treatment Centre for certain cases.
 - (d) a Clinic for the examination of contacts.
 - (e) a Centre for following up and after care until cure has been established.
 - (f) a Bureau of information and education.
3. If the practitioner can deal with these cases at home so much the better, but in the great majority of cases that is impracticable, and therefore beds are provided in a hospital or sanatorium.
4. A system of care and after care.

New Cases and Mortality.

The following table gives the number of new cases brought to the knowledge of the Department during the year and also the number of deaths.

Age Periods	New Cases*				Total	Deaths				Totals
	Pulmonary		Non-Pulm'y.			Pulmonary		Non-Pulm'y.		
	M.	F.	M.	F.		M.	F.	M.	F.	
0-1 ...	...	...	...	1	1	...	...	...	1	1
1-5 ...	...	1	3	2	6	...	1	...	...	1
5-15 ...	2	...	4	3	9	...	1	...	1	2
15-25 ...	12	21	1	5	39	4	14	...	3	21
25-35 ...	16	7	1	...	24	4	6	...	...	10
35-45 ...	8	8	2	...	18	6	3	1	...	10
45-55 ...	5	7	1	...	13	7	5	...	...	12
55-65 ...	4	...	...	...	4	5	1	...	...	6
65 and up ...	1	1	...	...	2	...	...	...	...	...
	48	45	12	11	116	26	31	1	5	63

*Primary notifications and other new cases coming to the knowledge of the Medical Officer of Health.

The subsequent table deals with the deaths from all forms of Tuberculosis and the death-rate per 1,000 of the population for England and Wales and for West Bromwich each year since 1931.

Year	West Bromwich Deaths			Death-rate per 1,000 of the population					
	Pulmonary	Non-Pulmonary	Total	West Bromwich			England and Wales		
				Pulmonary	Non-Pulmonary	Total	Pulmonary	Non-Pulmonary	Total
1931	60	6	66	0.73	0.07	0.80	0.74	0.15	0.89
1932	48	7	55	0.58	0.09	0.67	0.68	0.15	0.83
1933	55	14	69	0.70	0.18	0.88	0.69	0.13	0.82
1934	69	7	76	0.85	0.07	0.92	0.64	0.13	0.76
1935	57	6	63	0.69	0.07	0.76	0.61	0.11	0.72

The numbers of notifications sent to the Medical Officer of Health each year since 1931 are as follows:—

	Pulmonary.	Non-Pulmonary.	Total.
1931 ...	113	35	148
1932 ...	95	20	115
1933 ...	86	20	106
1934 ...	90	24	114
1935 ...	79	18	97

Of these primary notifications, the School Medical Officers notified 2 in 1935.

Delay in Notification.

One cannot stress too frequently the incontrovertible fact that the ultimate prognosis in a case of Pulmonary Tuberculosis is governed largely by the extent of the lesion present at the time of notification. It is with regret, therefore, that one has to record that a considerable proportion of patients continue to be brought to the notice of the Department when the lesion is well-established or far advanced.

As a commentary on the frequency of delay in notification of cases, the following table is instructive.

Year	Deaths from Pulmonary Tuberculosis	Never notified or not till after death	Notified within three months of death	Total not notified till disease far advanced
1931	60	2	16	18
1932	48	7	13	20
1933	55	7	16	23
1934	69	5	17	22
1935	58	10	12	22

It will be observed that 10 cases of Pulmonary Tuberculosis were never notified or not till after death. In addition, 4 cases of Tubercular Meningitis were not notified until after death. This combined total of 14 cases gives a ratio of non-notified Tuberculosis deaths to the total Tuberculosis deaths of 1:4.57 the corresponding ratio for 1934 being 1:7.60.

It was not considered necessary to take specific action to deal with any cases of wilful neglect or failure to notify.

Work of the Dispensary.

Sessions continue to be held as follows:—

Tuesdays: 10 a.m. to 12 noon.

Wednesdays: 5-30 p.m. to 7-30 p.m.

Saturdays: 10 a.m. to 12 noon (School Children).

The number of cases on the Dispensary and Notification Registers during recent years are given in the following table:—

Year	New cases notified	Number on Notification Register 31st Dec.	Number on Dispensary Register 31st Dec.	Total Attendances at Dispensary			Total home visits by Health Visitors
				Examinations	Inspections	Total	
1931	148	477	339	655	2,153	2,808	1,512
1932	115	500	347	640	2,261	2,901	1,584
1933	106	477	341	523	2,174	2,697	1,541
1934	114	478	338	792	2,137	2,929	1,489
1935	97	446	313	754	1,869	2,623	1,391

During 1935 the number of new cases examined was 142, 1 of these having been transferred from another area, while 1 was an old case returned to Public Medical Treatment. There was also examination of 109 new "contacts."

CLASSIFICATION OF CASES ACCEPTED FOR TREATMENT ACCORDING TO AGE, SEX AND TYPE OF DISEASE.

Age Period	0-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	Totals	
										1935	1934
PUL-MONARY											
Males	...	...	...	3	7	14	7	3	..	34	38
Females	...	...	...	9	10	9	3	2	1	34	31
NON-PUL-MONARY											
Males	1	1	3	..	...	1	1	...	...	7	11
Females	1	...	1	2	1	...	...	...	...	5	7
1935	2	1	4	14	18	24	11	5	1	80	...
1934	3	7	6	13	20	19	9	7	3	...	87

CONTACTS AND OBSERVATION CASES ARRANGED ACCORDING TO SEX AND AGE GROUPS.

Age Periods	0-5	5-10	10-15	15-20	20-25	25-35	35-45	45-55	55-65	Totals	
										1935	1934
Observation											
Males	...	...	1	..	...	1	1	...	...	3	7
Females	...	...	...	1	1	1	1	...	1	5	3
Contacts											
Males	7	11	11	6	5	4	1	...	...	45	43
Females	7	15	11	2	7	12	7	2	1	64	43

The following contacts have been examined at the Dispensary during the past five years:—

1931	...	...	...	89
1932	...	...	...	112
1933	...	...	...	92
1934	...	...	...	86
1935	...	...	...	109

Sputum Examinations.

The following examinations were carried out during the year.

Specimens received from	Positive.	Negative.	Total
General Practitioners ...	16	100	116
Dispensary ...	58	134	192
School Clinic ...	—	—	—
Borough Sanatorium ...	18	20	38
	92	254	346
	—	—	—

X-Ray Examinations.

Radiological examination was carried out in the case of 202 patients. The facilities available at the X-ray Department of Hallam Hospital are of the utmost value and the services of Dr. Dyas, Radiologist, are highly appreciated.

Provision of Medicine, etc.

Allowances of Milk, Cod Liver Oil, etc., continue to be provided to Tuberculous patients in accordance with the conditions laid down by the Ministry of Health. Insured patients are referred to their own private practitioners for medicine, etc., others are helped whenever necessary at the Dispensary.

Supervision of Home Conditions.

The Health Visitors paid 1,391 visits (133 first visits, 1,258 re-visits) to the homes of tuberculous patients compared with 1,489 the previous year.

The following table gives details of the sleeping accommodation at the time of notification of cases of Tuberculosis notified during 1935.

No. who occupied a separate bedroom	...	...	...	27
No. who occupied a separate bed in a room occupied by—				
One other person	...	...	...	9
Two other persons	...	...	...	5
No. who occupied a bed in common with—				
One other person	...	...	...	43
Two other persons	...	...	...	8
				—
				92
				—
Number of rooms in houses visited (excluding scullery or shop)—				
One room	...	...	...	—
Two rooms	...	...	...	2
Three rooms	...	...	...	17
Four rooms	...	...	...	37
Five rooms	...	...	...	30
Six rooms	...	...	...	4
Over six rooms	...	...	...	2
				—
				92
				—

5 cases were notified from Institutions, etc., and it was impossible to get particulars re sleeping arrangements, etc.

During the past year 41 tuberculous patients have removed to other houses. Of that number 24 have obtained Corporation houses, 3 have gone into privately owned new houses, and 14 have moved into other houses.

Home Nursing.

The arrangements made with the District Nursing Association for the home nursing of necessitous cases have again proved very useful: 259 visits for home nursing were paid during 1935.

Co-Ordination.

There is complete co-ordination between the School Medical, the Maternity and Child Welfare Services and the Dispensary. The Saturday morning session is devoted almost entirely to the examination of children.

Reports on children found to be suffering from Tuberculosis are furnished weekly to the appropriate departments.

Contacts amongst school children are kept continuously under supervision at the School Clinic, and are referred to the Tuberculosis Officer should any suspicious symptoms arise.

Institutional Treatment.

There are available 24 beds at the Borough Sanatorium, Heath Lane, to which during the year 47 patients were admitted. The Authority continue to retain 12 beds at Romsley Hill Sanatorium. This bed provision is low in comparison with the size of the borough.

Owing to the increased prevalence of Diphtheria, it was found necessary to close the Pavilion at Heath Lane on 8th December, 1934, for cases of Tuberculosis, in order to admit patients suffering from Diphtheria. Some of the Tuberculous patients were well enough to go home. Others were transferred to Hallam Hospital. The Pavilion was re-opened on 16th April, 1935.

The following table gives an analysis of the patients who received residential treatment at one or other of these two Sanatoria.

	M.	F.	C.	Totals
In Sanatorium 1st Jan., 1935 ...	7	2	2	11
Sent during 1935—				
Pulmonary	42	30	...	72
Non-Pulmonary	2	1	2	5
Observation	2	...	...	2
Discharged during 1935—				
Pulmonary	27	12	...	39
Non-Pulmonary ... ..	...	...	1	1
Observation	4	...	...	4
Died in Sanatorium—				
Pulmonary	6	7	...	13
Non-Pulmonary ... ..	...	...	...	...
In Sanatorium 31st Dec., 1935 ...	16	14	3	33

The average duration of stay in Sanatorium was 111 days. The corresponding figures for 1934 and 1933 were 123 and 93 respectively.

Orthopædic Treatment.

The arrangements for out-patient treatment of orthopædic cases at the West Bromwich and District Voluntary Hospital were outlined in the 1933 Report.

	Males.	Females.
Number of patients sent to Orthopædic Hospitals for In-patient treatment ...	3	1
Number of Out-Patient attendances ...	138	14
Number of X-rays	3	1
Apparatus, etc.	3	1

Light Treatment.

There were 411 attendances for Ultra-Violet Light Treatment by patients suffering from Non-Pulmonary Tuberculosis. The great value of this form of treatment may be realised by consulting the separate report on the Ultra-Violet Light Clinic, where improvement of greater or less degree is noted in almost every case.

Dental Treatment.

The arrangement sanctioned by the Ministry of Health for the Dental Treatment of necessitous cases of Tuberculosis at Hallam Hospital continues in force. The National Health Insurance Scheme is found to cover most of the adult patients who require dental attention.

The Public Health (Prevention of Tuberculosis) Regulations, 1925.

The necessity did not arise to serve any notices under Article 5, which empowers the Authority to prohibit an infectious case of Tuberculosis from engaging in the milk trade.

The Public Health Act, 1925.

No action was taken under Section 62, which provides for the compulsory removal to hospital of infectious persons suffering from Pulmonary Tuberculosis, and whose accommodation is such that proper precautions to prevent the spread of infection cannot be taken, or whose habits are such that such precautions are not taken.

After-Care.

The West Bromwich Tuberculosis Voluntary Care Committee was established in 1934. This Committee, of which the Mayor is President, Mr. Joseph Lawley, Chairman, Mr. Douglas Clark, Secretary, and Mr. E. A. Barker, Treasurer, has as its members representatives of practically every organisation in the town, including Manufacturers and Tradesmen's Associations. Excellent work has been done and the members hope to further develop their work during the coming year.

