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KING EDWARD VII SANATORIUM
MIDHURST

Seventh Annual Report

JULY 1912 to JULY 1913

PUBLISHED AT
THE KING EDWARD VII SANATORIUM
MIDHURST, SUSSEX

1913

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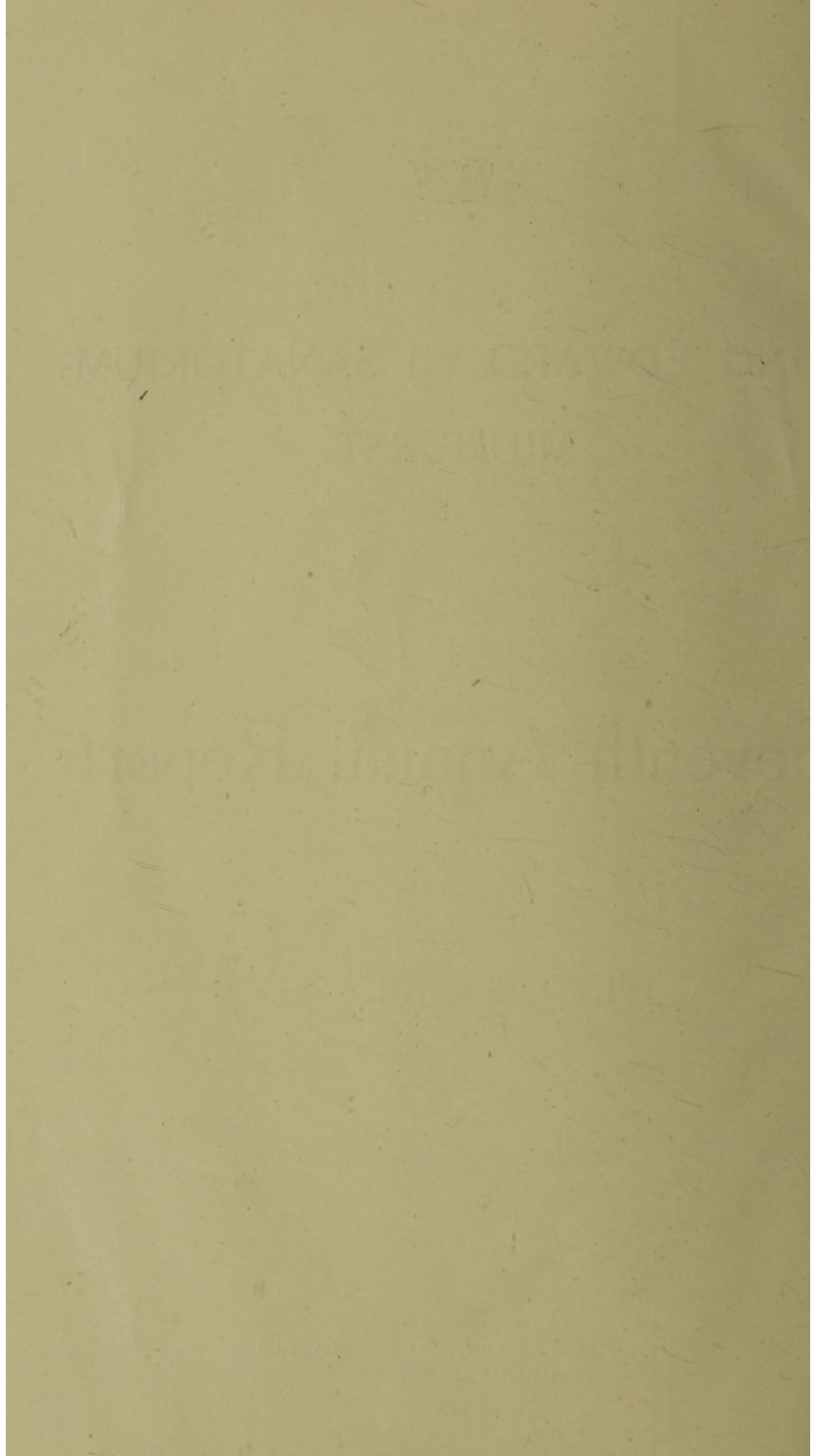
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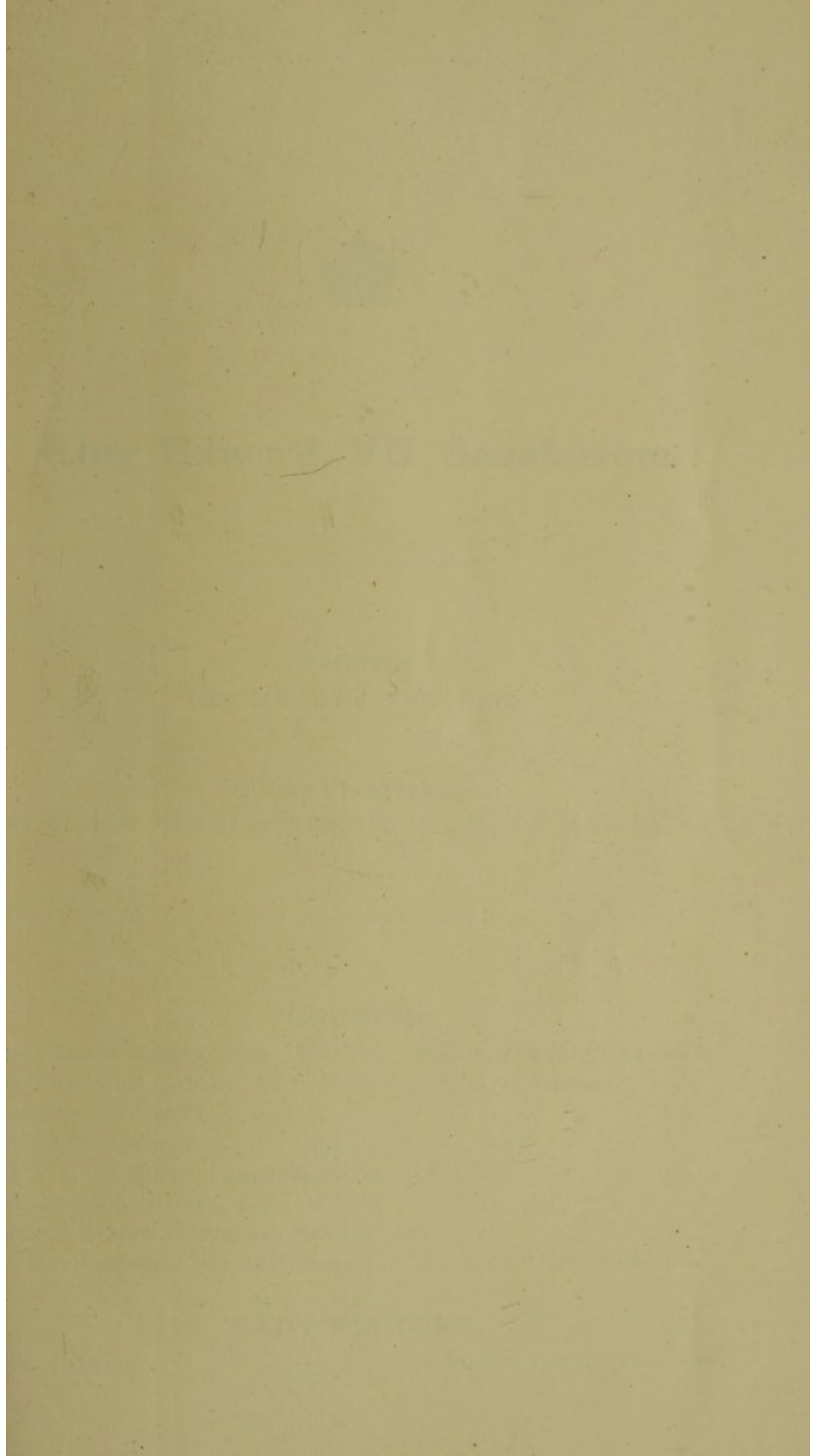
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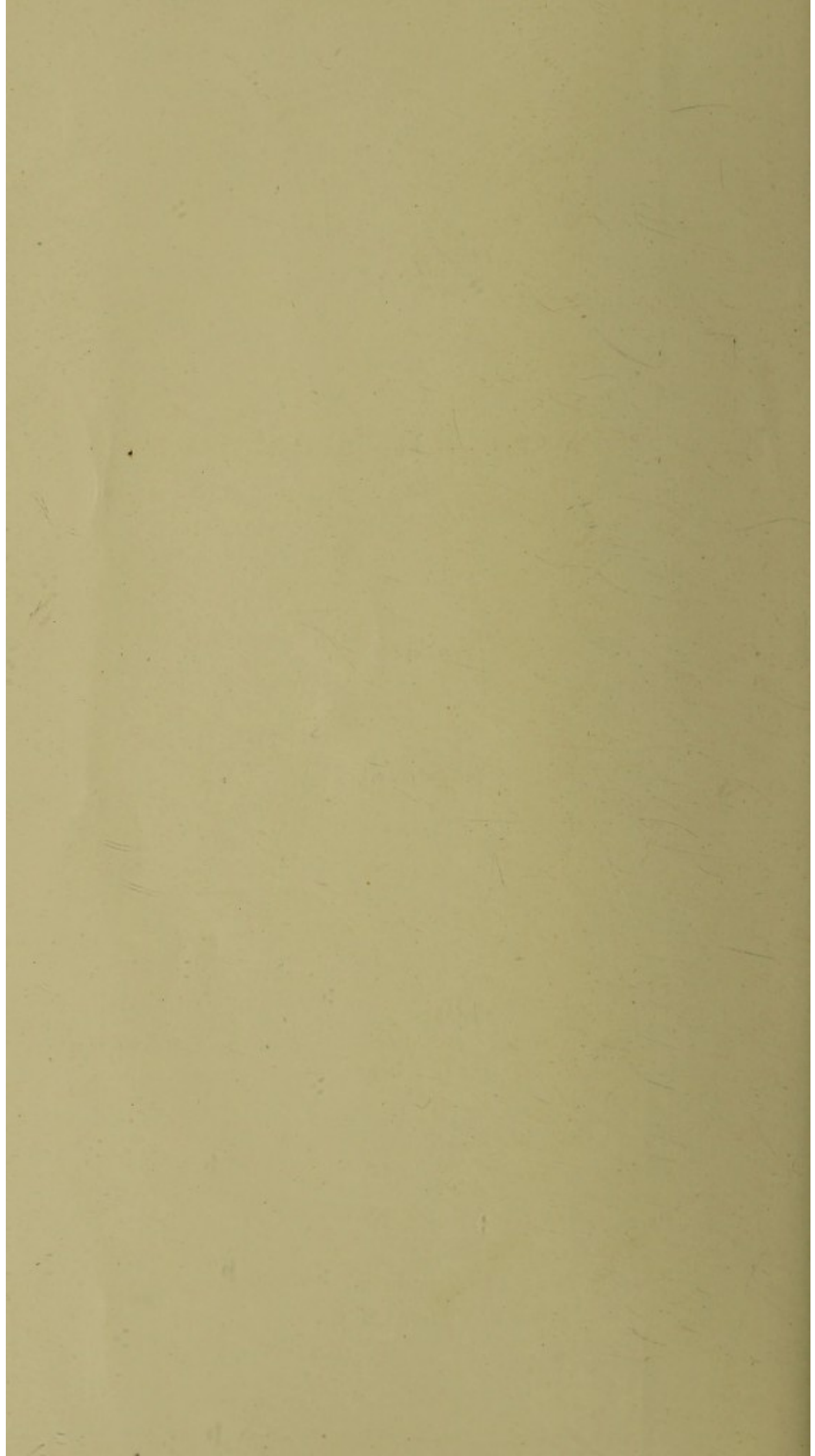
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King Edward VII Sanatorium

