

1938.
NEW ZEALAND.

MENTAL HOSPITALS OF THE DOMINION
(REPORT ON) FOR 1937.

Presented to both Houses of the General Assembly pursuant to Section 78 of the Mental Defectives Act, 1911.

The DIRECTOR-GENERAL to the Hon. P. FRASER, Minister in Charge of the Department of Mental Hospitals.

SIR,—Wellington, 1st June, 1938.
I have the honour to present my annual report upon the work of the Department of Mental Hospitals for the year ended 31st December, 1937.

There were 8,234 names of persons upon the registers at the end of the year, including 46 patients and boarders at Ashburn Hall, which is the only licensed institution in the Dominion, and 638 patients and boarders who were on probation in the care of friends and relatives.

In actual residence in State hospitals there were 7,552 persons, an increase of 13 over the previous year, and of this number 7,242 were the subject of a reception order, whilst 310 were voluntary boarders.

There was a decrease of 22 in the number of patients and boarders admitted for the first time, the relative figures being 1,123 for this year and 1,145 for last year, and 304 former inmates returned to the hospitals.

We were able to discharge 875 patients and boarders, or 61·32 per cent. calculated upon the admissions, but not more than 502, or 35·18 per cent., could be regarded as recovered. Having regard to the large number of those admitted whose mental disorder is due to congenital causes, to the degenerative changes of old age, and to incurable organic disease of the nervous system, the percentage of discharges must be regarded as satisfactory.

ACCOMMODATION.

The position in regard to accommodation and the distribution of patients is shown in the following table compiled in March, 1938 :—

Hospital.	Accommo- dation.	Number of Patients and Boarders on Registers.	Number on Probation.	Number actually Resident.	Deficiency.	Surplus.
Auckland ..	1,205	1,408	125	1,283	78	..
Kingseat ..	620	591	5	586	..	34
Tokanui ..	633	676	25	651	18	..
Porirua ..	1,284	1,620	101	1,519	235	..
Nelson ..	820	842	42	800	..	20
Hokitika ..	471	460	7	453	..	18
Christchurch ..	1,188	1,453	134	1,319	131	..
Seacliff ..	956	1,161	26	1,135	179	..
Totals ..	7,177	8,211	465	7,746	641	72

The net deficiency of accommodation is 569, as compared with 514 last year, but the difference is accounted for by the necessity which occurred during the year to evacuate part of the female side at Seacliff, with accommodation for 65 women, as the buildings had become unsafe, due to the unstable ground.

In discussing the matter of accommodation it is necessary to bear in mind that this does not consist merely of the quarters which the patients occupy in the daytime and those in which they sleep and dine. Simultaneously with or preferably ahead of the erection of these quarters, provision has to be made for the proportionate Nurses' Homes, stores and other administrative needs, laundries, medical staff, &c., and during the past year we have carried out a large programme with a view to entirely wiping out the deficiency of accommodation at an early date.

ADDITIONS, ALTERATIONS, AND IMPROVEMENTS.

Capital expenditure incurred upon new buildings, additions, and improvements during the year amounted to £102,457 13s. 7d., and the following summary shows the major items making up the total :—

Auckland (£5,657).

Considerable additions were made to the Nurses' Home to provide for the increased staff necessitated by the shortened hours.

Cold-storage accommodation, which is very necessary in this climate, was installed.

The laundry equipment was brought up to date.

Kingseat (£52,144).

The butchery, bakery, boiler-house, and laundry were completed, and the equipment will be installed very soon.

The central hospital block is nearing completion, after which Kingseat will be able to take direct admissions.

Four new villas have been erected and occupied, and another one is about to be commenced.

The Medical Superintendent's residence and that of the Engineer are well under way, and the preliminary drawings for the Nurses' Home and workshops are being done.

Tokanui (£2,855).

A considerable amount of minor alterations to sanitary annexes was involved in the change over of the male side to the female, and *vice versa*, but the change has been of great advantage. The addition of a large veranda to a ward on the female side has provided a good admission block.

A cottage has been provided for an Assistant Medical Officer.

A new mortuary has been erected.

Porirua (£20,501).