The activities of the Committee include:—

1. Provision of extra nourishment.
2. Provision of clothes, boots, etc.
3. Loan of beds, bedding and mattresses.
4. Provision, loan or repair of surgical appliances, artificial limbs.
5. Loan of sick room requisites.
6. Loan of spinal carriages and bath chairs.
7. Provision of financial aid, maintenance grants while patients are in sanatorium, sums on loan in connection with arrears under the National Health Insurance Act.
8. Endeavour to secure employment of patients as car park attendants and as gardeners.
9. Endeavour to find new housing.
10. Provision of home helps.

SECTION C.**MATERNITY AND CHILD WELFARE.**

This very important branch of Public Health work has continued on satisfactory lines throughout the year. The attendances at the various Clinics have increased from 24,516 during 1934 to 27,031 during the year under review.

A particularly pleasing feature of the work has been the increase in the attendances at the Ante-Natal Clinics, being 1,556 compared with 1,289 during the previous year.

In addition to these Clinics the Maternity Block at Hallam Hospital in conjunction with which Ante-Natal and Post-Natal Clinics are held at the Hospital, has continued to increase in popularity. During the year 194 West Bromwich mothers were confined in the Hospital.

A site was chosen and plans prepared last year for the erection of a new joint Maternity and Child Welfare and School Clinic close to the Charlemont Schools. No further progress can be reported as yet.

Towards the end of the year a scheme was introduced to provide sterilised Maternity Outfits to Midwives at cost price. In addition, a scheme for Home Helps was introduced. In cases of complicated labour, where for special reasons the patient cannot be removed to Hospital and the Doctor in attendance is of the opinion that the advice of a Consultant is necessary, the Medical Officer of Health has been authorised to call in Mr. Connell, the Consultant Obstetrician to see these cases. Where the patient is unable to pay, the fee will be paid by the Maternity and Child Welfare Committee.

SUMMARY OF ATTENDANCES AT CENTRES.

CENTRES	Friar Park	Charle- mont	Greets Green	Boulton Road	Hill Top	High- fields	Ham- stead	Totals
INFANT WELFARE CLINICS—								
Infants under 1 year—								
First Attendances ...	139	76	114	199	156	290	42	1,016
Re-Attendances ...	2,468	1,498	2,214	3,329	2,622	4,911	593	17,635
Total	2,607	1,574	2,328	3,528	2,778	5,201	635	18,651
Seen by Doctor	653	656	326	733	1,029	1,130	133	4,660
Children 1-5 years—								
First Attendances ...	22	16	9	30	25	24	13	139
Re-Attendances ...	827	678	863	1 707	1,123	919	565	6,682
Total	849	694	872	1,737	1,148	943	578	6,821
Seen by Doctor	176	270	116	347	315	318	66	1,608
Average attendance of children per session	69	46	33	54	40	62	25	47
ANTE-NATAL CLINICS—								
Ante-Natal Cases—								
First Attendances ...	...	84	30	60	127	152	19	472
Re-Attendances ...	...	219	61	121	212	425	46	1,084
Total ... ..	...	303	91	181	339	577	65	1,556
POST-NATAL CLINICS—								
First Attendances ...	...	2	...	...	1	...	...	3
Re-Attendances ...	...	...	...	...	...	...	...	...
Total ... ..	...	2	...	...	1	...	...	3

Number of cases of children referred to District Nurses, 91.

ANTE-NATAL WORK.**Ante-Natal Clinics.**

Ante-Natal Clinics are held as follows:—

Highfields	Every Friday, 9-30—11-30 a.m.
Hill Top	First and third Thursdays, 2-15—5 p.m.
Boulton Road	First and third Mondays, 2-15—4 p.m.
Greets Green	Alternate Wednesdays, 2-15—5 p.m.
Hamstead	Alternate Fridays, 3 p.m.
Charlemont	Every Friday, 9-30—10-30 a.m.

A Medical Officer is in attendance at all Ante-Natal Clinics.

In addition, Ante-Natal Clinics are held at Hallam Hospital on Monday and Thursday afternoons, from 2 to 4 p.m., when cases are seen by Mr. Connell, the Consultant Obstetrician. Details of the work done at this Clinic are shown in the Section of the Report devoted to Hallam Hospital.

The attendances at Ante-Natal Clinics each year is shown below.

	New Cases.	Total Attendances.
1931	328	938
1932	375	1,030
1933	336	1,061
1934	402	1,289
1935	472	1,556

In their endeavours to extend this branch of activity the Medical Officers continue to receive the co-operation of the majority of the Midwives.

Although the number of registered births has increased by 92 compared with the previous year, it will be seen that there has been more than a corresponding increase in attendances at the Ante-Natal Clinics.

It cannot be emphasised too strongly that regular and efficient Ante-Natal examination is an important factor in any attempt to reduce the Maternal Mortality rate.

In addition to the above, the mothers who are confined at Hallam Hospital generally make regular attendance at the associated Ante-Natal Clinic prior to admission.

Condition of Expectant Mothers.

Of the 446 patients who attended the Ante-Natal Clinics and were confined during the year, 109 or 24 per cent. presented abnormalities. The greater number of these conditions were such as could be supervised at the Clinics and ameliorated by advice obtained there, while in 22 cases the patients were referred to a general medical practitioner and in 28 cases it was necessary to seek the advise of the Consultant Gynæcologist.

ANALYSIS OF CONDITIONS FOUND AT THE CLINICS IN THE CASES OF EXPECTANT MOTHERS WHO WERE CONFINED DURING 1935.

	High- fields	Bill Top	Charle- mont	Boul- ton Road	Ham- stead	Greets Green	Total
Normal	114	83	64	40	16	20	337
Abnormal	36	30	19	14	6	4	109
	150	113	83	54	22	24	446
Referred to G. P's.	8	8	1	3	2	—	22
Referred to Hallam	13	7	5	3	—	—	28
	21	15	6	6	2	—	50

PRINCIPAL ABNORMALITIES FOUND AT CLINICS.

Ante-Partum Hæmorrhage	7	2	4	4	—	—	17
Contracted Pelvis	6	2	—	3	—	—	11
Malposition	2	2	—	1	—	—	5
Albumenuria	4	2	2	2	—	—	10
Pyelitis	5	—	2	1	—	1	9
Varicose Veins (severe)	9	13	6	4	2	1	35
Vaginal Discharge	4	2	1	1	3	—	11
Heart Disease	1	1	3	1	—	—	6
Hyperemesis	—	1	1	—	—	—	2
Hydramnios	—	2	1	—	—	1	4
Anæmia	2	1	1	1	1	1	7
Epilepsy	2	—	—	—	—	—	2

The following table shows the character of the labour in the above cases and some conditions found thereat.

Normal	...	...	...	...	134	97	71	39	20	26	367
Instrumental	...	...	...	...	9	9	6	12	—	1	36
Induced	...	...	...	...	1	—	—	1	—	—	2
Adherent Placenta	...	...	...	...	3	—	—	—	1	—	4
Placenta Prævia	...	...	...	...	1	—	1	—	—	—	2
Stillbirths and Miscarriages	...	...	...	...	6	9	4	3	1	3	26

Home Visits to Expectant Mothers.

The arrangements for this work were similar to those in previous years.

During the year, the Health Visitors made 586 visits to the homes of expectant mothers, compared with 701 in the previous year.

Feeding of Expectant Mothers.

In appropriate cases dried milk and cocoa and milk are provided at the Centres. In addition, Grade "A" milk is supplied in necessitous cases on the recommendation of a Medical Officer at the Ante-Natal Clinics, or on the application of a private medical practitioner to the Health Department.

Registration and Inspection of Maternity Homes.

There is one combined Maternity and Nursing Home with accommodation for 2 Maternity cases and 3 other cases, 1 Maternity Home for the reception of 2 cases and 1 Home for 1 case.

Inspections of these homes are carried out periodically by the Senior Health Visitor and the Medical Officer of Health.

AT BIRTH.

Work of the Midwives.

In accordance with Rule E22 of the Central Midwives' Board, Medical assistance was summoned on 265 occasions.

Form A. Medical Help:	Mother	...	...	220
	Child	...	...	45
Other Notifications received:—				
Form B. Deaths:	Mother	...	...	—
	Child	...	...	21
Form C. Stillbirths	...	...	...	68
Form D. Laying out the dead	...	...	...	—
Form E. Liable to be a source of infection	...	...	...	9
Form F. Artificial Feeding	...	...	...	8

Supervision of Midwives.

During the year 43 Midwives notified their intention to practice in the area; of these 13 resided outside the Borough and therefore did not come under routine inspection. Of the remainder 10 were attached to Institutions and 1 did not practice. The number of routine visits to Midwives was 67 and special visits 43; the Inspector of Midwives has reported satisfactorily in each instance.

Payment of Midwives' Fees in Necessitous Cases.

The fees of 17 midwives have been paid by the Maternity and Child Welfare Committee under this scheme.

Maternity Homes.*Hallam Hospital.*

See Hallam Hospital Report, page 57.

Private Homes.

Fifty-six confinements took place in Private Nursing Homes during the year.

Maternal Deaths.

During the year 7 mothers lost their lives as a result of childbirth, compared with 7 in the previous year. The causes of death were as follows:—

Puerperal Sepsis	...	...	...	3
Other Causes	...	...	...	4

All Maternal deaths are investigated by the Senior Health Visitor, who is also Inspector of Midwives. As a result of these investigations it was found that 5 of the above cases had received Ante-Natal attention.

	Sepsis		Other Causes.		Total	
	1934	1935	1934	1935	1934	1935
West Bromwich	3.85	1.85	0.64	2.46	4.49	4.31
England and Wales	1.95	1.61	2.46	2.32	4.41	3.93

Puerperal Fever and Pyrexia.

The Authority possess a complete scheme for dealing with this class of case as indicated in previous reports.

Puerperal Fever.

Eight cases were notified during the year, 7 of these were removed to Hospital.

Puerperal Pyrexia.

Eighteen cases were notified, 14 of these were removed to Hospital and 4 were nursed at home; Nurses were supplied by the Authority in cases of necessity.

Ophthalmia Neonatorum.

No case of Ophthalmia was notified during the year.

THE INFANT AND THE YOUNG CHILD.**Registration and Notification of Births.**

	Legitimate.		Illegitimate.		Total.
	M.	F.	M.	F.	
Live Births Registered	774	740	15	22	1,551
	Legitimate.		Illegitimate.		Total.
	M.	F.	M.	F.	
Stillbirths	...	...	43	28	72

BIRTHS NOTIFIED.

LIVE BIRTHS.				
Doctors	...	...	...	26
Parents	...	...	...	—
Midwives	...	...	...	1,258
Nursing Homes	...	...	...	52
Hospitals	...	...	...	180
Registrar	...	...	...	12
Transfers	...	...	...	5
				1,533

STILL BIRTHS.				
Doctors	...	...	...	1
Parents	...	...	...	—
Midwives	...	...	...	46
Nursing Homes	...	...	...	4
Hospitals	...	...	...	21
Transfers	...	...	...	—
				72

Home Visits.

The number of visits made to children under 12 months of age during the year was 7,931, 1,519 being first visits and 6,412 subsequent visits; the number of visits made to children between 1 and 5 years was 16,722, making a total of 24,653 visits made by the Health Visitors to children under 5 years of age.

Infant Welfare Centres.

A table showing the attendances at the Infant Welfare Centres is printed on page 44. It will be observed that there has been a slight increase in the attendances.

Voluntary Helpers.

Councillor Mrs. Smallman and all the ladies of the Voluntary Association have again rendered valuable assistance at the Centres throughout the year. It is true to state that without this assistance, so willingly given, it would be an almost impossible task to cope with the volume of work.

Home Nursing.

The Maternity and Child Welfare Committee make an annual grant to the District Nursing Association for the nursing of cases of Measles, Whooping Cough, Pneumonia and Ophthalmia Neonatorum, which are referred to them by the Medical Officer of Health.