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KING EDWARD VII SANATORIUM,
MIDHURST
SEVENTH ANNUAL REPORT

July 1912—July 1913

During the twelve months, July 1st, 1912, to June 30th, 1913, 238 patients were discharged from the Sanatorium. Of this number forty-three, so far as could be determined, were not suffering from active pulmonary tuberculosis. Of the cases in which the diagnosis was confirmed, thirty-nine can be classified in Group I., 110 in Group II., and forty-six in Group III. (*See page 9.*)

DIAGNOSIS.—The number of patients sent to the Sanatorium as cases of active disease in which no definite evidence of pulmonary tuberculosis was found was higher last year than hitherto. This result is due in large measure to the adoption of more searching methods of diagnosis, namely, the determination of (1) the variations in the opsonic index, (2) the presence or absence of tuberculous antibodies, by the complement fixation method, and (3) the reaction to subcutaneous inoculations of tuberculin.

The third of these tests is not applied if there exists any risk of provoking a focal reaction in the lung. Nearly every case in which tubercle bacilli could not be demonstrated was investigated on these lines; and in the light of the evidence thus gained, together with that provided by the history of the illness and the physical examination of the patients, a provisional diagnosis was arrived at. The details of this work will shortly be published by Dr. Radcliffe and Dr. de Wesselow, who are responsible respectively for the observations on complement fixation and on the opsonic index.

If these methods of diagnosis and our interpretations of the results thus obtained are trustworthy, there is no doubt that some of our former cases in which tubercle bacilli could not be demonstrated were incorrectly recorded as suffering from active pulmonary tuberculosis. The difficulty lies in the differentiation between a recent lesion and one which is already arrested or obsolete and of little or no clinical significance. This source of fallacy in our statistics has been referred to in previous reports;

and, to eliminate it as far as possible, the records of (1) cases in the sputum of which tubercle bacilli were found, and of (2) cases in which tubercle bacilli were not found have this year been considered separately in the table of ultimate results.

During the past twelve months treatment with tuberculin has been given an extended trial. The question of the value of this method of treatment is regarded at the present time as of so great importance that it forms the subject of a separate report entitled *Preliminary Report of the Treatment of Pulmonary Tuberculosis with Tuberculin*, published by the Consulting Staff with the authority of the Council.*

The "After-History" returns up to the date of the publication of this report are shown in the usual tables. This year, however, as previously mentioned, the records for the cases in which tubercle bacilli had been found and those in which they had not been found are given separately.

It is to be regretted that some 20 per cent. of the patients who have been discharged from the Sanatorium, since the Institution opened in 1906, have been lost sight of, and that all our available means of tracing them have failed. The removal of patients from one place to another, without leaving any address, is the chief difficulty with which we have to contend. It is probable that the greater proportion of 236 patients who have been lost sight of are alive, for search made last year at the office of the Registrar General resulted in the finding of the record of nine deaths only among the lost cases. It is possible that systematic search by someone who could devote several months to the work would lead to the discovery of the whereabouts of a large number of those who are at present lost sight of. This method has been adopted with success at one of the larger sanatoria in America.

Clinical Results—Classification of Patients.

As in the former reports, the patients treated during the past year have been classified for statistical purposes under three groups. This classification (Turban-Gerhardt), described in the official journal of the International Tuberculosis Committee, is substantially as follows:—

- I. *Disease of slight severity, limited to small areas of one lobe on either side, which, in case of infection of both apices, does not extend beyond the spine of scapula or the clavicle, or in case of affection of the apex of one lung does not extend below the second rib in front.*
- II. *Disease of slight severity, more extensive than Group I, but affecting, at most, the whole of one lobe, or severe disease extending at most to the half of one lobe.*
- III. *All cases of greater severity than Group II., and all those with considerable cavities.*

By disease of slight severity is to be understood: disseminated foci characterised by slight dulness, indefinite rough or weak vesicular, vesico-bronchial, or broncho-vesicular breathing, and fine and medium rales.

By severe disease: massive infiltration recognised by definite dulness, broncho-vesicular or bronchial breathing, with or without rales.

Cases with signs of considerable cavities, giving rise to tympanitic percussion with amphoric or cavernous breathing, and numerous coarse consonating rales, come under Group III.

Pleuritic dulness, if only of slight extent, is to be left out of account; if it is considerable, pleuritis should be specially mentioned under tuberculous complications.

The following terms are used to describe the conditions of patients on discharge from the Sanatorium:—

“Disease arrested”: General health completely restored in every respect without any sign of disease of lung except such as is compatible with a completely healed lesion. Sputum, if still present, free from tubercle bacilli.

" Much improved " : General health good. Physical signs in the lungs, though much diminished, not entirely cleared up, *e.g.*, perhaps limited to a few crepitations on cough only. Tubercle bacilli still to be detected in the sputum.

" Improved " : General health improved, but imperfectly restored. Physical signs of disease in the lungs, though less marked than on admission, still present.

" Stationary " : No appreciable improvement in the condition of the lungs or in general health.

" Worse " : General or local condition worse.

CASES GROUPED
WITH
SUMMARIES OF EACH GROUP
AND
SUMMARY OF ALL CASES
IN
GROUPS I., II., and III.

CASES GROUPED

SUMMARIES OF EACH GROUP

SUMMARY OF ALL CASES

GROUPS I, II, and III

GROUP I.

Disease of slight severity, limited to small areas of one lobe on either side, which, in case of infection of both apices, does not extend beyond the spine of scapula or the clavicle, or in the case of affection of the apex of one lung does not extend below the second rib in front.

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.							T.
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.		
Book IV.									
133	M	2 months	2	R. & L.	98° —99°8	Favourable	+ 10 lbs. ...	+	
356	M	8 weeks	1	R.	97°5—98°4	Favourable	- 7 lbs. ...	-	
364	M	10 weeks	1	R.	98° —99°	Favourable	+ 0 lb. ...	-	
372	F	2 months	2	R.	97° —98°	Favourable	± 0 lb. ...	+	
377	F	Indefinite	1	R.	98° —99°	Favourable	± 0 lb. ..	-	
381	M	2 months	2	R. & L.	98° —99°	Favourable	- 2 lbs. ...	+	
384	F	2 months	2	R. & L.	98° —99°	Favourable	± 0 lb. ...	+	
385	F	Indefinite	1	L.	98°6—99°2	Favourable	- 1 lb. ...	+	
388	M	Indefinite	1	L.	97° —98°	Favourable	- 4 lbs. ...	-	
392	M	1 month	1	L.	97°4—99.	Favourable	- 2 lbs.	-	
Book V.									
1	F	4 months	2	R. & L.	97° —98°	Favourable	± 0 lbs. ...	+	
4	F	1 year	2	R.	98° —99°	Favourable	± 0 lb. ...	+	
5	F	Indefinite	2	R.	98° —99°	Favourable	- 5 lbs. ...	-	
11	M	6 months	?	?	97° —98°4	Favourable	- 8 lbs. ...	-	
19	F	7 weeks	2	R.	98°4—99°6	Favourable	- 5 lbs. ...	+	
23	F	2 months	3	R. & L.	98° —99°	Favourable	- 4 lbs. ...	-	