There are many problems to solve at Porirua, and these are mainly dependent upon each other. A considerable step was achieved towards their solution by the completion of the new store, and a further stage will be reached when the boiler-house and workshops block, now being erected, are completed.

Nelson and Ngawhatu (£2,234.)

The roads leading to the villas at Yorks Valley and the main road have all been tar-sealed.

Considerable improvements have been made to the water-supply available for fire-fighting purposes.

A commencement has been made with the new Nurses' Home at Ngawhatu, and drawings are in hand for three new villas.

Hokitika (£2,096).

Major alterations have been made at Aorangi Villa, and repairs carried out in connection with the damage from a fire at Kiwi Ward.

New piggeries have been erected.

Christchurch (£6,061).

Extensive additions have been carried out in connection with the fire-alarm system.

Additional conveniences have been installed in the sanitary annexes.

The main drives have been tar-sealed, and new poultry-house provided.

Templeton Farm Colony (£10,335).

The new laundry and boiler-house have been erected, and will be equipped as soon as the machinery comes to hand.

Seacliff (£570).

Milking-machines were installed at the byres.

A kitchenette was erected at D Ward.

The old chimney-stack and several portions of old buildings were demolished.

PROGRAMME FOR CURRENT YEAR.

Auckland.—Our experience of decentralized cooking at the villa mental hospitals has been so favourable that we have decided to follow so far as possible the same principle at the older institutions. To this end we are constructing kitchens in female wards 7 and 2 and in male 3 ward. Female ward 7, with very little additional alteration, will form a very excellent admission ward.

Kingseat.—The erection of the Nurses' Home will be commenced during the year, and its completion will help to free a number of rooms in the villas for occupation by patients.

The hospital admission villa is nearing completion.

Plans are being prepared for another villa.

It is intended as soon as possible to erect two single-storied villas for aged and infirm patients.

Porirua.—The new store is in occupation, and the boiler-house - workshop block is approaching completion. The next stage in the large programme at Porirua will be the rebuilding of the front block at the institution to provide adequate visiting-rooms, administrative offices, and possibly staff dining-rooms.

Bound up in these alterations is the matter of enlarging the entertainment-hall and improving the facilities for the cooking and serving of meals. In this connection plans are well forward for the erection of several small kitchens to serve separate groups of wards, thus following so far as may be possible the system which we have found so advantageous in the villa hospitals. All these changes take time, and one part of the programme has to await until another has been completed, but each year sees marked progress.

Nelson.—The new Nurses' Home has been started, and should be in occupation early in 1939.

Hokitika.—It is hoped to erect two new villas during the year.

Christchurch.—The results of the occupational classes have been most encouraging, and a separate block for this work will be erected at an early date.

Seacliff.—It is proposed to make several improvements to the buildings, both at Seacliff and Waitati.

PROPOSED NEW MENTAL HOSPITAL.

Towards the close of the year a property was acquired in the Marton area for the purpose of establishing a new mental hospital which will serve the needs of the northern part of the Wellington Province and Taranaki and so relieve the pressure upon the accommodation at Porirua.

The estate is approximately 541 acres in extent, is well watered, has a good northern aspect, and is generally well adapted to the erection of a new institution on the villa system.

It is situated about midway between Bulls and Marton, and is sufficiently secluded, but has a good access to the main north road to Taranaki.

In the meantime the contours are being prepared and other necessary preliminary work is being carried out.

INSULIN TREATMENT.

Considerable interest has been aroused during the year by well-accredited reports upon the treatment of schizophrenia by repeated doses of insulin.

As schizophrenia is the form of mental disorder which accounts for about 16 per cent. of our admissions and is the psychosis from which at least 60 per cent. of our chronic mental patients were suffering upon admission, any well-authenticated reports as to treatment and cure demand serious investigation. Unfortunately, some of the accounts of the treatment which have appeared in the lay press have not come from authoritative or well-informed sources, and have given rise to hopes which cannot be realized, and must cause disappointment.

Briefly stated, the treatment consists of the injection of insulin in increasing doses until the patient goes into a state of deep coma. The "shock dose," once ascertained, is given almost daily for about two months. The treatment is not without its dangers, and the patient requires constant and immediate medical and nursing supervision.