During the year 31 cases were dealt with for this purpose by this Association.

Treatment by Artificial Light.

A report on the work of the Ultra Violet Light Clinic is given on pages 9 to 11.

Orthopædic Treatment.

All children found to require this form of treatment were referred to the West Bromwich and District General Hospital or to the Royal Cripples' Hospital, Birmingham.

The arrangements whereby children suffering from crippling defects are treated at the West Bromwich and District Hospital were reported in detail in the Report for 1932. During the year the following children under 5 years of age received the under-mentioned forms of treatment:—

	Boys.	Girls.
No. of Children	7	7
No. of Out-patient attendances ...	16	13
No. of Children on Massage ...	1	2
No. of Attendances for Massage	18	49
No. of In-patients	1	—
Length of stay	17 days	—
No. of children X-rayed	1	2
No. of X-rays	1	2
No. of children ordered repairs, irons, plaster, etc.	1	2

Ophthalmic Clinic.

All infants attending the Centres found to be suffering from squint have an opportunity of receiving treatment at a Special Eye Clinic. The following summary shows the work carried out during the year.

Number of Clinics held	4
Number of Infants examined	27
Number of cases in which Glasses were prescribed	22

Glasses are provided at contract prices, and the parents charged in accordance with the family income.

Minor Ailments.

There is no general provision for the treatment of minor ailments at Clinics, but minor dressings are occasionally carried out.

Aural Clinic.

Facilities are now offered for the treatment of Otorrhœa in children under 5 years of age at the Aural Clinic, held at the Central School Clinic, Lombard Street West, every Monday morning. Children (discovered by Health Visitors, either at Infant Welfare Sessions or during Home Visits), suffering from Otorrhœa, and who are not receiving treatment elsewhere are invited to attend this Clinic. During the year 8 children received treatment.

Treatment of Tonsils and Adenoids.

During the year 13 children were referred to Hallam Hospital and received operative treatment for the removal of Tonsils and Adenoids.

Provision of Milk and Food.

Dried milk, Cod Liver Oil, Virol, etc., are available at all Centres, and are distributed strictly in accordance with Circular 185, issued by the Ministry of Health in March, 1921.

Extra nourishment to expectant and nursing mothers and to sick children under 5 years of age has been issued from the Health Department under the Maternity and Child Welfare Act on receipt of a Medical Note, instead of by way of Public Assistance.

FOOD ISSUED AT THE CENTRES DURING 1935.

To Expectant Mothers	42
To Nursing Mothers	71
To Infants	304

WET MILK AND EXTRA NOURISHMENT ISSUED ON MEDICAL NOTES FROM THE HEALTH DEPARTMENT.

To Expectant Mothers	21
To Nursing Mothers	92
To Infants	67

The total quantity of wet milk issued amounted to 815 gallons and 5 pints, at a cost to the Committee of £102 7s. 8d.

PURCHASES AND SALES OF DRIED MILK, ETC., AT THE CENTRES.

	£
Purchases of Dried Milk, etc.	1,288
Cost of Administration	51
	<hr/>
	1,339
Less Sales	955
	<hr/>
Cost to Committee	384
	<hr/>

Care of Illegitimate Infants.

Assistance is rendered in this work, and also in the care of mothers of illegitimate children by the West Bromwich Girls' Welfare Society. The Maternity and Child Welfare Committee make an annual grant to this Society for services rendered, and pay the expenses of selected cases sent to Homes.

Infant Life Protection.

At the end of 1934, there were 12 adopted children on the Register. During 1935, 8 new cases were reported, and 5 were removed from the Register, 3 were legally adopted, 2

were removed from the Area, leaving 15 children on the Register. All these children were visited and the homes inspected regularly. Reports were made quarterly to the Maternity and Child Welfare Committee.

Summary of Visits Paid by Health Visitors during 1935.

To Expectant Mothers	586
To Infants under 1 Year—	
1st Visits	1,519
Re-visits	6,412
	7,931
To Children, 1—5 Years	16,722
Maternal and Infant Death Enquiries ...	155
Ophthalmia Neonatorum Visits	—
Still Birth Enquiries	67
Re Maternity Fees	126
Miscellaneous visits (including Infectious Diseases)	2,892
	28,479

Infant Mortality.

Number of Deaths under 4 weeks	45
Total number of deaths under 1 Year of age ...	131
Infant Mortality Rate	84·5

It will be observed from Appendix 13, page 85, that the chief causes of death during the year were—Diarrhœa, etc., 25, Pneumonia 29, and Prematurity 45: 75 per cent. of the total infantile mortality was due to these causes. The infant mortality rate for England and Wales during 1935 was 57 compared with 59 in the previous year, and for the 121 County Boroughs 62 compared with 63 in the previous year.

SECTION H.

HALLAM HOSPITAL.

A perusal of the following Section in conjunction with Tables I. to V., Appendix 15, pages 87 to 95, will give some indication of the variety and volume of work performed during the year.

During last year, a site was chosen and plans prepared for a new Maternity block of 30 beds. Owing to local difficulties, the scheme, although very necessary, did not progress any further.

During the year the Hospital has continued to serve the various Authorities in the following approximate proportions: County Borough of West Bromwich, 51.57%; City of Birmingham, 20.2%; County of Worcester, 16.73%; County of Stafford, 11.4%; County Borough of Smethwick, 10%. The arrangements which obtained prior to the 1st April, 1930, have been continued during 1935.

Staff.

Chief Administrative Medical Officer.

J. YULE, M.D., D.P.H., Medical Officer of Health.

VISITING MEDICAL STAFF.

Senior Physician and Medical Superintendent.

DOUGLAS STANLEY, M.D., F.R.C.P.,

Emeritus Professor of Pharmacology and Therapeutics, Birmingham University.

Mental Specialist.

W. A. POTTS, M.A., M.D.,

Psychological Expert to the Birmingham Justices.

Surgeons.

L. A. DINGLEY, M.D., F.R.C.S.

B. T. ROSE, B.Sc., M.Ch., F.R.C.S.,

Assistant Lecturer on Clinical Surgery, University of Birmingham.

Gynaecologist.

J. S. M. CONNELL, F.R.C.S. (Edin.).

Aural Surgeon.

F. BRAYSHAW GILHESPY, M.R.C.S., L.R.C.P., D.L.O.

Ophthalmic Surgeon.

J. JAMESON EVANS, M.D., F.R.C.S.

Radiologist.

G. E. DYAS, M.B., B.Ch., D.M.R.E.

Surgeon Dentist.

W. TREGGA, L.R.C.P., L.R.C.S., L.D.S.

RESIDENT MEDICAL STAFF.

- 1 Resident Surgical Officer.
 2 House Physicians.
 1 House Surgeon.

Matron—Miss ASHWORTH. *Assistant Matron*—Miss A. HARDING.

Steward—Mr. A. E. HEAVEN.

Laboratory Technologist—Mr. L. C. BROOKES.

NURSING STAFF.

The Nursing Staff consists of:—

- | | |
|-------------------|------------------------|
| 1 Night Sister. | 1 Maternity Sister. |
| 1 Home Sister. | 2 Masseuses. |
| 1 Sister Tutor. | 7 Ward Sisters. |
| 1 X-Ray Sister. | 1 Housekeeping Sister. |
| 1 Theatre Sister. | 24 Staff Nurses. |
| 58 Probationers. | |

PORTERS.

- 1 Mortuary Custodian. 9 Porters.

CLERICAL STAFF.

- 2 Male Clerks. 1 Female Clerk.
 2 Telephonists.

WORK OF THE HOSPITAL DURING 1935.**Dr. DOUGLAS STANLEY's Report.**

The work of the Hospital during 1935 did not show any marked difference compared with the previous year, the figures being much the same, and the types of diseases treated in all departments were up to the average.

Medical Department.

In this department the greater number of cases were, as usual, diseases of the respiratory system; of these pneumonia in various forms, was the chief ailment.

In the treatment of medical diseases the latest methods were applied. Attention may be drawn to the more rapid and effective method of dealing with chorea, a disease which is very prevalent in West Bromwich. Each year sees the introduction of improved methods of investigation in the field of clinical medicine; and hospital practice tends to become more complicated; thus the assistance required from the house physicians and the laboratory increases as time goes on. It is satisfactory to note that this assistance was ably and willingly afforded.

Surgical Department.

The surgical work was maintained at a very satisfactory level of efficiency during the year. In the twelve months 526 major operations of all types were performed and 950 minor, making a grand total of 1,476 operations in the main theatre.

The Dental Surgeon dealt with 234 patients and performed 639 extractions.

The surgical work was extremely varied and very interesting, the results were excellent. The level of the surgical nursing was raised and the theatre team work improved.

The work of the senior Resident Surgical Officer has been most skilful and was much appreciated by the Surgical Staff.

New methods of treatment, notably for urinary infections and burns, were tried and proved useful.

Ear, Nose and Throat Department.

The increasing work of the department which has been noted in preceding years was continued during 1935. This was mainly due to the larger admission of patients suffering from diseased tonsils, there being nearly a 50% increase over the figures for 1933. It is satisfactory to record that of the 459 tonsilectomies performed during the year, only two patients were re-admitted on account of minor complications.

It is inevitable that there should be a waiting list of patients suffering from diseased tonsils, though it is almost exclusively composed of children referred from School Clinics. During the summer months a determined effort was made to eliminate the accumulated arrear of over 100 patients. The effort was successful and the list was brought entirely up to date. It is anticipated that a continuation of this procedure will provide a considerable acceleration in the service available and a consequent reduction in the length of the waiting list.

The installation of a set of steel roller blinds to the windows of the operating theatre has proved an exceedingly valuable addition to the equipment and amenities of the department.

Ophthalmological Department.

The cases referred for ophthalmic opinion during the year, were about average in number and character and were drawn from the Medical, Surgical, Gynæcological and Ear and Throat Departments—a preponderating number being from the Medical Wards.

Local diseases and injuries of the eyes were of usual character apart from one case of ophthalmia neonatorum which, however, made a complete and uneventful recovery. Operations were performed for cataracts. These and other ophthalmic cases all made good progress and recovery.

Mental Observation Wards.

In the Hospital 85 mental patients were treated; of those 3 died. Cases unmanageable in the Hospital were removed to the Observation Wards. Of these, 13 were certified; after removal 9 died and the remainder were discharged improved. Of the deaths, 5 were due to senile dementia and 2 to G.P.I. Many of the patients were found to be suffering from chronic toxæmia, and in them the elimination of foci of infection proved to be of considerable benefit.

X-Ray Department.

The following are the figures of the various examinations and treatments in the X-Ray Department:—

Radiographs	...	...	...	1,542
Screen examinations	...	...	...	127
X-Ray treatment	...	...	...	85
Artificial light	...	...	...	2,013

No new apparatus of importance was installed in the year under review.

Pathological, Bio-Chemical and Bacteriological Department.

The work of this department showed an increase in value. New methods were applied in many forms of investigation and the help afforded to the clinical departments during the year was of the utmost use.

Very few replacements have been made for some years but as pointed out recently it will be necessary to purchase new apparatus during 1936 as some pieces are showing marked signs of wear.

It may be emphasized again that among the laboratories attached to any of the larger hospitals in the country, that of Hallam is among the most economical in its working. Table V. of Appendix 15 shows the scope and extent of the examinations made during the year.

Nursing Department.

The following are the examination results for 1935.

C.M.B. EXAMINATIONS.

Entries.	Passes.	Failures.
15	9	6

STATE FINAL EXAMINATIONS.

Entries.	Passes.	Failures.
27	20	7

STATE PRELIMINARY EXAMINATIONS.

Entries.	Passes.	Failures.
18	17	1

FINAL HOSPITAL EXAMINATIONS, 1935.**By EXTERNAL EXAMINERS.**

18 entries	-	-	18 passes.
One Gold Medallist	-	-	589 marks out of 600.
One Silver Medallist	-	-	586 „ „ „ „
Sixteen Bronze Medallists.			