	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				T.B.
			General Result.	Daily Exercise.	Relation of Weight to H.K.W.	Temperature Range.	
3	Nil	73 weeks	Arrested	10 miles	+ 27 lbs.	97° — 98°8	—
6	Nil	8 weeks	Arrested	6 miles	+ 10 lbs.	97°4 — 98°4	—
4	Nil	18 weeks	Arrested	12 miles	+ 14 lbs.	97°5 — 99°	—
2	Nil	12 weeks	Much improved	3 miles + work	+ 9 lbs.	98° — 98°8	+
7	Nil	13 weeks	Arrested	6 miles	± 0 lb.	98° — 98°4	—
1	Nil	36 weeks	Arrested	6 miles + work	± 0 lb.	97°4 — 98°4	—
4	Nil	15 weeks	Much improved	5 miles	+ 3 lbs.	97°4 — 98°4	+
5	Nil	27 weeks	Much improved	3 miles + work	+ 4 lbs.	98° — 99°	+
8	Nil	13 weeks	Arrested	10 miles + work	+ 4 lbs.	97° — 98°	—
2	Nil	16 weeks	Arrested	3 miles + work	+ 4 lbs.	98° — 99°	—
1	Nil	27 weeks	Arrested	6 miles	+ 8 lbs.	97°4 — 98°	—
4	Nil	16½ weeks	Much improved	5 miles	+ 9 lbs.	97°6 — 98°6	+
5	Nil	6½ weeks	Arrested	6 miles	± 0 lb.	98°4 — 98°8	—
1	Nil	17 weeks	Arrested	6 miles + work	+ 7 lbs.	97°2 — 98°8	—
19	Nil	8 weeks	Arrested	8 miles	+ 10 lbs.	98° — 99°	—
23	Nil	58 weeks	Arrested	10 miles	+ 5 lbs.	97°8 — 98°2	—

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.							T.
		Supposed Duration of Disease.	No. of Lobes.	Right or Left	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.		
Book V.									
24	F	Indefinite	1	R.	98·6—99·6	Favourable	± 0 lb.	...	+
25	M	8 months	1	R.	98·4—99·	Favourable	± 0 lb.	...	-
35	M	15 months	2	R. & L.	98· —98·4	Favourable	± 0 lb.	...	-
36	F	3 weeks	1	R.	98·4—99·	Favourable	+ 4 lbs.	...	-
43	F	5 months	2	R.	98· —99·	Favourable	- 8 lbs.	...	-
52	M	Indefinite	1	R.	98·4—99·	Favourable	- 7 lbs.	..	-
54	M	3 months	1	R.	97·8—98·4	Favourable	± 0 lb.	...	+
57	M	3 years	1	L.	97·6—98·8	Favourable	± 0 lb.	...	+
68	F	3½ months	2	R.	98· —99·	Favourable	± 0 lb.	...	-
72	F	2 months	1	L.	97· —98·4	Favourable	+ 6 lbs.	...	+
76	F	4 months	2	R. & L.	98·4—99·	Favourable	- 13 lbs.	...	-
82	F	Indefinite	2	R.	98·4—99·4	Unfavourable	- 11 lbs.	...	-
85	M	2 months	2	R.	97· —98·4	Favourable	± 0 lb.	..	-
92	M	7 months	1	R.	98· —99·	Unfavourable	- 9 lbs.	...	+
101	M	5 weeks	1	R.	97·6—99·	Favourable	± 0 lb.	...	+
127	M	3 years	1	R.	97·5—98·4	Favourable	- 3 lbs.	...	+
137	M	3 months	?	R.	97·8—99·	Favourable	± 0 lb.	...	-

continued.

Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
		General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
Tub. of Larynx	14 weeks	Much improved	3 miles	+ 2 lbs.	98° — 99°	+
Nil	17 weeks	Arrested	6 miles ± work	+ 24 lbs.	97°4 — 98°4	—
Nil	22 weeks	Arrested	5 miles + work	+ 14 lbs.	97°8 — 99°	—
Nil	13 weeks	Stationary	6 miles	+ 10 lbs.	98°4 — 99°	—
Nil	24 weeks	Arrested	6 miles	+ 3 lbs.	98° — 98°6	—
Nil	7 weeks	Arrested	10 miles	+ 3 lbs.	97°8 — 98°4	—
Nil	21 weeks	Much improved	5 miles + work	± 0 lb.	97°6 — 98°6	+
Tub. of Larynx	21 weeks	Arrested	5 miles + work	+ 14 lbs.	97°4 — 99°8	—
Nil	14 weeks	Stationary	6 miles	+ 0 lb.	97°6 — 98°	—
Developed Tub. of Larynx during treatment	34 weeks	Much improved	8 miles	+ 14 lbs.	97° — 98°4	—
Nil	37 weeks	Arrested	6 miles	+ 8 lbs.	97°8 — 98°4	—
Nil	30 weeks	Much improved	6 miles	± 0 lb.	98°4 — 99°	—
Nil	31 weeks	Much improved	5 miles + work	+ 17 lbs.	97° — 98°	—
Nil	29 weeks	Arrested	6 miles + work	+ 14 lbs.	98° — 98°8	—
Nil	44 weeks	Much improved	4 miles + work	+ 16 lbs.	97°6 — 98°4	+
Nil	37 weeks	Arrested	3 miles + work	+ 16 lbs.	98°4 — 99°	—
Tub. of Larynx	9 weeks	Arrested	6 miles + work	+ 16 lbs.	98° — 99°	—

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.							T
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.		
Book V.									
152	M	3 weeks	1	R.	98·4—99·4	Unfavourable	— 10 lbs. ...	-	
156	M	5 months	1	L.	97' —98'	Unfavourable	— 4 lbs. ...	-	
173	M	12 months	1	L.	98' —99'	Favourable	± 0 lb. ...	-	
179	M	4 weeks	1	L.	98' —98·4	Favourable	+ 11 lbs. ...	-	
183	M	6 months	1	R.	98' —98·6	Favourable	± 0 lb. ...	+	
193	F	7 months	1	R.	99' —99·5	Favourable	± 0 lb. ...	-	

ntinued.

Complications.	Length of Treat- ment.	CONDITION ON DISCHARGE.				
		General Result.	Daily Exercise.	Relation of Weight to H.K.W.	Temper- ature Range.	T.B.
Nil	11 weeks	Stationary	8 miles	- 12 lbs.	97·6— 99·2	-
Nil	35 weeks	Arrested	10 miles	- 2 lbs.	97·4— 98·4	-
Nil	29 weeks	Arrested	6 miles + work	+ 4 lbs.	98· — 99·	-
Nil	7 weeks	Arrested	8 miles	- 19 lbs.	97·6— 98·6	-
Nil	16 weeks	Stationary	8 miles	+ 4 lbs.	97·4— 98·4	+
Nil	14 weeks	Arrested	8 Miles	+ 3 lbs.	97·6— 99·	-

Group I.

Summary

Number of Cases.	Disease Arrested.	Much Improved.	Improved.	Stationary	Worse.	Died.
39	25	10	—	4	—	—

Disease Arrested	...	...	64 per cent.
Much Improved	...	...	25.6 „
Stationary	...	...	10.3 „

—	Average stay.	Maximum.	Minimum.
Disease Arrested ...	22 weeks.	73 weeks.	6½ weeks.
Much Improved ...	24.4 weeks.	44 weeks.	12 weeks.
Stationary ...	13.5 weeks.	16 weeks.	11 weeks.

Complications

Disease.	No. of Cases.
Tubercle of Larynx ...	3

GROUP II.

Disease of slight severity, more extensive than Group I., but affecting, at most, the whole of one lobe; or severe disease, extending at most to the half of one lobe.

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						T
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	
Book IV.								
357	M	2 months	2	R. & L.	97·4—98·6	Favourable	— 15 lbs. ...	
362	M	10 months	3	R. & L.	98·4—99·6	Favourable	— 11 lbs. ...	
366	M	4 weeks	3	R. & L.	98·4—100·	Unfavourable	— 10 lbs. ..	
367	M	5 years	2	R.	97·6—100·	Unfavourable	— 7 lbs. ...	
368	F	1 year	2	R.	98·4—99·4	Favourable	— 7 lbs. ...	
369	M	2 years	3	R. & L.	98·4—99·2	Favourable	— $\frac{1}{2}$ lb. ...	
370	M	17 years	3	R. & L.	98· —98·8	Favourable	— ? ...	
371	M	?	2	R. & L.	97·4—99·	Unfavourable	— 11 lbs. ...	
373	M	10 months	2	R.	98· —99·	Favourable	+ 10 lbs. ...	
374	M	6 months	4	R. & L.	98· —98·4	Favourable	— 14 lbs. ...	
375	M	6 months	1	R.	98· —98·4	Favourable	± 0 lb. ...	
379	M	3 months	1	R.	97· —98·4	Favourable	— 7 lb. ...	
380	M	1 year	3	R. & L.	99· —101·	Unfavourable	— 28 lbs. ...	
386	F	2 years	3	R. & L.	97·6—99·	Favourable	± 0 lb. ...	
387	M	11 months	3	R. & L.	98· —98·4	Favourable	± 0 lb. ...	
389	F	12 months	3	R. & L.	98· —99·	Favourable	± 0 lb. ...	
394	M	3 months	1	R.	98· —99·	Favourable	± 0 lb. ...	

Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
7	Tub. of Larynx	12 weeks	Improved	6 miles	- 4 lbs.	97'4— 98'6	+
32	Nil.	44 weeks	Arrested	8 miles	- 6 lbs.	97' — 98'4	-
36	Tub. of Larynx	19½ weeks	Stationary	Nil	-10 lbs.	99' — 100'	+
37	Nil.	14 weeks	Improved	1 mile	± 0 lb.	97'5— 99'5	+
38	Tub. of Larynx	25 weeks	Improved	4 miles + work	- 2½ lbs.	98' — 99'2	+
39	Nil.	9 weeks	Much Improved	5 miles + work	± 0 lb.	98' — 98'8	+
70	Nil.	12½ weeks	Much Improved	3 miles + work	+ ?	98' — 98'8	-
71	Nil.	28 weeks	Much Improved	4 miles + work	- 5 lbs.	97'5— 98'6	+
73	Nil.	30 weeks	Arrested	6 miles + work	+21 lbs.	97'4— 98'6	-
74	Nil.	20 weeks	Arrested	5 miles + work	-14 lbs.	97'4— 98'6	-
375	Tub. of Larynx	15 weeks	Much Improved	5 miles + work	+ 9 lbs.	97'8— 98'4	+
379	Tub. of Larynx	19 weeks	Arrested	6 miles + work	+ 7 lbs.	97' — 98'4	-
380	Tub. of Larynx	17½ weeks	Improved	2 miles	-11 lbs.	97'6— 99'6	+
386	Tub. of Larynx	46½ weeks	Arrested	4 miles + work	+18 lbs.	97'6— 98'4	-
387	Tub. of Larynx	45 weeks	Much Improved	6 miles	- 6 lbs.	97' — 98'6	+
389	Nil.	12 weeks	Stationary	5 miles	+ 2 lbs.	98. — 98'4	+
394	Tub. of Larynx	8 weeks	Much Improved	6 miles + work	+17 lbs.	97'4— 98'6	+

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.							T.
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.		
Book IV.									
397	F	1 month	2	R.	98° — 99° 5	Favourable	± 0 lb. ...	+	
399	M	? 2 months	2	R.	98° — 98° 6	Favourable	— 11½ lb. ...	+	
Book V.									
2	M	3 months	2	R. & L.	98° 3 — 99° 2	Unfavourable	— 4 lbs. ...	+	
8	F	5 months	2	L.	98° — 99° 1	Unfavourable	+ 2 lbs. ...	+	
9	M	9 months	3	R. & L.	97° 6 — 99° 6	Unfavourable	— 10½ lbs. ...	+	
10	M	?	3	R.	98° 6 — 99° 2	Favourable	± 0 lbs. ...	+	
15	M	?	3	R. & L.	97° 4 — 98°	Favourable	— 6 lbs. ..	+	
17	F	7 months	4	R. & L.	98° — 98° 4	Favourable	± 0 lbs. ...	+	
18	F	3 months	2	R. & L.	98° — 99°	Favourable	+ 9 lbs. ...	+	
20	M	2 months	3	R. & L.	98° 4 — 100°	Unfavourable	— 12 lbs. ...	+	
21	M	6 months	4	R. & L.	98° 4 — 99° 2	Favourable	+ 2 lbs. ...	+	
26	M	6 months	3	R. & L.	98° — 99° 4	Favourable	± 0 lb. ...	+	
33	F	6 months	2	R.	98° — 100°	Unfavourable	— 12 lbs. ...	+	
34	M	?	2	L.	99° — 100° 6	Unfavourable	— 8 lbs. ...	+	
37	F	1 year	3	R. & L.	98° 4 — 99°	Favourable	± 0 lb. ...	—	
39	M	5 months	5	R. & L.	98° — 99° 4	Unfavourable	± 0 lb. ...	+	

continued.

	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				T.B.
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	
7	Tub. of Larynx	15½ weeks	Stationary	4 miles	-10 lbs.	97.8—98.4	+
9	Nil.	14 weeks	Improved	5 miles + work	+ 4 lbs.	97.4—98.6	+
2	Bronchitis and Tub. of Larynx	34 weeks	Arrested	15 miles	+ 12 lbs.	97.4—98.6	-
8	Bronchitis and Emphysema	4 weeks	Stationary	Nil	+ 2 lbs.	98° — 99°	+
9	Nil.	16 weeks	Stationary	Nil	± 0 lb.	98° — 99.4	+
10	Nil.	8 weeks	Improved	8 miles	+12 lbs.	98.2—98.8	+
15	Nil.	21 weeks	Arrested	10 miles	+17 lbs.	98° — 98.4	-
17	Nil.	45 weeks	Arrested	10 miles	+17 lbs.	97.5—98.4	-
18	Nil.	22 weeks	Stationary	6 miles	+22 lbs.	98° — 99°	+
20	Nil.	21 weeks	Much Improved	5 miles + work	+ 3 lbs.	—	+
21	Nil.	48 weeks	Much Improved	10 miles	+14 lbs.	97.5—98.4	+
26	Nil.	17½ weeks	Improved	2 miles	+ 5 lbs.	98.4—99.4	+
33	Tub. of Larynx	60 weeks	Arrested	4 miles	- 3 lbs.	98° — 98.6	-
34	Tub. of Larynx	32 weeks	Improved	6 miles	+ 4 lbs.	98° — 99°	+
37	Nil.	15 weeks	Arrested	6 miles	+14 lbs.	98° — 99.6	-
39	Tub. of Larynx	25 weeks	Stationary	4 miles	+ 2 lbs.	98° — 99.5	+

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						1
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	
Book V.								
41	F	?	3	R. & L.	97·6—98·8	Favourable	— 7 lbs. ...	
45	M	6 months	2	L.	97·5—99·	Unfavourable	— 17 lbs. ...	
46	M	14 months	3	R. & L.	98· —98·4	Unfavourable	— 10 lbs. ...	
47	M	2 months	4	R. & L.	98· —99·4	Favourable	— 9 lbs. ...	
51	M	15 months	3	R. & L.	98· —99·	Unfavourable	— 3 lbs. ...	
53	M	2 months	3	R. & L.	98· —100·	Unfavourable	— 7 lbs. ...	
55	M	10 months	1	R.	98·4—99·4	Favourable	+ 14 lbs. ...	
56	M	6 months	1	L.	97· —98·	Unfavourable	± 0 lb. ...	
58	M	?	2	R.	99· —100·2	Unfavourable	— 24 lbs. ...	
61	M	2½ years	2	R.	97· —98·6	Favourable	+ 14 lbs. ...	
63	M	7 months	3	R. & L.	98· —99·5	Favourable	— 13 lbs. ...	
65	M	? 3 years	4	R. & L.	97·4—99·	Favourable	± 0 lb. ...	+
69	M	11 years	3	R. & L.	97·6—99·	Favourable	— 16 lbs. ...	+
75	M	1½ years	3	R. & L.	97·5—99·	Favourable	± 0 lb. ...	+
77	M	5 months	4	R. & L.	97·8—99·	Favourable	— 2½ lb. ...	+
78	M	2 months	3	R. & L.	97·5—98·5	Favourable	± 0 lb. ...	+
83	F	5 months	3	R. & L.	98· —98·8	Favourable	— 14 lbs. ...	+

continued.

Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
		General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
Nil.	38 weeks	Much Improved	8 miles	+ 14 lbs.	97° 8'— 98° 4'	—
Nil.	17 weeks	Arrested	4 miles + work	— 6 lbs.	97° 4'— 98° 8'	—
Nil.	19 weeks	Arrested	8 miles	+ 9 lbs.	97° 4'— 98° 4'	—
Nil.	13½ weeks	Improved	7 miles	+ 5 lbs.	97° 6'— 99°	+ ²
Nil.	26 weeks	Arrested	4 miles + work	+ 11 lbs.	97° 8'— 98° 4'	—
Nil.	13 weeks	Stationary	1 mile	± 0 lb.	98° — 99°	+
6 Tub. of Larynx	44 weeks	Much Improved	6 miles	+ 4 lbs.	98° — 99°	+
6 Tub. of Larynx	24 weeks	Worse	5 miles + work	+ 18 lbs.	97° 4'— 98° 4'	—
8 Nil.	20 weeks	Stationary	2 miles	— 10 lbs.	97° 5'— 98° 5'	+
1 Nil.	10 weeks	Improved	10 miles	+ 14 lbs.	97° — 98° 6'	+
33 Tub. of Larynx	28 weeks	Worse	Nil	— 9 lbs.	98° 6'— 100°	+
55 Nil.	57 weeks	Improved	6 miles	+ 10 lbs.	97° 5'— 99° 5'	+
69 Nil.	21 weeks	Much Improved	4 miles + work	± 0 lbs.	97° 5'— 98° 4'	+
75 Nil.	6 weeks	Much Improved	6 miles	+ 3 lbs.	97° 5'— 98° 6'	+
77 Emphysema	33 weeks	Arrested	5 miles + work	+ 7 lbs.	97° 4'— 98° 4'	—
78 Nil.	36 weeks	Much Improved	6 miles	+ 11 lbs.	97° 4'— 98° 4'	+
83 Nil.	67 weeks	Arrested	9 miles	— 10 lbs.	98° — 98° 9'	—

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						T
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	
Book V.								
87	M	8 months	2	R.	98'4—99'2	Favourable	— 20 lbs. ...	
88	M	6 months	2	L.	97'6—99'6	Unfavourable	— 8 lbs. ...	
89	M	3 weeks	2	R. & L.	97' —99'	Favourable	± 0 lb. ...	
91	M	8 months	2	R.	97' —99'	Favourable	— 10 lbs. ...	
93	M	3 months	2	R.	98' —99'2	Unfavourable	— 6 lbs. ...	
95	M	4 years	5	R. & L.	98' —99'8	Unfavourable	— 7 lbs. ...	
96	M	1 month	2	R.	99'8—101'2	Unfavourable	— 18 lbs. ...	
97	M	2 months	2	R.	98'4—99'	Unfavourable	— 24 lbs. ...	
99	F	6 months	3	R. & L.	98' —100'2	Unfavourable	— 21 lbs. ...	
100	M	4 months	2	R.	98' —98'4	Favourable	+ 14 lbs. ...	
103	M	8 months	2	L.	98'4—101'	Unfavourable	— 20 lbs. ...	
105	M	12 years	2	R.	98'2—99'6	Unfavourable	— 10 lbs. ...	
107	F	6 months	4	R. & L.	98' —98'6	Favourable	± 0 lb. ...	
110	M	1 month	4	R. & L.	97'6—99'6	Unfavourable	— 32 lbs. ...	
112	F	3 months	4	R. & L.	98' —98'4	Favourable	± 0 lb. ...	
113	F	2 years	3	R. & L.	97'6—98'4	Favourable	± 0 lb. ...	
114	M	2 months	2	R.	97'8—98'6	Favourable	— 2½ lbs. ...	

continued.

Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
		General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T. B.
Nil.	33 weeks	Arrested	5 miles + work	± 0 lbs.	97.5— 98.5	—
Tub. of Larynx	12 weeks	Much Improved	10 miles	± 0 lbs.	98.4— 99.2	+
Nil.	31 weeks	Much Improved	5 miles + work	+10 lbs.	97.4— 99	+
Nil.	23 weeks	Much Improved	6 miles + work	± 0 lbs.	97.8— 98.4	+
Nil.	34 weeks	Much Improved	5 miles + work	+17 lbs.	97.4— 98.6	+
Nil.	25 weeks	Improved	2 miles	+17 lbs.	97.4— 99.2	+
Nil.	32 weeks	Arrested	6 miles	± 0 lbs.	97.4— 98.8	—
Nil.	25 weeks	Improved	1 mile	± 0 lbs.	97.8— 99	+
Thyroid Disease	29 weeks	Stationary	2 miles	— 9 lbs.	98.4—100.8	+
Chronic Bronchitis	5 weeks	Much Improved	5 miles + work	+19 lbs.	97.8— 98.2	+
Pleurisy	21 weeks	Stationary	Nil	—24 lbs.	99— 101	++
Tub. of Larynx	30 weeks	Arrested	8 miles	+ 7 lbs.	97.4— 98.6	—
Bronchitis Pleurisy	32 weeks	Much Improved	6 miles	+ 6 lbs.	99.4— 99.2	+
Nil.	24 weeks	Stationary	1 mile	—28 lbs.	97.8— 99.6	+
Nil.	8 weeks	Arrested	4 miles	+ 3 lbs.	97.4—98.4	—
Nil.	24 weeks	Much Improved	6 miles	+13 lbs.	97.8— 98.8	+
Pleurisy	18 weeks	Arrested	5 miles + work	+22 lbs.	97.8— 98.4	—

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						T
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	
Book V.								
115	M	8 months	2	R.	98' — 99'	Favourable	± 0 lbs. ...	
116	M	6 weeks	3	R. & L.	98'8— 99'8	Favourable	± 0 lb. ...	
118	F	3 months	2	R. & L.	99' — 99'6	Favourable	— 4 lbs. ...	
120	M	4 years	3	R. & L.	97' — 98'	Favourable	± 0 lb. ...	
121	M	3 months	1	R.	97. — 98'	Unfavourable	± 0 lb. ...	
123	M	10 months	1	L.	98'4— 99'8	Favourable	— 3 lbs. ...	
126	M	3 months	3	R. & L.	97'8— 98'8	Unfavourable	+ 5 $\frac{3}{4}$ lbs. ...	
129	M	1 year	2	L.	97' — 99'	Favourable	— 5 lbs. ...	
132	M	2 years	3	R. & L.	97'6— 98'8	Favourable	— 12 lbs. ...	
135	F	2 months	2	L.	97'4— 98'4	Favourable	— 8 lbs. ...	
136	F	6 months	4	R. & L.	97'4— 99'6	Favourable	+ 7 lbs. ...	
138	M	4 months	2	R.	98'6 — 99'5	Favourable	+ 4 lbs. ...	
139	M	3 months	3	R. & L.	98' — 99'	Unfavourable	± 0 lb. ...	
140	F	9 months	3	R. & L.	98'4— 99'6	Unfavourable	— 7 lbs. ...	
141	M	6 months	2	R.	97'4— 99'	Favourable	± 0 lbs. ...	
143	M	18 months	4	R. & L.	97'4— 99'	Favourable	— 7 lbs. ...	
146	M	2 months	2	R. & L.	98. — 99'	Favourable	— 14 lbs. ...	

-continued.

Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
		General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
Nil.	33 weeks	Much Improved	5 miles + work	+ 13 lbs.	97.6— 98.8	+
Nil.	38 weeks	Much Improved	4 miles + work	± 0 lbs.	97.4— 98.6	+
Tub. of Larynx	39 weeks	Improved	5 miles	± 0 lbs.	98.6— 99.2	+
Nil.	14½ weeks	Much Improved	5 miles + work	+ 7 lbs.	97. — 97.6	+
Diabetes	5½ weeks	Stationary	4 miles	± 0 lb.	98. — 99.5	+
Tub. of Larynx	14 weeks	Arrested	4 miles + work	+ 4 lbs.	97.8— 98.8	—
Nil.	4 weeks	Arrested	4 miles + work	+ 9 lbs.	97.4— 98.4	—
Nil.	25 weeks	Much Improved	10 miles	± 0 lbs.	96.8— 98.6	+
Nil.	36 weeks	Much Improved	5 miles + work	— 6 lbs.	97.5— 99.	+
Nil.	33½ weeks	Much Improved	6 miles	— 2 lbs.	97.6— 98.8	+
Nil.	31 weeks	Stationary	5 miles	— 5 lbs.	98.4— 99.	+
Nil.	9½ weeks	Much Improved	6 miles	+ 6 lbs.	98.4— 99.	—
Tub. of Larynx	33 weeks	Much Improved	5 miles + work	+ 12 lbs.	97.4—98.4	+
Pleurisy	11 weeks	Stationary	Nil.	— 8 lbs.	98. — 100.	+
Nil.	19½ weeks	Much Improved	6 miles + work	+ 2 lbs.	97.4— 95.6	+
Nil.	10 weeks	Stationary	4 miles	— 12 lbs.	97.8— 99.	+
Nil.	32 weeks	Arrested	5 miles + work	+ 2 lbs.	97.5— 99.	—

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.					
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.
Book V.							
151	F	5 months	2	L.	98'4— 98'6	Favourable	+ 4 lbs. ...
153	M	16 months	2	R. & L.	97'4— 99'6	Unfavourable	- 14 lbs. ...
154	F	12 months	4	R. & L.	98'4— 99'6	Favourable	- 7 lbs. ...
158	F	4 months	1	R.	98'4— 99'6	Unfavourable	± 0 lb. ...
159	M	6 months	2	R.	99' — 99'6	Favourable	- 15 lbs. ...
160	M	3 years	4	R. & L.	97'4— 98'	Favourable	- 10 lbs. ...
161	M	12 months	3	R. & L.	98' — 99'8	Unfavourable	- 6 lbs. ...
162	F	8 months	1	R.	99'6— 99'8	Favourable	± 0 lb. ...
164	M	2 months	2	R.	98'4— 99'8	Favourable	- 25 lbs. ...
166	M	1 year	2	R.	97'8— 98'8	Favourable	± 0 lb. ...
167	F	2 years	2	R.	98' — 98'6	Favourable	- 10 lbs.
168	M	14 years	3	R. & L.	98' — 98'6	Favourable	- 6 lbs. ...
171	M	4 years	4	R. & L.	98' — 99'2	Favourable	- 8 lbs. ...
172	M	3 months	2	L.	99' — 100'6	Unfavourable	- 16 lbs. ...
175	M	1 year	2	R.	97'8— 98'6	Favourable	± 0 lb. ...
178	F	5 months	2	R.	98'6	Favourable	± 0 lb. ...
177	M	2 months	2	L.	97'8— 98'6	Favourable	- 9 lbs. ...

-continued.

Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
1	Nil.	29½ weeks	Much Improved	6 miles	+ 6 lbs.	97'8—98'6	+
3	Nil.	38 weeks	Stationary	Nil.	- 4 lbs.	98'—100'8	+
4	Tub. of Larynx	30 weeks	Improved	4 miles	-12 lbs.	98'—99'	+
8	Tub. of Larynx	15 weeks	Improved	2 miles	+ 4 lbs.	98'—99'2	+
9	Nil.	12 weeks	Improved	6 miles	- 7 lbs.	97'8—99'4	+
10	Nil.	9½ weeks	Arrested	4 miles + work	+ 5 lbs.	97'8—98'4	-
11	Nil.	14 weeks	Worse	Nil.	- 2 lbs.	99'—101'	+
12	Tub. of Larynx	11½ weeks	Improved	4 miles	+ 8 lbs.	98'—98'8	-
14	Bronchitis Tub. of Larynx	15½ weeks	Stationary	4 miles	-20 lbs.	98'6—99'4	+
16	Nil	29 weeks	Arrested	5 miles + work	+ 10 lbs.	97'5—98'8	-
17	Nil	13 weeks	Stationary	3 miles	- 1 lb.	97'8—98'8	+
18	Nil	23 weeks	Improved	3 miles + work	+ 5 lbs.	98'2—98'8	+
21	Bronchitis	12 weeks	Much Improved	6 miles	± 0 lb.	98'—99'	+
22	Nil	25½ weeks	Improved	4 miles	± 0 lb.	97'6—98'6	+
25	Tub. of Larynx	17 weeks	Much Improved	6 miles + work	- 5 lbs.	97'8—98'8	+
26	Nil	19 weeks	Died	in Sanatorium.		—	
27	Tub. of Larynx	31 weeks	Stationary	8 miles	- 15 lbs.	97'4—99'	+

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	T
Book V								
178	M	3 years	2	R. & L.	98'4— 99'8	Unfavourable	± 0 lb. ...	
182	M	1 year	3	R. & L.	98'4— 99'4	Favourable	± 0 lb. ...	
186	F	?	2	R.	98'4— 99'2	Favourable	+ 7 lbs. ...	
187	M	12 months	2	L.	97'8— 99'	Favourable	+ 20 lbs. ...	
188	F	2 years	3	R. & L.	98'4— 99'6	Favourable	± 0 lb. ...	
191	F	4 months	1	R.	98'4— 99'	Favourable	± 0 lb. ...	
192	F	6 years	4	R. & L.	98' — 98'6	Favourable	± 0 lb. ...	
194	M	1 year	3	R. & L.	98' — 99'2	Favourable	- 5 lbs. ...	
198	F	2 years	3	R. & L.	98'4— 99'	Favourable	+ 28 lbs. ...	