It is evident that a considerable amount of improvement occurs in many cases during the course of treatment, but it would be altogether premature at this stage to regard the results as being permanent or to refer to them as "cures."

It is in the early cases that the treatment appears to produce results, but it is also in those early cases that remission of symptoms not infrequently occurs, even without insulin treatment.

The real test of the treatment is the permanency of the result, and that cannot yet be determined.

OCCUPATIONAL THERAPY.

During the year a considerable extension has been achieved in the organization of occupational classes, and I hope the day is not far distant when every patient will have some form of occupation, however elementary its nature. Many wards in institutions overseas have lost their title to the term "refractory" through the introduction of the patients to the pleasure of doing arts and handicrafts, and the effect is very striking. On the other hand, our farms and gardens are much more extensive than those attached to British hospitals, and our patients engage in larger numbers in outside work, but there are still many patients whose mental or physical state renders such occupations impossible or undesirable, and for these the classes provide a valuable outlet for their energies.

Occupational therapy is being already carried out in the following hospitals to the extent indicated:—

Auckland.—Mrs. Ohms and Mrs. Morrison hold classes for poker-work and brass beating once weekly during the winter. Mrs. Wigg teaches weaving and spinning weekly during the winter. Miss Johnson conducts classes for fancy dancing. I was present at an exhibition held at the hospital of the products of these classes, and was very pleased with the really high standard achieved.

Kingseat.—Mrs. Waugh has held classes in arts and handicraft, and many useful articles have been made.

Porirua.—We have a paid instructor on the male side, who teaches basket and cane work, and a lady instructress for weaving.

Hokitika.—One of the charge nurses has undertaken the work here, which is mainly fancy-work, rugs, baskets, and trays. Arrangements are in hand to train other nurses.

Christchurch.—Miss Bowron has made an excellent start with a wide variety of handicrafts, and I have had some most encouraging reports upon individual cases benefited. It is intended to erect a special block at Sunnyside for occupational work. Several nurses are being trained so as to carry the work into the wards to certain patients who cannot in the meantime attend the classes.

Templeton.—We have a full-time instructor, who teaches the boys upholstery and carpentry and the making of canvas covers for stock.

Seacliff.—Miss Miller conducts classes twice a week, and the work includes macrame-twine work, cane-work, suede-work, and pewter-work. It is proposed to include weaving in the near future, and I hope at no distant date that we may provide special accommodation for this work.

Several of the ladies mentioned are giving their services free of all cost to the Department, and I desire to record my sincere appreciation of the valuable help they are giving to the patients and to the Department.

HONOURS.

Amongst the Coronation honours, two of our matrons, Miss Miriam Mayze, of Auckland, and Miss McLaren, of Seacliff, were decorated with the M.B.E., and this recognition of the Department and of two officers who have given long and faithful service gave considerable pleasure and satisfaction to us all.

PROMOTIONS.

Dr. Malcolm Brown was appointed Medical Superintendent at Seacliff, to succeed the late Dr. Hayes. Dr. Brown has served the Department well for ten years, and his promotion has been well earned.

Drs. Hay, Macky, Lewis, and Bellringer have all been promoted to the newly created positions of Deputy Medical Superintendents.

THE LATE DR. H. D. HAYES.

It is with the deepest regret that I have to record the death, on 31st October, 1937, of Dr. Henry Douglas Hayes, Medical Superintendent of Seacliff Mental Hospital.

Dr. Hayes joined our Department in 1928, bringing with him from his former colleagues in the London County and Maudsley Hospitals a very high reputation for his personal and professional qualifications, and during his ten years of service with us he enhanced that reputation with all his colleagues, who came to regard him with respect and affection.

Hayes was the soul of honour—a man whose work was inspired by an unswerving loyalty to the highest and worthiest ideals of his profession.

His untimely death was a great loss to the Department and a source of sincere sorrow to those of us who were privileged to enjoy his friendship.

APPRECIATION.

In conclusion, it is a pleasure to acknowledge the loyalty and support which I can always count upon receiving from my colleagues, Dr. John Russell and all the Medical Superintendents.