REPORT OF GYNÆCOLOGIST.

Many Gynæcological patients are being referred from other hospitals, owing to pressure on beds, and this department is, therefore, being well used.

The figures for the Maternity Department are similar to those of former years, with the exception of an increase in the Maternal mortality rate. A study of these cases may suggest a need for increased facilities for Ante-natal work in the Borough, to counteract the rising tendency for pregnancy and parturition to be complicated. More use is being made of the Ward for Ante-natal In-patient treatment, and this ward is constantly filled with patients who, without this treatment, would potentially run grave risks.

Much is hoped from the Midwives' Bill, at present before Parliament, in giving a wider interest in, and more control of, Ante-natal supervision.

MATERNITY.

Synopsis of Causes of Death.

JANUARY, 1935.

Maternal death 4 days after parturition. Post-mortem examination revealed Sub-acute toxic of liver and nephritis.

MARCH, 1935.

Maternal death before parturition; patient in first stage of labour.

Thyroid enlargement and pregnancy.

Post-mortem examination revealed huge subarachnoid hæmorrhage.

JULY, 1935.

Maternal death due to severe anæmia, followed by heart failure.

OCTOBER, 1935.

1. Toxic ante partum hæmorrhage concealed and revealed.
2. Central placenta prævia.

DECEMBER, 1935.

1. Septicæmia, followed by peritonitis.
2. Similar case to above.
3. Advanced phthisis. Ante partum hæmorrhage due to central placenta prævia, manual removal of placenta.

Out of the eight cases cited five received no ante natal supervision.

The Medical Staff wish again to bear testimony to the efforts of the Matron, Miss Ashworth, in promoting the welfare of the patients and resident staffs.

DOUGLAS STANLEY, M.D., F.R.C.P.
Senior Visiting Physician.
Chairman of the Medical Committee.

SECTION I.
HEALTH EDUCATION.

Continuous educative work was carried out by the Medical Officers and also by the Health Visitors in the course of home visitation.

The Civic Pride Campaign Committee continued its praiseworthy endeavours to make the town brighter, cleaner and healthier. The co-operation of the Local Press was most helpful and greatly appreciated.

The former Empire Marketing Board's frames were utilised for exhibiting the series of posters issued by the Central Council for Health Education.

"Better Health" journal was issued monthly by the Department, and introductory letters were contributed by the Medical Officers of the Department.

APPENDIX I.

METEOROLOGY.

CLIMATOLOGICAL STATION, DARTMOUTH PARK.

543·3 FEET ABOVE SEA LEVEL.

	1935.
Highest Mean Temperature	64°
Lowest Mean Temperature	34°
Total Rainfall	30·79"
No. of Days on which rain fell	168

THIRD QUARTERS.

Mean atmospheric Temperature	61°
Amount of Rain	6·25"

TAKEN AT 9 A.M. LOCAL TIME.

	Mean Reading of Barometer. in.	Reading of Self- Registering Thermometers.		Mean Temperature at 9 a.m. Readings	Total Rainfall.
		Max. in Air.	Min. in Air.		
January	29·69	43	36	37	0·94
February	29·14	47	34	39	2·48
March	29·59	51	34	42	0·69
April	29·25	55	37	44	3·55
May	29·58	62	38	48	1·36
June	29·32	69	49	59	2·60
July	29·53	76	53	63	0·39
August	29·45	75	53	61	2·01
September	29·27	65	47	54	3·85
October	29·23	56	41	47	3·41
November	29·09	48	37	41	5·84
December	29·12	40	30	33	3·67
Total or Average	352·26 29·35	687 57	489 41	568 47	30·79

APPENDIX 2.

VITAL STATISTICS OF WHOLE BOROUGH DURING 1935 AND PREVIOUS TEN YEARS.

Years	Population R.G. estimation to middle of each year	Nett Births		Nett Deaths belonging to the District				Births and Deaths, Illegitimate Children		
		Number	Rate	Under 1 year		At all Ages		Nett Births	Nett Deaths under 1 year	Death rate under 1 year per 1,000 Illegitimate Births
				Number	Rate per 1,000 nett Births	Number	Rate			
1925	79,490	1,821	22.9	180	98.8	950	11.9	48	10	95
1926	79,920	1,804	22.6	143	79.2	874	10.9	55	9	163
1927	81,140	1,643	20.2	176	107.0	1,015	12.4	45	6	133
1928	80,680	1,686	21.0	126	74.7	843	10.5	34	6	176
1929	80,840	1,682	20.8	179	106.4	1,211	14.9	50	8	160
1930	81,510	1,671	20.5	111	66.0	923	11.3	39	3	77
1931	82,160	1,698	20.66	146	86.0	998	12.1	64	7	109
1932	82,210	1,522	18.51	147	96.0	965	11.7	38	6	158
1933	81,840	1,397	17.07	142	101.6	978	11.9	42	9	214
1934	82,200	1,489	18.11	99	66.5	943	11.4	43	8	186
10 years' average	81,199	1,641	20.23	145	88.2	970	11.9	46	7	149
1935	82,300	1,551	18.84	131	84.5	1,005	12.2	37	5	135

APPENDIX 3.

TABLE SHOWING THE BIRTH-RATE, DEATH-RATE, ETC., IN THE VARIOUS WARDS DURING 1935.

Wards	Population, Census 1931	Dwellings, Census 1931	Persons per Room, Census, 1931	Persons per Acre, 1931	No. of Deaths	Death Rate	Infants' Deaths	Infant Mortality Rate	No. of Births	Birth Rate	
N. E.	Sandwell ...	6,296	1,538	0.79	5.0	60	10.4	4	55	73	12.7
	Lyndon ...	13,984	2,804	0.98	7.1	148	9.6	29	72	403	26.2
	Tantany ...	12,466	2,903	0.95	43.3	148	12.3	16	79	202	16.5
	Hill Top ...	9,539	1,915	1.21	12.8	151	15.6	25	125	200	20.6
	Barr ...	1,894	418	0.97	1.4	24	12.3	2	62	32	16.5
S. W.	Spon Lane...	8,429	1,866	1.07	29.0	110	13.4	13	117	111	13.5
	Lyng ...	10,251	2,304	1.01	25.1	139	13.1	11	59	185	17.2
	Town Hall...	8,821	2,005	0.95	36.5	115	12.2	17	97	175	18.6
	Greets Green	9,623	1,995	1.19	16.0	110	12.4	16	94	170	18.6

APPENDIX 4.
TOTAL DEATHS BY CAUSE, AND AGES DURING THE YEAR 1935.

CAUSES	Deaths of residents occurring within or without the district									
	All Ages	Und'r 1 year	1 to 2	2 to 5	5 to 15	15 to 25	25 to 45	45 to 65	65 to 75	75 and over
Typhoid and Paratyphoid Fevers	...	...	...	...	...	...	...	...	...	...
Measles	11	...	7	1	3	...	...	...	...	...
Scarlet Fever	1	1	...	...	...	...	...	...	...	...
Whooping Cough	5	3	1	1	...	...	...	...	...	...
Diphtheria	16	...	1	6	8	1	...	...	...	...
Influenza	17	...	...	...	...	...	4	9	3	1
Encephalitis Lethargica	1	...	...	...	...	...	...	1	...	...
Cerebro-Spinal Fever	3	...	2	...	...	...	1	...	...	...
Tuberculosis of the Respiratory System	57	...	...	1	1	19	18	17	1	...
Other Tuberculous Diseases	6	1	...	...	2	2	1	...	...	...
Syphilis	3	1	...	...	...	1	1	...	...	...
General Paralysis of the Insane, Tabes Dorsalis	4	...	...	...	...	1	3	...	...	...
Cancer, Malignant Disease	114	...	...	...	...	10	60	29	15	...
Diabetes	12	...	...	...	...	3	4	3	2	...
Cerebral Hemorrhage, etc.	48	...	...	...	...	1	11	12	24	...
Heart Disease	143	1	...	...	4	5	7	53	35	38
Aneurysm	2	...	...	...	...	1	1	...	1	...
Other Circulatory Diseases	31	...	...	...	...	1	5	16	9	...
Bronchitis	56	9	1	1	1	1	13	14	16	...
Pneumonia (all forms)	110	29	12	10	10	5	14	22	5	3
Other Respiratory Diseases	14	2	...	...	...	...	1	5	1	5
Peptic Ulcer	8	...	...	...	...	...	2	3	3	...
Diarrhoea, etc.	38	25	3	...	...	...	1	1	1	7
Appendicitis	3	...	...	...	...	2	1	...	...	...
Cirrhosis of Liver	1	...	...	...	...	...	1	...	...	...
Other Diseases of Liver, etc.	4	...	...	...	1	...	1	2	...	...
Other Digestive Diseases	24	2	1	...	3	...	5	8	3	2
Acute and Chronic Nephritis	35	...	...	...	2	3	6	6	12	6
Puerperal Sepsis	3	...	...	...	...	...	3	...	...	...
Other Puerperal Causes	4	...	...	...	...	...	4	...	...	...
Congenital Debility, Premature Birth, Malformations, etc.	48	45	1	...	...	2	...	...	...	...
Senility	53	...	...	...	...	...	...	...	10	43
Suicide	13	...	...	...	...	2	...	7	3	1
Other Violence	38	1	1	3	7	4	10	2	1	9
Other Defined Diseases	76	11	1	1	6	3	17	17	9	11
Causes Ill-defined or Unknown	3	...	...	...	...	...	...	1	2	...
Totals	1005	131	31	24	48	50	114	251	164	192

APPENDIX 5.

DEATH-RATES FROM THE MORE IMPORTANT CAUSES OF DEATH DURING 1935,
AND TEN PREVIOUS YEARS.

Year	Pneumonia (all forms except Influenzal Pneumonia)		Bronchitis & other Respira- tory Diseases (excluding Pneumonia & Tuberculosis)		Influenza		Pulmonary Tuberculosis		Non-Pul. Tuberculosis		Heart Disease		Cancer		Puerperal Sepsis		Other Diseases or Accidents of Pregnancy & Parturition	
	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate	Deaths	Death Rate per 1,000 Births	Deaths	Death Rate per 1,000 Births
1925	115	1.4	105	1.3	37	.46	59	.74	13	.16	58	.72	93	.92	5	2.7	3	1.5
1926	95	1.1	81	1.0	22	.27	47	.58	16	.20	89	1.1	102	1.2	2	1.1	4	2.2
1927	237	2.9	84	1.0	64	.78	46	.56	8	.09	104	1.2	79	.97	1	.6	3	1.8
1928	78	0.97	65	0.75	18	.22	61	.75	8	.099	114	1.42	91	1.13	2	1.2	2	1.2
1929	176	2.1	110	1.3	78	.96	56	.69	15	.19	152	1.8	87	1.07	4	2.4	4	2.4
1930	100	1.2	52	0.64	25	.31	57	.70	11	.13	155	1.9	105	1.30	2	1.2	2	1.2
1931	116	1.4	89	1.08	29	.35	60	.73	6	.07	166	2.02	105	1.28	4	2.35	4	2.35
1932	92	1.1	79	0.96	15	.18	48	.58	7	.09	138	1.68	128	1.55		...	9	5.71
1933	107	1.31	61	0.78	32	.39	57	.70	15	.18	158	1.93	104	1.27	6	4.13	3	2.06
1934	79	0.96	72	0.87	18	.22	70	.85	6	.07	156	1.89	114	1.38	6	3.85	1	0.64
1935	110	1.34	70	0.85	17	.21	57	.69	6	.07	143	1.74	114	1.38	3	1.85	4	2.46

APPENDIX 6.
BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING THE YEAR 1935.