-continued.

Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
ok							
78	Nil	25 weeks	Improved	4 miles	$\pm$ 0 lb.	97'4— 99'	+
82	Nil	22 weeks	Much improved	6 miles	+ 12 lbs.	98' — 99'2	+
86	Nil	20 weeks	Arrested	1 mile	+ 5 lbs.	98'4— 99'	-
87	Tub. of Larynx	28 weeks	Much improved	4 miles + work	+ 14 lb.	97'4—98'6	+
88	Nil	7 weeks	Stationary	Nil	- 6 lbs.	98'4— 99'6	-
91	Nil	28 weeks	Worse	Nil	$\pm$ 0 lb.	98' — 99'8	+
92	Nil	27½ weeks	Much improved	3 miles	$\pm$ 0 lb.	97'6— 98'6	-
94	Tub. of Larynx	13 weeks	Much improved	3 miles + work	+ 1 lb.	97'8— 99'	+
98	Nil	13½ weeks	Improved	3 miles	$\pm$ 0 lb.	98'4— 99'8	+

Group II.

Summary

No. of Cases.	Disease Arrested.	Much Improved.	Improved.	Stationary.	Worse	Died.
110	26	36	22	12	4	1

Disease Arrested	...	...	23·6 per cent.
Much Improved	...	...	32·7 „
Improved	...	...	20 „
Stationary	...	...	19·09 „
Worse	...	...	3·63 „
Died	...	...	·9 „

—	Average Stay.	Maximum.	Minimum.
Disease arrested ...	27·2 weeks	67 weeks	8 weeks
Much improved ...	25·2 weeks	60 weeks	5 weeks
Improved ...	22·1 weeks	57 weeks	8 weeks
Stationary ...	18·1 weeks	38 weeks	7 weeks
Worse ...	23·5 weeks	28 weeks	14 weeks
Died ...			

Complications

Disease.	No. of Cases.
Tubercle of Larynx ...	29
Bronchitis ...	5
Emphysema ...	2
Pleurisy ...	4
Diabetes ...	1
Disease of Thyroid ...	1

GROUP III.

All cases of greater severity than Group II., and all those with considerable cavities.

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	T.
Book IV.								
358	F	3 years	5	R. & L.	98' — 102	Unfavourable	— 17 lbs. ...	+
359	M	2 years	5	R. & L.	98' — 100'	Unfavourable	— 24 lbs. ...	+
361	M	2 years	3	R. & L.	98'8—100'4	Unfavourable	Unknown	+
363	M	3 months	4	R. & L.	98'4— 99'4	Favourable	— 10 lbs. ...	+
365	M	3 years	5	R. & L.	98'4— 99'	Favourable	+ 14 lbs. ...	+
376	M	6 weeks	2	L.	98'4— 99'8	Unfavourable	— 18 lbs. ...	+
378	M	2 years	5	R. & L.	98'4— 99'	Favourable	— 11 lbs. ...	+
383	M	?	5	R. & L.	99' — 101'8	Unfavourable	— 25 lbs. ...	+
395	M	2 years	4	R. & L.	98' — 98'6	Unfavourable	— 3 lbs. ...	+
Book V.								
12	F	3½ years	2	R.	98'6— 99'6	Unfavourable	— 7 lbs. ...	+
27	M	10 months	5	R. & L.	98' — 99'6	Unfavourable	— 14 lbs. ...	+
40	F	8 months	3	R. & L.	98'6— 99'8	Unfavourable	— 7 lbs. ...	+
42	M	6 months	5	R. & L.	98'4— 99'8	Unfavourable	± 0 lb. ...	+
44	F	3 years	4	R. & L.	99' — 99'6	Unfavourable	± 0 lb. ...	+
48	F	1½ years	4	R. & L.	98' — 98'4	Favourable	+ 7 lbs. ...	+
50	M	14 months	4	R. & L.	97'2— 98'4	Unfavourable	— 23 lbs. ...	+

I.

No. of Case in Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T. B.
Book V.							
358	Nil	11 weeks	Worse	Nil	- 23½ lbs.	98° — 102°5	+
359	Nil	8 weeks	Stationary	Nil	- 26 lbs.	98° — 100°5	+
361	Nil	4½ weeks	Stationary	Nil	± 0 lb.	98° — 100°2	+
363	Nil	12½ weeks	Improved	6 miles	- 12 lbs.	97°6 — 99°	+
365	Asthma	8 weeks	Stationary	4 miles	+ 14 lbs.	98°4 — 99°	+
376	Tub. of Larynx	24 weeks	Improved	5 miles	± 0 lb.	98° — 99°	+
378	Tub. of Larynx	11½ weeks	Much improved	4 miles + work	- 9 lbs.	98° — 98°6	-
383	Nil	9 weeks	Stationary	Nil	- 27 lbs.	99° — 100°	+
395	Nil	10 weeks	Much improved	7 miles	+ 6 lbs.	97°5 — 98°5	+
Book V.							
12	Tub. of Larynx	12 weeks	Stationary	Nil	+ 4 lbs.	99° — 100°	+
27	Nil	25 weeks	Much improved	5 miles	- 10 lbs.	97°4 — 98°4	+
40	Tub. of Larynx	4½ weeks	Worse	Nil	- 7 lbs.	98°4 — 99°8	+
42	Tub. of Larynx	35 weeks	Improved	Nil	± 0 lb.	98° — 99°5	+
44	Nil	24 weeks	Stationary	4 miles	+ 7 lbs.	98°4 — 99°	+
48	Nil	12 weeks	Improved	4 miles	+ 7 lbs.	98° — 99°	+
50	Tub. of Larynx	11½ weeks	Improved	4 miles	- 14 lbs.	97°4 — 98°8	+

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.							T.
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.		
Book V.									
64	F	? 8 years	4	R. & L.	98°0— 99°4	Favourable	± 0 lb. ...	—	
66	F	12 months	4	R. & L.	97°4— 99°4	Unfavourable	— 14 lb. ...	+	
70	F	4 months	1	L.	99° — 102°	Unfavourable	— 7 lbs. ...	+	
71	F	2 years	3	R. & L.	98° — 99°5	Unfavourable	± 0 lb ...	+	
73	F	10 years	5	R. & L.	98° — 99°	Unfavourable	± 0 lb. ...	—	
74	M	16 months	4	R. & L.	99° - 100°	Unfavourable	— 31 lbs. ...	+	
84	M	4 months	3	R. & L.	97°5— 99°	Favourable	— 4 lbs. ...	+	
90	M	2½ years	4	R. & L.	98° — 99°8	Unfavourable	— 14 lbs. ...	+	
94	F	1½ years	3	R. & L.	99° — 99°6	Unfavourable	— 7 lbs. ...	+	
98	M	2 years	4	R. & L.	98° — 99°6	Unfavourable	— 28 lbs. ...	+	
104	F	3 years	4	R. & L.	98°4—100°4	Unfavourable	— 24 lbs. ...	+	
106	M	6 months	3	R.	99° —100°	Unfavourable	± 0 lbs. ...	+	
111	F	2 years	3	R. & L.	98° — 98°4	Unfavourable	— 7 lbs. ...	+	
117	M	2 months	2	L.	99° - 100°	Unfavourable	± 0 lb. ...	+	
119	F	12 months	4	R. & L.	98°4— 99°4	Unfavourable	— 7 lbs. ...	+	
125	F	6 months	4	R. & L.	98° —100°	Favourable	— 12 lbs. ...	+	
128	M	18 months	3	R. & L.	98°4—101°	Unfavourable	— 26 lbs. ...	+	

I.—continued.

No. of Case in Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to H.K.W.	Temperature Range.	T.B.
Book V.							
64	Nil	21 weeks	Much improved	5 miles	+ 16 lb.	98'4—99'2	—
66	Nil	5 weeks	Stationary	Nil	— 16 lbs.	97'5—98'8	+
70	Nil	6 weeks	Worse	Nil	— 18 lbs.	97'—102'	+
71	Tub. of Larynx	36 weeks	Improved	6 miles	+ 20 lbs.	98'—98'4	+
73	Nil	14 weeks	Arrested	5 miles	± 0 lb.	97'5—98'5	—
74	Nil	7 weeks	Stationary	Nil	— 32 lbs.	98'4—99'6	+
84	Nil	42 weeks	Much improved	10 miles	± 0 lb.	97'2—98'4	+
90	Tub. of Larynx	19 weeks	Improved	6 miles	± 0 lb.	98'—99'8	+
94	Tub. of Larynx	30 weeks	Much improved	6 miles	± 0 lb.	98'—99'	—
98	Tub. of Larynx	11 weeks	Stationary	Nil	— 9 lbs.	99'—100'	+
104	Nil	21 weeks	Stationary	Nil	— 13 lbs.	98'4—100'	+
106	Tub. of Larynx	32 weeks	Worse	Nil	—	99'—100'5	+
111	Severe Anæmia	26 weeks	Arrested	7 miles	+ 6 lbs.	97'5—98'4	—
117	Nil	6½ weeks	Worse	Nil	— 3 lbs.	102'—103'	+
119	Bronchitis	39 weeks	Stationary	Nil	— 23 lbs.	98'4—99'8	+
125	Tub. of Larynx	24 weeks	Improved	Nil	± 0 lb.	98'—98'6	+
128	Tub. of Larynx	5 weeks	Stationary	Nil	— 20 lbs.	98'—101'5	+

No. of Case in Register.	Sex.	CONDITION ON ADMISSION.						
		Supposed Duration of Disease.	No. of Lobes.	Right or Left.	Temperature Range.	General Health.	Relation of Weight to Highest Known Weight.	T.B.
Book V. 184	M	2 months	3	R. & L.	99.5—101.5	Unfavourable	— 11 lbs. ...	+
145	M	2 years	4	R. & L.	97.6— 98.6	Favourable	— 6 lbs. ...	—
147	M	3 months	4	R. & L.	99. —100.	Unfavourable	— 14 lbs. ...	+
155	F	4 months	4	R. & L.	98.8—100.	Unfavourable	± 0 lb. ...	+
163	F	Several years	5	R. & L.	98.4— 99.4	Unfavourable	± 0 lb. ...	+
169	M	6 months	5	R. & L.	98.4— 99.	Unfavourable	± 0 lb. ...	+
170	M	3 years	5	R. & L.	97.4— 98.2	Favourable	+ 7 lbs. ...	+
180	F	10 months	4	R. & L.	98.4— 99.	Unfavourable	— 8 lbs. ...	+
181	F	18 months	3	R.	98.4—100.	Unfavourable	± 0 lb. ...	+
184	F	10 months	5	R. & L.	98.4—100.	Unfavourable	+ 5 lbs. ...	+
190	M	2½ months	4	R. & L.	97.8— 99.6	Unfavourable	— 5 lbs. ...	+
193	F	4 months	3	R. & L.	99. —100.	Favourable	± 0 lb. ...	+
196	M	8 months	3	R. & L.	98.2— 99.8	Unfavourable	— 11 lbs. ...	+

—continued.

No. of Case in Register.	Complications.	Length of Treatment.	CONDITION ON DISCHARGE.				
			General Result.	Daily Exercise.	Relation of Weight to Highest Known Weight.	Temperature Range.	T.B.
34	Tub. of Larynx	9 weeks	Worse	Nil	- 7 lbs.	99°5—101°8	+
45	Nil	12 weeks	Much improved	10 miles	- 4 lbs.	97°4— 98°4	-
47	Nil	23 weeks	Stationary	Nil	- 5 lbs.	98°2— 99°6	+
55	Nil	24 weeks	Improved	2 miles	+ 3 lbs.	98°4— 99°	+
63	Tub. of Larynx	26 weeks	Much improved	4 miles	- 4 lbs.	98°4— 99°6	+
69	Nil	14 weeks	Stationary	2 miles	± 0 lb.	98° — 99°6	+
70	Nil	20 weeks	Improved	6 miles	+ 3 lbs.	97° — 98°8	+
80	Nil	29½ weeks	Worse	Nil	- 6 lbs.	98°4— 99°	+
81	Nil	5 weeks	Stationary	Nil	± 0 lb.	99° —100°5	+
84	Tub. of Larynx Bronchitis	17 weeks	Stationary	Nil	- 3 lbs.	99° —100°5	+
90	Chronic Nephritis	28 weeks	Stationary	Nil	+ 14 lbs.	98° — 99°4	+
95	Tub. of Larynx Bronchitis	7 weeks	Worse	Nil	± 0 lb.	100° —101°	+
96	Tub. of Larynx	21 weeks	Worse	Nil	- 18 lbs.	98°4—100°	+

Group III.

Summary

No. of Cases.	Disease Arrested.	Much Improved.	Improved.	Stationary	Worse.	Died.
46	2	8	10	17	9	—

Disease arrested	...	...	4.34 per cent.
Much improved	...	...	17.39 "
Improved	...	...	21.73 "
Stationary	...	...	36.95 "
Worse	...	...	19.56 "

	Average.	Maximum.	Minimum.
Disease arrested	20 weeks	26 weeks	14 weeks
Much improved	22.1 weeks	42 weeks	10 weeks
Improved	21.8 weeks	36 weeks	11½ weeks
Stationary	14.1 weeks	39 weeks	4½ weeks
Worse	13.9 weeks	32 weeks	4½ weeks

Complications

Disease.	No. of Cases.
Tubercle of Larynx	18
Bronchitis	3
Chronic Nephritis	1
Asthma	1
Severe Anæmia	1

GROUP IV.

Cases in which no definite evidence of Pulmonary
Tuberculosis was found.

No. in Register.	Sex.	Presence or Absence of Suspicious Physical Signs	General Condition.	Complement Fixation Test.	Opsonic Ind. Test.
Vol. IV.					
382	F	+	Favourable		
390	F	+	Favourable		
391	M	—	Favourable		
393	M	—	Unfavourable		
398	F	+ In Pleura	Favourable		
400	M	+	Unfavourable		
401	F	+	Favourable		
Vol. V.					
3	M	—	Favourable	Positive	
7	M	—	Favourable		
13	F	—	Favourable		
14	M	+	Unfavourable	Negative	
16	F	+	Favourable		
28	F	—	Favourable	Negative	
29	F	—	Favourable		
30	F	—	Favourable	Positive	
31	F	+	Favourable	Negative	
32	F	—	Favourable	Negative	
38	F	—	Favourable	Negative	
49	F	+	Favourable	Negative	
59	M	+	Favourable	Negative	
60	F	+	Favourable	Negative	
62	F	+	Unfavourable	Negative	'91 '89 1'00
67	F	—	Favourable	Negative	

V.

Reaction to Subcutaneous Tuberculin.		Diagnosis.	Condition on Discharge.
General Reaction.	Focal Reaction.		
+	—	Arrested disease	Favourable
	—	Thickened Pleura	Favourable
	—	No active Tuberculosis	Favourable
	—	No active Tuberculosis	Unfavourable
+	—	No active Tuberculosis	Favourable
—	—	Arrested disease	Favourable
+	—	Arrested disease	Favourable
—	—	No active Tuberculosis	Favourable
	—	No active Tuberculosis	Favourable
	—	No active Tuberculosis	Favourable
	—	Mediastinal Tumour	Unfavourable
+	—	Arrested disease	Favourable
	—	No active Tuberculosis	Favourable
+	—	No active Tuberculosis	Favourable
+	—	Arrested disease	Favourable
	—	Arrested disease	Favourable
	—	No active Tuberculosis	Unfavourable
Slight	—	No active Tuberculosis	Favourable
Slight	—	Arrested disease	Favourable
	—	Arrested disease	Favourable
	—	Arrested disease	Favourable
+	—	Arrested disease	Favourable
+	—	Arrested disease	Much improved
+	—	No active Tuberculosis	Favourable

No. in Register.	Sex.	Presence or Absence of Suspicious Physical Signs.	General Condition.	Complement Fixation Test.	Opsonic Index Test.		
Vol. V.							
79	M	+	Unfavourable	Negative			
80	M	+	Favourable	Negative			
81	F	+	Unfavourable	Negative	'91	'90	'88
86	M	+ In Pleura	Favourable	Negative			
102	F	+ In Pleura	Unfavourable	Negative	1'01	'92	1'08
109	F	+	Favourable	Negative	1'10	1'13	1'21
122	F	+	Favourable	Negative	'95	'88	'93
124	F	+	Unfavourable	Negative	'86	'96	'99
131	F	+	Favourable	Negative	'93	1'05	'93
142	M	+	Favourable	Negative	1'00	'92	1'01
144	F	—	Favourable	Negative	'96	'98	'98
148	M	—	Favourable	Negative	'97	1'05	'93
149	F	+	Favourable	Negative			
150	F	—	Favourable	Negative	'98	1'02	1'06
157	F	+	Unfavourable	Negative	1'11	1'23	1'18
165	M	—	Favourable	Negative	1'08	1'11	1'02
174	F	—	Favourable	Doubtful	'95	1'04	'96
185	F	+ In Pleura	Favourable	Positive	'56	'58	'68
189	M	—	Favourable	Negative	'80	'80	'95
197	F	—	Favourable	Negative	'97	1'03	1'03

✓—continued.

Reaction to Subcutaneous Tuberculin.		Diagnosis.	Condition on Discharge.
General Reaction.	Focal Reaction.		
		Arrested disease	Improved
—	—	No active Tuberculosis	Favourable
+	—	Arrested disease	Improved
	—	No active Tuberculosis	Favourable
—	—	No active Tuberculosis	Improved
	—	No active Tuberculosis	Favourable
+	—	Arrested disease	Favourable
	—	Arrested disease	Improved
+	—	Arrested disease	Favourable
+	—	Arrested disease	Favourable
	—	Nil	Favourable
+	—	Nil	Favourable
+	—	Arrested disease	Favourable
+	—	No active Tuberculosis	Favourable
	—	Malta Fever	Stationary
+	—	No active Tuberculosis	Favourable
	—	No active Tuberculosis	Favourable
+	+ In Pleura	Disease of Pleura	Favourable
+	—	No active Tuberculosis	Favourable
	—	No active Tuberculosis	Favourable

Summary of all Groups exclusive of Group IV.