	BIRTH-RATE PER 1,000 POPULATION		ANNUAL DEATH-RATE PER 1,000 POPULATION										RATE PER 1,000 BIRTHS	
	Live Births	Still-Births	All Causes	Enteric Fever	Small-pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Violence	Diarrhea and Enteritis (under Two Years)	Total Deaths under One Year	
England and Wales	14.7	0.62	11.7	0.00	0.00	0.03	0.01	0.04	0.08	0.18	0.52	5.7	57	
121 County Boroughs & Great Towns including London	14.8	0.68	11.8	0.00	0.00	0.04	0.01	0.04	0.09	0.16	0.45	7.9	62	
140 Smaller Towns (Estimated Populations 25,000-50,000 at Census 1931)	14.8	0.64	11.2	0.00	0.00	0.03	0.01	0.03	0.07	0.17	0.41	3.8	55	
London	13.3	0.52	11.4	0.00	0.00	0.00	0.01	0.04	0.06	0.11	0.51	11.2	58	
WEST BROMWICH	18.84	0.87	12.2	0.00	0.00	0.13	0.01	0.06	0.19	0.21	0.62	9.2	84	

**INFORMATION REQUIRED BY THE MINISTRY OF HEALTH REGARDING CLINICS AND TREATMENT CENTRES
AVAILABLE FOR THE DISTRICT.**

Service.	Situation.	Days Open.	Purpose.	By whom provided
Anti-Tuberculosis Dispensary	Health Dept., 2 Lodge Rd.	Tues. and Sat. mornings 10 to 12 Wed. evenings, 5-30—7-30	Consultation and Treatment	West Bromwich Corporation
Maternity and Child Welfare	(1) Highfields (2) 158a Hill Top (3) Greet's Green (4) Boulton Road (5) Hamstead, Miners' Institute (6) Charlemont Methodist Church Hall (7) Friar Park Road (8) Hallam Hospital	Mon. & Wed., 2-15 p.m. Friday, 9-30 to 11 a.m. Tues. and Thurs., 2-15 p.m. Mon. and Wed., 2-15 p.m. Tues. and Thurs., 2-15 p.m. 1st and 3rd Mon., 2-4 p.m. Friday, 2-15 p.m. Fri., 9-30—10-30 a.m., 2-15 p.m. Wed., 2-15 p.m. Mon. and Thurs. afternoons	(a) Ante-Natal Clinic (b) Infant Consultations (c) Issuing Dried Milk (a) Infant Consultations (b) Issuing Dried Milk (a) Ante-Natal Clinic (b) Post-Natal Clinic	Rented by Authority Rented by Authority Purchased by Authority Purchased by Authority Rented by Authority Rented by Authority Free use West Bromwich Corporation Education Authority
School Clinics	(1) Central Clinic, Lombard Street West (2) Boulton Road (3) Hill Top School (4) Greet's Green (part of M. and C. W. premises) (5) Charlemont Methodist Church Hall (6) Hamstead, The Institute	Every Day (see School Report) Tues. and Thurs. mornings. Mon. afternoon, Fri. morning Tues. morning, Thurs. afternoon Mon., Wed., and Fri. mornings Fri. morning	Minor Ailments, Dental, Aural, Ophthalmic, Remedial Exercises Minor Ailments Ditto Ditto Ditto Ditto.	Ditto Ditto Ditto Ditto Ditto West Bromwich Corporation
Ultra Violet Light Clinic	Health Dept., 2 Lodge Rd.	(a) Tuberculosis cases. Mon., and Fri. mornings (b) M. and C. W. and School cases. Mon. and Fri. afternoons	Out and In-patients	Subsidised
Venereal Diseases	(1) General Hospital, Birmingham (2) Guest Hospital, Dudley	Males and Females: Daily except Sat. & Sun., 10 a.m. to 12 noon and 5-15 to 7-15 p.m. Males: Tues. and Fri., 7 p.m. Females: Wed., 3 p.m.	Out and In-patients	Voluntary

APPENDIX 8.

TABLE I.

SUMMARY OF INSPECTIONS CARRIED OUT BY SANITARY INSPECTORS
DURING 1935.

House-to-House Inspections	...	...	...	562
Special Housing Inspections	...	...	...	5,055
Miscellaneous Inspections, including the Inspection of common yards and houses concerning which complaints have been received	...	...	...	4,364
Re-inspections	...	...	...	4,138
Visits to Slaughter-houses	...	...	...	3,124
Visits to Dairies, Cowsheds and Milkshops	...	...	...	316
Visits to Shops and Food Places	...	...	...	2,212
Visits to Bakehouses, Factories and Workshops	...	...	...	94
Visits to Common Lodging Houses and Houses let in Lodgings	...	...	...	180
Visits to Theatres, etc.	...	...	...	21
Visits to Offensive Trade Premises	...	...	...	46
Sundry Visits	...	...	...	546
Visits in connection with Fumigation	...	...	...	1090
				<hr/> 21,748 <hr/>
Number of Preliminary Notices Served	...	...	...	1,113
Number of Statutory Notices Served	...	...	...	243
Number of Letters written to Owners re Nuisances	...	...	...	97
Number of Letters written to Owners re Ashbins	...	...	...	31
Reports sent to Housing Manager re Nuisances, etc.	...	...	...	52
Reports sent to Borough Surveyor re Dangerous Buildings, etc.	...	...	...	27
Number of Rooms Disinfected	...	...	...	503
Applications for Certificates under Rent Act...	...	...	...	4
Number of Certificates Granted	...	...	...	4

APPENDIX 8—continued.

TABLE II.
PARTICULARS OF HOUSE TO HOUSE INSPECTIONS.

No. of District	Total House Inspections	Through	Single	Back to back	Bedrooms			Working Class	Others	Popu- lation	Overcrowding			More than 1 Family	Unfit	Below Standard	Seriously Defective	Want of Minor Repairs and Cleansing	Fair	Privy System	Not Sewered	
					1	2	3 or more				R. G. Standard	Cubic Space	Moral									
1.—G. H. SHAW ...		Houses inspected in connection with the Barracks Area, Crookhay Area, and Pikehelve Areas "A," "B," "C" and "D."																				
2.—F. A. OAKES ...		Houses inspected in connection with Rydding Square Areas "A" and "B," Witton Lane Area, Old Row Area, and Tunnel Road and Pleasant Street Area.																				
3.—J. BULLOCK ...		Houses inspected in connection with the Barracks Area, Crookhay Area, and Pikehelve Areas "A," "B," "C" and "D."																				
4.—C. N. JOHNSON		Houses inspected in connection with Rydding Square Areas "A" and "B," Witton Lane Area, Old Row Area, and Tunnel Road and Pleasant Street Area.																				
5.—E. N. FIRTH ...	562	562	...	...	...	...	562	...	2553	...	...	...	53	...	...	...	471	91	...	...	...
Totals ...	562	562	...	...	...	562	...	...	2553	...	...	...	53	...	...	...	471	91	...	...	...

APPENDIX 8—continued.

TABLE III.

PRELIMINARY NOTICES SERVED AND NUMBER OF HOUSES IN CONNECTION THEREWITH.

	Notices Served	Houses in connection with Notices 1935
	1935	
To make Houses fit for Habitation ...	67	101
Dirty and Dilapidated Houses ...	279	393
Dirty and Dilapidated Out-buildings ...	64	143
Defective Paving and Surface Channels ...	6	17
Defective Eaves and Down Spouting ...	15	23
Choked Drainage and W.C.'s ...	95	218
Insufficient Ashbin Accommodation ...	460	985
Defective W.C. Connections and Flushing Apparatus ...	21	50
Dirty State of Sanitary Conveniences ...	28	28
Overcrowded Rooms ...	2	2
Animals Improperly Kept ...	2	2
Dirty Yards and Offensive Accumulations ...	11	15
Water in Cellars ...	3	4
Insufficient Water Supply ...	7	21
Filthy Bakehouses ...	1	1
Dangerous Wells and Cisterns ...	4	7
Workshops with Insufficient and Defective W.C. Accommodation ...	6	6
Insufficient Water Supply to W.C. ...	11	13
Miscellaneous ...	31	52
Totals	1,113	2,081

APPENDIX 8—continued.

TABLE IV.

SANITARY IMPROVEMENTS CARRIED OUT IN DISTRICT IN PURSUANCE OF
INSPECTIONS MADE AND NOTICES SERVED.

INTERIORS OF HOUSES—	
Filthy Houses Cleansed and Whitewashed	181
Houses in which Repairs to Plastering, Brickwork or Woodwork have been carried out	224
Houses without sufficient means of Ventilation, Window Openings, or other means provided	78
EXTERIORS OF HOUSES—	
Defective Roofs made watertight	178
Houses without Eaves Spouting, or with Choked or Defective Spouting—New spouting provided or existing spouting cleansed and repaired	83
Damp External Walls—Brickwork repaired or covered with impervious material	140
Horizontal Damp Proof Courses inserted	11
Dangerous Chimneys repaired or repointed	61
YARDS AND OUTBUILDINGS—	
Surface Paving in Yards provided, renewed or repaired	35
Dangerous Wells or Cisterns filled in or suitable covers provided	4
New Earthenware Sinks provided in lieu of old brick sinks or old sinks repaired	21
Dirty and Dilapidated Outbuildings cleansed and repaired	177
Dangerous Boundary Walls repaired	14
DRAINAGE—	
Surface Channels abolished and stoneware pipe drains provided	6
Defective Drainage re-laid or repaired	32
Number of Manhole Inspection Chambers provided to drainage systems	2
Additional Gullies fixed	9
Choked Drainage opened and cleansed	76
PRIVIES, WATER CLOSETS AND ASHPITS—	
Privies abolished	7

APPENDIX 8—continued.

TABLE IV.—Continued.

Additional Water Closets provided	...	...	8
Dry Ashpits abolished and Dustbins substituted	...	...	2
Fresh Water Closets substituted for Waste Water Closets or other accommodation	...	...	31
Additional Ashbins provided	...	...	603
Choked Water Closets opened and cleansed	...	...	24
Defective W.C. Connections made good	...	...	39
Insufficient Supply of Water to W.C.'s—Flush improved	...	...	24
KEEPING OF ANIMALS AND OFFENSIVE ACCUMULATIONS—			
Offensive Accumulations removed	...	...	11
MISCELLANEOUS—			
Miscellaneous Nuisances abated	...	...	2
Dirty Approaches to Privies and Conveniences cleansed by occupiers	...	...	18
WATER SUPPLY—			
Houses without a proper supply of Drinking Water, Water laid on	...	...	14
Supplies provided in House	...	...	10
Supplies provided in Washhouse	...	...	11
FACTORY AND WORKSHOPS ACT—			
Dirty and Dilapidated Bakehouses or Workshops cleansed or repaired	...	...	1
Additional Closet Accommodation provided or existing accommodation improved	...	...	10
OFFENSIVE TRADES—			
Contravention of Bye-laws remedied	...	...	1
HOUSING ACT, 1925-1930—			
Houses Unfit for Habitation—Houses Demolished	...	...	371
		Total	2,519

APPENDIX 8—continued.

TABLE V.

RESULTS OF LEGAL PROCEEDINGS.

Situation of Premises	Nature of Complaint	Acts or Bye-Laws under which proceedings instituted	Result
Beehive Flats, rear 2, 4 and 6, Carters Green	Dirty and dilapidated premises	Public Health Act, 1875, Section 96	After several adjournments work completed. Summons afterwards withdrawn on payment of costs, 14/6
Beehive Flats, rear 2, 4 and 6, Carters Green	Failure to comply with Bye-Laws	Bye-Laws relating to houses-let-in-lodgings	do. do. Costs 14/6
Claypit Lane	Selling Milk 14 per cent. deficient of Fat	Food and Drugs (Adulteration) Act, 1928, Section 2	Conviction on both counts. Fine 10/- and costs
Claypit Lane	Selling as Milk a liquid in the making of which dried milk had been used	Milk and Dairies (Amendment) Act, 1922, Section 4 (2)	

APPENDIX 8—continued.