	Number of Cases	Disease Arrested	Much Im- proved	Im- proved	Stationary	Worse	Died
Group I. ...	39	25	10	—	4	—	—
Group II. ...	110	26	36	22	21	4	1
Group III. ...	46	2	8	10	17	9	—
	195	53	54	32	42	13	1

Disease arrested	...	...	...	27·1 per cent.
Much improved	...	...	...	27·6 „
Improved	...	..	...	16·4 „
Stationary	...	...	...	21·5 „
Worse	...	...	...	6·6 „
Died in Sanatorium	...	...	...	0·5 „

Table A.—Statistics of Ultimate Results.*Cases in the sputum of which T.B were demonstrated in the Sanatorium.***All Cases considered together**

Year of discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	125	94	82	73	65	56	42	63	20
1907-08	208	—	149	129	112	94	71	100	37
1908-09	215	—	—	154	110	93	70	117	28
1909-10	192	—	—	—	138	112	90	80	22
1910-11	199	—	—	—	—	133	92	77	30
1911-12	199	—	—	—	—	—	111	50	38

Group I. considered separately

Year of discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	30	27	23	21	20	20	15	8	7
1907-08	49	—	43	40	35	31	27	13	9
1908-09	35	—	—	32	28	25	23	9	3
1909-10	48	—	—	—	44	37	34	8	6
1910-11	54	—	—	—	—	50	40	4	10
1911-12	39	—	—	—	—	—	27	4	8

Group II. considered separately

Year of discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	57	50	45	40	37	31	22	25	10
1907-08	91	—	69	61	56	47	32	37	22
1908-09	98	—	—	82	59	48	34	47	17
1909-10	96	—	—	—	69	59	44	39	13
1910-11	106	—	—	—	—	68	43	45	18
1911-12	114	—	—	—	—	—	65	24	25

Group III. considered separately

Year of discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	38	17	14	12	8	6	5	30	3
1907-08	68	—	37	28	22	18	12	50	6
1908-09	82	—	—	40	31	22	13	61	8
1909-10	48	—	—	—	25	16	12	33	3
1910-11	39	—	—	—	—	15	9	28	2
1911-12	46	—	—	—	—	—	19	22	5



Table A. — Statistics of Ultimate Results.*Cases in the sputum of which T.B were not demonstrated in the Sanatorium.***All Cases considered together**

Year of Discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. Dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	24	23	20	19	19	18	15	2	7
1907-08	49	—	49	47	45	40	33	5	11
1908-09	61	—	—	57	45	41	33	10	17
1909-10	59	—	—	—	54	49	44	6	9
1910-11	46	—	—	—	—	42	32	4	9
1911-12	48	—	—	—	—	—	36	3	8

Group I. considered separately

Year of Discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. Dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	16	16	14	14	14	13	10	0	6
1907-08	30	—	30	30	29	25	23	1	6
1908-09	37	—	—	36	28	27	19	5	13
1909-10	42	—	—	—	39	36	32	3	7
1910-11	36	—	—	—	—	33	25	3	8
1911-12	26	—	—	—	—	—	22	0	4

Group II. considered separately

Year of Discharge	Number discharged	Number "well" or "alive" in each successive year after discharge						No. Dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	7	6	5	5	5	5	5	1	1
1907-08	17	—	17	15	14	13	10	3	4
1908-09	22	—	—	20	16	13	14	4	4
1909-10	15	—	—	—	13	11	10	3	2
1910-11	9	—	—	—	—	8	8	0	1
1911-12	20	—	—	—	—	—	14	2	4

Group III. considered separately

Year of Discharge	Number dis- charged	Number "well" or "alive" in each successive year after discharge						No. Dead in 1913	No. lost sight of in 1913
		1908	1909	1910	1911	1912	1913		
1906-07	1	1	1	0	0	0	0	1	0
1907-08	2	—	2	2	2	2	0	1	1
1908-09	2	—	—	1	1	1	1	1	0
1909-10	2	—	—	—	2	2	2	0	0
1910-11	1	—	—	—	—	1	0	1	0
1911-12	2	—	—	—	—	—	1	1	0



Table B.—Statistics of Ultimate Results.*Cases in the sputum of which T.B. were demonstrated in the Sanatorium.*

Condition on Admission	Condition on Discharge	Discharged during the year						Condition in 1913
		1906-07	07-08	08-09	09-10	10-11	11-12	
GROUP I	Disease arrested	8	13	14	8	12	14	Well
		1	1	1	1	—	1	Alive
		3	7	—	1	—	3	Dead
		4	2	1	4	4	4	Unknown
	Much improved	4	8	8	20	19	5	Well
		1	3	—	2	3	4	Alive
		5	3	5	3	3	—	Dead
		3	5	1	1	5	4	Unknown
	Improved	—	2	—	2	2	—	Well
		—	—	—	—	2	—	Alive
		—	1	2	3	—	—	Dead
		—	—	1	—	—	—	Unknown
	Stationary or worse	1	—	—	—	1	—	Well
		—	—	—	1	1	3	Alive
		—	2	2	1	1	1	Dead
		—	2	—	1	1	—	Unknown
GROUP II	Disease arrested	3	—	6	10	8	14	Well
		1	1	1	—	—	—	Alive
		1	—	1	1	2	—	Dead
		1	2	7	2	4	4	Unknown
	Much improved	12	26	15	12	14	19	Well
		3	1	5	6	10	13	Alive
		12	11	11	15	17	4	Dead
		5	11	6	8	9	8	Unknown
	Improved	2	1	3	8	3	5	Well
		—	3	3	4	2	6	Alive
		7	8	16	12	8	7	Dead
		3	4	4	—	1	5	Unknown
	Stationary or worse	1	—	1	2	2	2	Well
		—	—	—	2	4	6	Alive
		5	18	19	11	18	13	Dead
		1	5	—	3	4	8	Unknown
GROUP III	Disease arrested	—	—	—	—	—	2	Well
		—	—	—	—	—	—	Alive
		—	—	—	—	—	—	Dead
		—	—	2	—	—	—	Unknown
	Much improved	3	3	6	3	1	2	Well
		1	2	1	3	3	2	Alive
		4	10	2	3	3	2	Dead
		2	4	—	2	2	1	Unknown
	Improved	—	6	2	2	—	1	Well
		1	—	4	3	4	6	Alive
		9	15	21	13	11	6	Dead
		1	1	4	—	—	—	Unknown
	Stationary or worse	—	—	—	1	—	2	Well
		—	1	—	—	1	4	Alive
		17	25	38	17	14	14	Dead
		—	1	2	1	—	4	Unknown
SUMMARY ...	...	34	59	55	68	62	66	Well
		8	12	15	22	30	45	Alive
		63	100	117	80	77	50	Dead
		20	37	28	22	30	38	Unknown
Total ...		125	208	215	192	199	199	

Table B.—Statistics of Ultimate Results.*Cases in the sputum of which T.B. were not demonstrated in the Sanatorium.*

Condition on Admission	Condition on Discharge	Discharged during the year						Condition in 1913
		1906-07	07-08	08-09	09-10	10-11	11-12	
GROUP I	Disease arrested	9	16	16	27	24	19	Well
		—	3	1	2	1	3	Alive
		—	—	4	2	3	—	Dead
		5	5	12	7	6	3	Unknown
	Much improved	—	4	—	2	—	—	Well
		1	—	—	—	—	—	Alive
		—	1	1	—	—	—	Dead
		1	—	—	—	1	—	Unknown
	Improved	—	—	1	—	—	—	Well
		—	—	—	—	—	—	Alive
		—	—	—	1	—	—	Dead
		—	1	1	—	—	1	Unknown
	Stationary or worse	—	—	1	—	—	—	Well
		—	—	—	1	—	—	Alive
		—	—	—	—	—	—	Dead
		—	—	—	—	1	—	Unknown
GROUP II	Disease arrested	4	3	6	4	5	4	Well
		—	1	—	1	—	2	Alive
		1	1	—	—	—	—	Dead
		—	3	—	1	1	3	Unknown
	Much improved	1	4	4	5	3	6	Well
		—	1	—	—	—	1	Alive
		—	1	3	3	—	1	Dead
		1	1	2	—	—	1	Unknown
	Improved	—	1	2	—	—	—	Well
		—	—	2	—	—	—	Alive
		—	—	—	—	—	1	Dead
		—	—	1	—	—	—	Unknown
	Stationary or worse	—	—	—	—	—	—	Well
		—	—	—	—	—	1	Alive
		—	1	1	—	—	—	Dead
		—	—	1	1	—	—	Unknown
GROUP III	Much Improved	—	—	1	1	—	—	Well
		—	—	—	—	—	—	Alive
		1	1	1	—	—	1	Dead
		—	1	—	—	—	—	Unknown
	Improved	—	—	—	1	—	—	Well
		—	—	—	—	—	1	Alive
		—	—	—	—	1	—	Dead
		—	—	—	—	—	—	Unknown
SUMMARY ...	...	14	28	31	40	32	29	Well
		1	5	3	4	1	8	Alive
		2	5	10	6	4	3	Dead
		7	11	17	9	9	8	Unknown
Total ...		24	49	61	59	46	48	