TABLE VI.

HOUSING.

Number of new houses erected during the year :—

(a) Total (including numbers given separately under (b)	
(i) By the Local Authority	444
(ii) By other Local Authorities	Nil
(iii) By other Bodies and persons	398
(b) With State assistance under the Housing Acts :—	
(i) By the Local Authority :—	
(a) For the purpose of Part II. of the Act of 1925	Nil
(b) For the purpose of Part III. of the Act of 1925	Nil
(c) For other purposes	444
(ii) By other Bodies or persons	Nil

1. INSPECTION OF DWELLING HOUSES DURING THE YEAR—

(1) (a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	2,121
(b) Number of inspections made for the purpose	7,467
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consoli- dated Regulations, 1925	562
(b) Number of inspections made for the pur- pose	841
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	38
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	912

2. REMEDY OF DEFECTS DURING 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	333
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APPENDIX 8—continued.

TABLE VI.—Continued.

3. ACTION UNDER STATUTORY POWERS DURING THE YEAR—	
A.—Proceedings under Sections 17, 18 and 23 of the Housing Act, 1930 :—	
(1) Number of dwelling-houses in respect of which notices were served requiring repairs	Nil
(2) Number of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By owners	Nil
(b) By Local Authority in default of owners	Nil
B.—Proceedings under Public Health Acts :—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	190
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners	117
(b) By Local Authority in default of owners	Nil
C.—Proceedings under Sections 19 and 21 of the Housing Act, 1930 :—	
(1) Number of dwelling-houses in respect of which Demolition Orders were made ...	85
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	64
D.—Proceedings under Section 20 of the Housing Act, 1930 :—	
(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	Nil

APPENDIX 8—continued.

TABLE VII.

FACTORIES, WORKSHOPS AND WORKPLACES.

1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.
Including Inspections made by Sanitary Inspectors.

Premises (1)	Number of		
	Inspections (2)	Written Notices (3)	Occupiers prosecuted (4)
FACTORIES ... (Including Factory Laundries)	18	6	—
WORKSHOPS ... (Including Workshop Laundries)	75	1	—
WORKPLACES ... (Other than Outworkers' premises)	—	—	—
Total ...	93	7	—

2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

Particulars (1)	Number of Defects			Number of offences in respect to which Prosecutions were instituted (5)
	Found (2)	Re-medied (3)	Referred to H M. Inspector (4)	
<i>Nuisances under the Public Health Acts :—</i>				
Want of cleanliness ...	...	...	...	...
Want of ventilation ...	1	1	...	...
Overcrowding ...	...	...	...	...
Want of drainage of floors ...	...	...	...	...
Other nuisances ...	...	...	...	...
Sanitary accommodation { insufficient ...	5	3	...	...
{ unsuitable or defective ...	1	1	...	...
{ not separate for sexes ...	...	...	...	...
<i>Offences under the Factory and Workshop Acts :—</i>				
Illegal occupation of underground bake-house (s. 101)...	...	...	...	...
Other offences ... (Excluding offences relating to outwork and offences under the Sections mentioned in the schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order 1921).	...	...	...	...
Total ...	7	5	...	...

There was no "Outwork" carried on in Unwholesome Premises during the year.

APPENDIX 9.

SAMPLES EXAMINED.

TABLE I.

Description of Article	Total Number of Samples	Official	Unofficial	Genuine		Inferior		Adulterated		Remarks
				Official	Unofficial	Official	Unofficial	Official	Unofficial	
Milk	123	94	29	85	16	7	5	2	8	Preservatives absent
Cream	4	...	4	...	4	...	...	...	...	" "
Butter	19	..	19	..	19	...	...	...	...	Boron Preservatives absent
Margarine ...	4	...	4	...	4	...	...	...	...	" " "
Lard	8	...	8	..	8	...	...	...	...
Compound Lard	1	..	1	...	1	...	...	...	...
Sausage	2	...	2	..	...	...	...	...	2	Sulphur Dioxide present Not notified
Self-raising Flour	5	...	5	..	5	...	...	...	...
Plain Flour ...	2	..	2	...	2	..	...	..	...
Sponge Cake ...	1	...	1	...	1	...	...	...	..	Boron Compounds absent
Sugar	1	..	1	...	1	...	...	...	...
Honey	1	...	1	...	1	...	...	...	...
Strawberry Jam	1	...	1	..	1	...	..	...	...	Sulphur Dioxide present, but below permitted quantity.
Chicken and Ham Paste	1	..	1	...	1	...	...	...	...	Preservatives absent
Tea	2	...	2	...	2	...	...	..	...
Coffee & Chicory	1	...	1	...	1	..	...	..	...
Rice	2	...	2	...	2	...	...	..	...
Mixed Dried Fruit	3	..	3	...	3	...	...	..	...	Sulphur Dioxide present, but below permitted quantity
Currants	1	..	1	..	1	...	...	...	...	Preservatives absent
Cured Fish Fillets	1	...	1	...	1	...	...	...	...	" "
Sauce	1	...	1	...	1	...	...	...	...	" "
Pepper	2	...	2	...	2	...	...	...	...
Table Salt ...	1	...	1	...	1	...	...	...	...
Ground Ginger	3	...	3	...	3	...	...	...	...
Flowers of Sulphur	1	..	1	...	1	...	...	..	...
Compound Liquorice Powder	5	..	5	...	5	..	..	...	...
Health Salts ...	1	...	1	...	1	..	...	..	...
Olive Oil	1	..	1	...	1	...	...	...	...
Camphorated Oil	3	...	3	...	3	..	...	..	...
Castor Oil	3	...	3	...	3	...	...	...	...
Eucalyptus Oil	3	...	3	...	3	...	...	...	...
Peppermint ...	1	..	1	...	1	...	...	...	...
Glycerine	3	...	3	...	3	...	...	...	...
Tincture of Iodine	1	...	1	..	1	...	...	...	...
Sweet Spirit of Nitrate	3	1	2	...	1	...	...	1	1	See adulteration table
Carbonate of Magnesia	1	..	1	...	1	..	...	...	...
Aspirin Tablets	1	...	1	...	1	...	..	...	...
Sal Volatile ...	1	...	1	...	1	...	...	...	...
Boracic Acid Crystals	1	...	1	...	1	..	..	...	...
British Brandy ...	1	...	1	...	1	...	..	...	...
Whiskey	1	...	1	...	1	...	...	...	...
	221	95	126	85	110	7	5	3	11	

APPENDIX 9—continued.

TABLE II.

The following Table gives a list of the "not genuine" food and drugs analysed.

DESCRIPTION OF ARTICLE AND NUMBER OF SAMPLE.	"NOT GENUINE SAMPLES."	REMARKS.
Milk No. 5059. Informal	Fat deficiency, 6%	Reported to Authority of County of origin
Milk No. 5062. Informal	Fat deficiency, 3%	Reported to Authority of County of origin
Milk No. 5063. Informal	Fat deficiency, 4%	Reported to Authority of County of origin
Milk No. 5097. Informal	Fat deficiency, 3%	Reported to Authority of County of origin
Milk No. 5102. Informal	Fat deficiency, 6%	Reported to Authority of County of origin
Milk No. 5103. Informal	Fat deficiency, 7%	Reported to Authority of County of origin
Milk No. 5104. Informal	Fat deficiency, 3%	Reported to Authority of County of origin
Milk No. 5105. Informal	Fat deficiency, 6%	Reported to Authority of County of origin
Milk No. 5112. Formal	Fat deficiency, 4%	Reported to Authority of County of origin
Sausage No. 5193. Informal	213 parts of sulphur dioxide per million undeclared	Vendor cautioned
Sweet Spirit of Nitre No. 5222. Informal	Deficient of 45% of its active ingredient, ethyl nitrite	Formal sample taken later
Sweet Spirit of Nitre No. 5224. Formal	Deficient of 49% of the active ingredient, ethyl nitrite	Vendor cautioned and the stock replaced
Milk No. 5269. Formal	Fat deficiency, 3%	Vendor cautioned and supply to be kept under observation
Sausage No. 5245. Informal	32 parts per million of sulphur dioxide undeclared	Vendor cautioned

APPENDIX 10.
CASES OF INFECTIOUS DISEASES NOTIFIED DURING THE YEAR 1935.

DISEASE	NUMBER OF CASES NOTIFIED AT AGES—YEARS													TOTAL CASES NOTIFIED IN EACH WARD								QUARTERS				Admitted to Isolation or other Hospital						
	At All Ages	Under 1 year	1 year and under 2 years	2 years and under 3 years	3 years and under 4 years	4 years and under 5 years	5 years and under 10 years	10 years and under 15 years	15 years and under 20 years	20 years and under 35 years	35 years and under 45 years	45 years and under 65 years	65 years and over	Sandwell	Tantany	Lyndon	Hill Top	Barr	Greets Green	Town Hall	Lynng	Spon Lane	1	2	3		4					
	Enteric Fever ...	1	2	3	5	15	24	132	68	15	1	17	5	3	3	4	31	48	68	26	7	26	22	14	47		1	65	62	65	97	1
Scarlet Fever ..	289	1	7	8	16	16	83	57	16	13	13	3	1	1	1	12	31	68	13	3	28	26	26	17	17	112	32	26	51	205		
Diphtheria ...	221	29	52	56	60	113	2	1	3	12	15	25	25	25	25	12	49	70	26	3	56	38	26	30	181	117	8	4	209	4		
Measles ...	310	1	1	1	9	8	2	1	3	12	15	25	25	25	25	3	9	16	7	1	9	10	1	8	19	14	12	19	17	1		
Erysipelas ...	64	14	8	6	9	8	...	...	...	...	...	...	...	...	...	2	5	21	8	...	...	3	1	4	12	20	7	6	2	2
Whooping Cough ...	45	8	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	1	1	...	...	1	2	1	4	2	4	5	3	7
Puerperal Fever ...	8	1	1	1	3	2	1	14	
Puerperal Pyrexia ...	18	1	1	1	1	
Ophthalmia Neon.
Encephalitis Lethargica
Pneumonia ...	189	13	15	12	9	5	22	12	9	27	14	39	12	12	12	7	20	25	49	2	39	17	14	16	85	42	22	40	8	8		
Meningococcal Meningitis ...	1	...	1	1	1	1	1	3	1	
German Measels ...	6	...	1	5	2
Totals	1152	60	86	88	109	171	239	138	43	93	41	68	16	16	68	165	279	137	16	16	162	116	84	125	483	296	145	228	467	467		

APPENDIX 11.

VACCINATION.

RETURN RESPECTING THE VACCINATION OF CHILDREN WHOSE BIRTHS WERE REGISTERED DURING THE YEAR 1934.

Registration Districts	Births	Vaccinated	Insusceptible	Died Unvaccinated	Exemptions	Vaccination Postponed	Removed out of the Area	Not accounted for
Whole Borough ...	1715	531	...	84	1054	8	31	7
Total 1933 ...	1644	501	2	121	968	14	30	8

APPENDIX 12.

TUBERCULOSIS.

TABLE I.

Returns showing the work of the Dispensary during the year.

DIAGNOSIS	Pulmonary		Non-pulmonary		Total		Grand Total							
	Adults	Children	Adults	Children	Adults	Children								
	M. F.	M. F.	M. F.	M. F.	M. F.	M. F.								
A. New cases examined during the year (excluding contacts)														
(A) Definitely Tuberculous ...	32	30	—	—	2	3	4	—	34	33	4	—	71	
(B) Diagnosis not completed ...	—	—	—	—	—	—	—	—	3	5	—	—	8	
(C) Non-tuberculous...	—	—	—	—	—	—	—	—	28	18	8	7	61—140	
B. Contacts examined during the year														
(A) Definitely Tuberculous ...	2	3	—	—	—	—	—	1	1	2	3	1	1	7
(B) Diagnosis not completed ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—
(C) Non-tuberculous	—	—	—	—	—	—	—	—	14	28	28	32	102—109	
C. Cases written off the Dispensary Register as														
(A) Recovered ...	1	1	—	1	—	1	4	2	1	2	4	3	10	
(B) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous) ...	—	—	—	—	—	—	—	—	46	57	48	46	197—207	
D. Number of cases on Dispensary Register on December 31st														
(A) Definitely tuberculous ...	111	85	20	12	13	19	29	16	124	104	49	28	305	
(B) Diagnosis not completed ...	—	—	—	—	—	—	—	—	3	5	—	—	8—313	

APPENDIX 12—continued.

TABLE I.—continued.		1935
1.	Number of cases on Dispensary Register on Jan. 1st, 1935	338
2.	Number of cases transferred from other areas and cases returned after discharge in previous years	2
3.	Number of cases transferred to other areas, cases not desiring further assistance under the scheme, and cases "lost sight of"	24
4.	Cases written off during the year as dead (all causes)	45
5.	Number of attendances at the Dispensary (including contacts)	2,623
6.	Number of Insured Persons under Domiciliary Treatment on the 31st December	12
7.	Number of consultations with medical practitioners:	
	(a) Personal	8
	(b) Other	87
8.	Number of visits by Tuberculosis Officer to homes (including personal consultations)	16
9.	Number of visits by Nurses or Health Visitors to homes for Dispensary purposes	1,650
10.	Number of:—	
	(a) Specimens of sputum, etc., examined	230
	(b) X-Ray examinations made in connection with Dispensary work	202
11.	Number of "Recovered" cases restored to Dispensary Register	—
12.	Number of "T.B. plus" cases on Dispensary Register on December 31st	109

TABLE II.

RESIDENTIAL INSTITUTIONS.

(A) Number of Beds available for Patients during the year.

Name of Institution.	For Pulmonary Cases		For Non-Pulmonary Cases.		Total.
	Adults.	Children under 15.	Adults.	Children under 15.	
Local Authority— County Borough of West Bromwich— Heath Lane Sanatorium (24 beds)	24	...	...	...	24
City of Birmingham— Romsley Hill Sanatorium (120 beds) 12 beds are retained by this Authority.	12	...	...	...	12

APPENDIX 12—continued.

TABLE II.—continued.

(B) Return showing the extent of Residential Treatment during the Year.

		In Institu- tions on Jan. 1st	Admitted during the year	Discharged during the year	Died in the Insti- tutions	In Insti- tutions on Dec. 31st
Number of doubt- fully tuberculous cases admitted for observation	Adult Males	2	2	4	...	...
	Adult Females	...	...	...	...	...
	Children	...	...	...	...	...
	Total	2	2	4	...	...
Number of patients suffering from pulmonary tuberculosis	Adult Males	5	42	27	6	14
	Adult Females	2	30	12	7	13
	Children	...	...	...	...	...
	Total	7	72	39	13	27
Number of patients suffering from non-pulmon- ary tuberculosis	Adult Males	...	2	...	...	2
	Adult Females	...	1	...	...	1
	Children	2	2	1	...	3
	Total	2	5	1	...	6
GRAND TOTALS		11	79	44	13	33

Return showing the results of observation of doubtfully Tuberculous cases discharged during the Year.

Diagnosis on discharge from observation	FOR PULMONARY TUBERCULOSIS						FOR NON-PULMONARY TUBERCULOSIS						TOTALS		
	Stay under 4 weeks			Stay over 4 weeks			Stay under 4 weeks			Stay over 4 weeks					
	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
Tuberculous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Non- tuberculous	1	...	...	3	...	...	...	...	...	...	...	...	4	...	...
Doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	1	...	...	3	...	...	...	...	...	...	...	...	4	...	...

PULMONARY TUBERCULOSIS.

TABLE IV.

Supplementary Annual Return showing in summary form (a) the conditions at the end of 1935 of all patients remaining on the Dispensary Register; and (b) the reasons for the removal of all cases written off the Register. The Table is arranged according to the years in which the patients were first entered on the Dispensary Register as definite cases of pulmonary tuberculosis, and their classification at that time.

Condition at the time of the last record made during the year to which the return relates.	Previous to 1930.												1930.			1931.			1932.			1933.			1934.			1935.													
	Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus			Class T.B. Plus													
	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)	T.B. minus	Group 1	Group 2	Group 3	Total (Class T.B. plus)						
Disease Arrested	M. Adults	F. Children																																							
Disease not Arrested	M. Adults	F. Children																																							
Condition not ascertained during the year																																									
Total on Dispensary Register at 31st December																																									
Discharged as Recovered	M. Adults	F. Children																																							
Lost sight of, or otherwise removed from Dispensary Register																																									
Dead	M. Adults	F. Children																																							
Total written off Dispensary Register																																									
GRAND TOTALS																																									

(a) Remaining on Dispensary Register on 31st December

(b) Not now on Dispensary Register and reasons for removal therefrom.

APPENDIX 12—continued.

TUBERCULOSIS.

TABLE V.

PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS, 1930.

Summary of Notifications during the period from the 1st January, to 31st December, 1935.

Age Periods	Formal Notifications												Total Notifications
	Number of Primary Notifications of New Cases of Tuberculosis												
	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 over	Total all ages	
Pulmonary Males	1	1	2	9	16	5	5	1	1	41	41
„ Females	8	12	7	6	5	...	...	38	41
Non-pulmonary Males	3	1	3	1	...	1	2	1	...	...	12	12
„ Females	2	1	...	2	1	...	...	...	...	...	6	8

TABLE VI.

SUPPLEMENTAL RETURN.

New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, 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 over	Total
Pulmonary Males ...	...	...	...	...	...	1	...	3	...	3	...	7
„ Females ...	...	...	1	...	...	1	...	2	2	...	1	7
Non-pulmonary Males ...	...	...	...	...	...	...	...	...	...	...	...	...
„ Females ..	1	...	1	1	2	...	...	...	...	...	...	5

Source of Information	No. of Cases	
	Pulmonary	Non-Pulmonary
Death Returns { from Local Registrars	10	3
{ Transferable Deaths from Registrar General...	...	...
Posthumous Notifications ... ..	...	1
“Transfers” from other Areas (other than Transferable Deaths)	4	1

APPENDIX 12—continued.

TABLE VII.
NOTIFICATION REGISTER.

Number of cases of Tuberculosis remaining at the 31st Dec., 1935, on the Registers of Notifications kept by the Medical Officer of Health of the County Borough	Pulmonary			Non-Pulmonary			Total Cases
	M.	F.	Total	M.	F.	Total	
	177	129	306	84	56	140	446
Number of cases removed from the registers during the year by reason <i>inter alia</i> of:—							
1. Withdrawal of Notification ...	21	14	35	9	14	23	58
2. Recovery from the Disease ...	1	2	3	4	3	7	10
3. Death	28	32	60	1	6	7	67

TABLE VIII.

Number of cases of Tuberculosis on the Registers of Notification on the 31st December.

Year	Pulmonary			Non-Pulmonary			Total cases
	Males	Females	Total	Males	Females	Total	
1931	152	118	270	106	101	207	477
1932	165	133	298	105	97	202	500
1933	188	125	313	89	75	164	477
1934	187	136	323	87	68	155	478
1935	177	129	306	84	56	140	446

APPENDIX 13.

CAUSES OF DEATH IN CHILDREN UNDER ONE YEAR OF AGE.

CAUSES OF DEATH	Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 4 weeks	4 weeks and under 3 months	3 months and under 6 months	6 months and under 9 months	9 months and under 12 months	Total Deaths under 1 year
Small-pox ...	...	...	...	...	...	...	...	...	...	...
Chicken-pox ...	...	...	...	...	...	...	...	...	...	...
Measles ...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	...	..	...	...	...	...	...	...	1	1
Whooping Cough	...	...	...	...	...	...	3	...	...	3
Diphtheria ...	..	...	...	...	...	...	...	...	...	...
Influenza ...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	...	...	...	...	...	...	...	...	...	...
Tuberculosis—Pulmonary	...	...	...	...	...	...	...	...	...	...
" Other Forms	...	...	...	...	...	...	...	...	1	1
Meningitis (<i>not Tuberculous</i>)	...	...	...	...	...	..	...	1	...	1
Convulsions ...	1	1	...	...	2	1	1	1	1	6
Bronchitis ...	...	...	...	1	1	1	2	1	4	9
Pneumonia (all forms)	...	...	...	1	1	2	7	8	11	29
Diarrhœa and Enteritis	...	1	1	...	2	5	12	5	1	25
Syphilis ...	...	...	...	...	...	1	...	...	...	1
Premature Birth, Congenital Debility, etc.	24	7	2	1	34	6	4	...	1	45
Other Causes ...	4	1	...	...	5	2	1	2	...	10
Totals ...	29	10	3	3	45	18	27	21	20	131

APPENDIX 14.

INFANTILE MORTALITY RATES SINCE FIRST RECORDED.

Year	Rate	Year	Rate	Year	Rate
1872	152	1882	158	1892	171
1873	163	1883	177	1893	211
1874	156	1884	180	1894	152
1875	160	1885	176	1895	157
1876	144	1886	169	1896	118
1877	162	1887	158	1897	175
1878	159	1888	158	1898	182
1879	167	1889	175	1899	179
1880	152	1890	170	1900	191
1881	152	1891	172	1901	163
Decennial Aver. 156·7		Decennial Aver. 169·3		Decennial Aver. 169·9	
1902	162	1912	122·5	1922	88·6
1903	164	1913	140·4	1923	87·8
1904	149	1914	104·4	1924	88·6
1905	150	1915	133·1	1925	98·8
1906	159	1916	89·8	1926	79·2
1907	151	1917	121·5	1927	107·1
1908	140	1918	113·1	1928	74·7
1909	122	1919	103·0	1929	106·4
1910	106·5	1920	109·2	1930	66·0
1911	139·5	1921	96·9	1931	86·0
Decennial Aver. 147·3		Decennial Aver. 113·3		Decennial Aver. 88·3	
1932	96·5				
1933	101·6				
1934	66·5				
1935	84·5				

APPENDIX 15.

TABLE I.

ADMISSIONS AND BIRTHS.

	West Bromwich Cases		Other Authorities		Total	
	1935	1934	1935	1934	1935	1934
MEN	616	721	672	632	1288	1353
WOMEN	898	895	981	1084	1879	1979
CHILDREN	806	810	458	449	1264	1259
BIRTHS	187	217	222	238	409	455
	2507	2643	2333	2403	4840	5046
Admitted on Relieving Officers' Orders ...	94	97	888	781	982	878

TABLE II.

DISCHARGES AND DEATHS.

	West Bromwich Cases		Other Authorites		Total	
	1935	1934	1935	1934	1935	1934
MEN	621	701	689	644	1310	1345
WOMEN	880	892	1021	1095	1901	1987
CHILDREN	1010	1017	688	697	1698	1714
	2511	2610	2398	2436	4909	5046

APPENDIX 15—continued.

TABLE III.

AN ANALYSIS OF ALL CASES OF MEDICAL AND SURGICAL
DISEASE ADMITTED TO HALLAM HOSPITAL DURING THE
YEAR ENDED DECEMBER 31st, 1935.

BLOOD AND BLOOD FORMING ORGANS.

	Discharged.	Died.	
Acute Adenitis	16	—	
Anæmia, Primary and Secondary ...	15	2	
Hæmophilia	1	—	
Leukæmia	—	1	
Lymphadenoma	2	1	
Polycythæmia Vera	2	—	
Others	4	2	
	<hr/> 40	<hr/> 6	46

BONES, JOINTS AND MUSCLES.

Acute Arthritis	4	—	
Fibrositis and Myositis	8	—	
Osteoarthritis & Rheumatoid Arthritis	25	3	
Osteomyelitis, Acute and Chronic ...	15	3	
Others	21	3	
	<hr/> 73	<hr/> 9	82

BREAST.

Breast Abscess	25	—	
Mastitis, Acute and Chronic	5	—	
	<hr/> 30	<hr/> —	30

CIRCULATORY SYSTEM.

Arteriosclerosis and Hypertension ...	12	2	
Congestive Cardiac Failure	5	15	
Coronary Thrombosis	2	4	
Disorders of Rhythm	16	7	
Myocarditis and Degeneration	11	14	
Pericarditis	1	6	
Phlebitis and Varicose Veins	13	—	
Subacute Bacterial Endocarditis ...	1	3	
Valvular Disease	16	4	
Others	—	3	
	<hr/> 77	<hr/> 58	135

APPENDIX 15—continued.

DIGESTIVE SYSTEM.

	Discharged.	Died.	
Acute Appendicitis	124	—	
Acute Appendicitis with Peritonitis ...	28	6	
Chronic & Recurrent Appendicitis ...	27	—	
Congenital Pyloric Stenosis	1	1	
Constipation	78	—	
Gall Stones & Cholecystitis	38	1	
Gastric & Duodenal Ulcer	52	—	
Gastro-enteritis Infantis	24	21	
Hæmatemesis	13	—	
Hernia	42	—	
Intestinal Obstruction	8	5	
Intussusception	4	1	
Perforated Gastric Ulcer	14	9	
Pneumococcal Peritonitis	—	4	
Rectal Diseases	20	—	
Strangulated Hernia	18	2	
Others	62	9	
	<hr/>	<hr/>	
	553	59	612
	<hr/>	<hr/>	<hr/>

EAR, NOSE AND THROAT.

Acute & Chronic Otitis Media ...	33	—	
Acute Mastoiditis	36	—	
Chronic Mastoiditis	9	—	
Lateral Sinus Thrombosis	1	—	
Tonsillitis & Quinsy	17	—	
Tonsils and Adenoids	459	—	
Complications following Tonsillectomy	2	—	
Others	27	—	
	<hr/>	<hr/>	
	584	—	584
	<hr/>	<hr/>	<hr/>

ENDOCRINE GLANDS.

Thyroid Gland	10	1	
Others	3	1	
	<hr/>	<hr/>	
	13	2	15
	<hr/>	<hr/>	<hr/>

EYE	17	—	17
	<hr/>	<hr/>	<hr/>

GENERATIVE SYSTEM.

Simple Prostatic Hypertrophy ...	10	1	
Other Male Generative Affections ...	25	—	
Gynæcological Affections	67	1	
	<hr/>	<hr/>	
	102	2	104
	<hr/>	<hr/>	<hr/>

APPENDIX 15—continued.

PREGNANCY AND PARTURITION.

	Discharged.	Died.	
Pregnancy	38	—	
Uncomplicated Parturition	391	—	
Cæsarean Section	7	—	
Abortion	119	1	
Affections connected with Pregnancy	76	3	
Affections connected with Parturition	30	5	
Affections consequent upon Parturition	33	4	
	<hr/>	<hr/>	
	694	13	707
	<hr/>	<hr/>	
BABIES BORN IN HOSPITAL	399	10	409
	<hr/>	<hr/>	

INFECTIONS.

Acute Rheumatism	64	—	
Acute Specific Fevers	7	1	
Erysipelas	26	4	
Gonococcal Infection	3	—	
Influenza	9	—	
Meningococcal Meningitis	—	4	
Septicæmia	—	4	
Syphilis	2	—	
	<hr/>	<hr/>	
	111	13	124
	<hr/>	<hr/>	

INJURIES AND ACCIDENTS.

Burns and Scalds	22	4	
Cut Throat	4	—	
Foreign Bodies	5	—	
Fractures and Dislocations	130	12	
Head Injuries	37	5	
Poisoning	21	1	
Other Injuries	83	5	
	<hr/>	<hr/>	
	302	27	329
	<hr/>	<hr/>	

MALFORMATIONS.

Phimosia (Circumcision)	31	—	
Others	26	8	
	<hr/>	<hr/>	
	57	8	65
	<hr/>	<hr/>	

APPENDIX 15—continued.

MALIGNANT DISEASE.

	Discharged.	Died.	
Carcinoma, Primary and Secondary ...	74	87	
Rodent Ulcer	—	2	
Sarcoma	—	4	
	<hr/>	<hr/>	
	74	93	167
	<hr/>	<hr/>	

METABOLISM AND NUTRITION.

Diabetes	37	14	
Marasmus and Malnutrition	24	11	
Rickets	2	1	
Others	3	—	
	<hr/>	<hr/>	
	66	26	92
	<hr/>	<hr/>	

NERVOUS SYSTEM.

Chorea	37	—	
Disseminated Sclerosis	4	—	
Epilepsy	24	—	
Hæmorrhage, Embolism & Thrombosis	27	44	
Meningitis	—	9	
Post-encephalitic Parkinsonism ...	9	—	
Syphilis	1	2	
Others	15	6	
	<hr/>	<hr/>	
	117	61	178
	<hr/>	<hr/>	

MENTAL DISEASES.

Functional and Functional Psychoses ...	49	—	
General Paralysis of the Insane ...	3	1	
Hysteria	9	—	
Mental Deficiency	4	—	
Senile Dementia	6	1	
Others	11	1	
	<hr/>	<hr/>	
	82	3	85
	<hr/>	<hr/>	

PYOGENIC INFECTION.

Abscess, Boil and Carbuncle	73	3	
Cellulitis	39	8	
Gangrene	10	12	
Infections of the Fingers & Hand ...	17	—	
Ulcers	20	—	
Others	3	—	
	<hr/>	<hr/>	
	162	23	185
	<hr/>	<hr/>	

APPENDIX 15—continued.

RESPIRATORY SYSTEM.

	Discharged.	Died.	
Asthma	32	1	
Bronchiectasis	5	3	
Bronchitis	73	14	
Empyema	17	7	
Hæmoptysis	4	—	
Pleurisy and Pleural Effusion	8	—	
Broncho-Pneumonia	56	31	
Hypostatic Pneumonia	—	7	
Lobar Pneumonia	112	35	
Unresolved Pneumonia	7	—	
Silicosis	1	—	
Others	2	3	
	<hr/>	<hr/>	
	317	101	418
	<hr/>	<hr/>	<hr/>

SKIN.

Eczema	20	—	
Impetigo	23	—	
Pemphigus	9	1	
Scabies	11	—	
Others	9	—	
	<hr/>	<hr/>	
	72	1	73
	<hr/>	<hr/>	<hr/>

TEETH AND GUMS.

Alveolar Abscess	13	—	
Dental Caries	44	—	
Dental Cyst	1	—	
	<hr/>	<hr/>	
	58	—	58
	<hr/>	<hr/>	<hr/>

TUBERCULOSIS.

Genito-urinary Tuberculosis	3	—	
Pulmonary Tuberculosis	34	22	
Tuberculous Bones and Joints	13	2	
Tuberculous Enteritis	2	—	
Tuberculous Glands	3	—	
Tuberculous Meningitis	—	10	
Tuberculous Peritonitis	5	1	
	<hr/>	<hr/>	
	60	35	95
	<hr/>	<hr/>	<hr/>

APPENDIX 15—continued.

URINARY SYSTEM.

	Discharged.	Died.	
Calculus	15	—	
Hydronephrosis and Pyonephrosis ...	5	3	
Nephritis, Acute and Chronic	15	14	
Pyelitis and Cystitis	46	4	
Renal Colic	6	—	
Uræmia	3	16	
Others	2	2	
	<hr/>	<hr/>	
	92	39	131

UNCLASSIFIED.

Healthy Babies (Admitted with Mothers)	40	—	
Malingering	2	—	
N. A. D.	33	—	
Senility	53	37	
Unclassified	3	—	
	<hr/>	<hr/>	
	131	37	168

TOTALS.

Discharged.	Died.	Patients.
4,283	626	4,909

APPENDIX 15—continued.

TABLE IV.

MATERNITY CASES.

	No. of Cases	Stillbirths	Instrumentals	Caesarean Sections	A. P. H.	Eclampsia	Surgical Inductions	Maternal Deaths	Infant deaths first 10 days	Artificially fed	Pemphigus	Puerperal Pyrexia	Puerperal Fever	Ante-Natal Visits	Bookings	Non-Clinic cases	Clinic cases	Breast abscesses	Ophthalmia
January	39	6	3	...	1	1	4	1	2	3	...	1	..	298	34	11	28	1	..
February	48	4	4	...	2	..	5	...	...	2	...	1	..	199	31	6	42	1	..
March	39	2	...	1	3	...	3	1	...	...	...	3	..	281	36	10	29	..	..
April	35	3	1	...	4	...	1	...	1	..	...	2	..	179	44	12	23	1	..
May	31	1	1	1	3	1	3	...	1	2	1	2	..	246	44	7	24	1	..
June	44	6	2	1	6	...	...	...	1	1	3	2	..	185	49	15	29	..	..
July	37	5	...	...	2	...	5	1	1	2	5	1	..	243	43	10	27	..	..
August	32	2	1	...	1	...	4	...	...	1	...	..	..	284	36	4	28	..	..
September	32	4	...	2	3	...	5	...	...	2	1	..	..	252	37	5	27	..	..
October	40	1	...	...	3	...	7	2	1	2	...	2	..	310	48	1	39	..	..
November	34	5	...	1	6	...	3	...	...	1	...	3	..	232	29	7	27	..	..
December	30	6	...	...	3	...	5	3	1	3	...	2	3	01	26	4	26	..	..
Totals ...	441	45	12	6	37	2	45	8	8	19	10	19	3	2910	457	52	349	4	..

APPENDIX 15—continued.

TABLE V.

SUMMARY OF PATHOLOGICAL, BACTERIOLOGICAL AND BIO-CHEMICAL

EXAMINATIONS.

Throat Swabs	...	...	...	...	...	120
Nasal Swabs	...	...	...	...	...	79
Urines, Microscopical	...	...	...	...	...	1,392
Urines, Bacteriological	...	...	...	...	...	1,320
Urine, Ureas	...	...	...	...	...	190
Wasserman Reactions	...	...	...	...	...	794
Autogenous Vaccines	...	...	...	...	...	168
Widal Reactions	...	...	...	...	...	12
Sputums, Micro. and Bact.	...	...	...	...	...	110
Sputum Grouping of Organisms	...	...	...	...	...	108
Van-den-Bergh Reactions	...	...	...	...	...	12
Blood Counts	...	...	...	...	...	368
Blood Ureas	...	...	...	...	...	790
Urines, Fermentation	...	...	...	...	...	72
Fæces, Bacteriological	...	...	...	...	...	30
Fæces, Chemical	...	...	...	...	...	75
Fæces, Fat Estimation	...	...	...	...	...	8
Histological Sections	...	...	...	...	...	602
Vaginal Discharges	...	...	...	...	...	50
Blood Cultures	...	...	...	...	...	102
Blood Grouping	...	...	...	...	...	76
Fractional Test Meals	...	...	...	...	...	84
Cerebro-Spinal Fluid	...	...	...	...	...	89
Glove Powder	...	...	...	...	...	10
Pus Bacteriological	...	...	...	...	...	69
Blood Sugars	...	...	...	...	...	78
Pleural Effusions	...	...	...	...	...	69
Sterilizer	...	...	...	...	...	20
Blood Calcium	...	...	...	...	...	9
Blood Chlorides	7
Urine Sugars	36
Blood Coagulation	29
Blood Fragility	22

 7,000

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APPENDIX B

TABLE V

Summary of the results of the experiments

Experiment No.	Material	Temperature (°C)	Time (min)	Weight (g)	Volume (ml)	Notes
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