I have an excellent staff at Head Office, and to Mr. Sinclair, Chief Clerk, and all the other officers I give my thanks for good work well done throughout the year.

AUCKLAND MENTAL HOSPITAL.

DR. BUCHANAN reports:—

I have the honour to present my annual report for the year ended 31st December, 1937.

The total number of cases under care during the year was 1,582, with a weekly average of 1,179. The admissions numbered 302 (138 males, 164 females). Of this number, 245 were admitted for the first time. Under section 8 of the Mental Defectives Amendment Act, 200 patients were admitted.

Seventy-seven voluntary boarders were admitted during the year, making a total of 186 under care, and, of these, 92 were discharged.

At the end of the year 173 patients were on probation, 135 on full parole, and 196 on limited parole. Deaths totalled 100 (54 males, 46 females).

In general the health of the patients has been good throughout the past year. Fortunately, there has not been a recrudescence of a dysentery epidemic as in last year, though sporadic cases still arise.

Routine maintenance has been kept up well, and several new works have been carried out, the most important of which are—

- (1) Completion of new cool store in the main kitchen.
- (2) Additions to the Nurses' Home to provide quarters for the increase in staff necessitated by the new hours of working. These include substantial extensions to the existing day- and dining-rooms, the building of a room for the charge nurses, improvements to the kitchen, and accommodation for the Sister in charge of the Home.
- (3) Glassing-in of the veranda attached to Ward F. 6. This provides a sun-porch and weather protection for the old ladies who dwell there.
- (4) Erection of a new poultry-house.
- (5) Building a new dutch barn in place of the one which was destroyed by fire.

We, like all other hospitals, have suffered from under-staffing of the female personnel. It is difficult to get to the root of this trouble and to remedy the situation. The result has been that overtime has, of necessity, been worked by many members of the staff. It is a matter of congratulation that we have a loyal team who have gamely accepted the extra responsibility entailed and faced the unfortunate position in an uncomplaining manner.

We are gradually extending the scheme whereby as many wards as possible will be provided with their own kitchens. So far this system is a great success, in that better and more varied menus are provided for the patients concerned.

The social interests of the patients have been well and generously catered for by outside organizations. The Mental Hospital Branch of the Auckland Hospital Auxiliary has been of the greatest assistance. It provides a monthly sum of money for the Recreation Fund, and also donated a substantial bonus for the purchase of Christmas extras.

Station 1ZB supplied fifteen loud-speakers and 150 sets of head-phones, which were installed throughout the main building.

The Returned Soldiers' Association installed sets in the other wards, and also gave us, on perpetual loan, the use of a public-address outfit. This latter has proved a great boon, especially at entertainments in the main hall.

Weaving and wood-working classes have been held during the year by Mesdames Wigg and Ohms. These arts have stimulated great interest among the patients, and remarkably fine results have been obtained. Many of the finished articles were sold at a fair which Matron, with the help of many willing friends, conducted towards the end of the year. In spite of inclement weather, this bazaar was well attended, and resulted in the sum of £72 being added to the patients' Recreation Fund.

Mr. Neville Carlsen has continued to provide periodic concert parties during the year.

To all those persons and organizations mentioned, and to many others not mentioned, I feel I owe a very deep debt of gratitude for the help given.

The annual picnic established itself, among the patients, with the usual reputation of being "the best held yet."

Dr. Macky and myself have paid monthly visits to the Inebriates Homes on Rotoroa and Pakatoa Islands in company with Mr. F. K. Hunt, S.M.

I append figures relative to the psychiatric clinics held by Dr. Hunter and myself at the Auckland Public Hospital. The figures actually are an understatement, due to the fact that my clinical notes covering a certain period were stolen and destroyed when my car was stolen:—

				Tuesdays.	Thursdays (Dr. Hunter).	Total.
(1) Number of separate persons seen ..				M. 290	58	348
				F. 25	20	45
				-----	-----	-----
				315	78	393
(2) Number of—						
(a) First visits				275	78	353
(b) Subsequent consultations				487	302	789
				-----	-----	-----
				762	380	1,142
(3) Sources of reference—				Tuesdays.	Thursdays.	
Pensions Department				254	55	309
Medical practitioners				27	19	46
Voluntary calls				13	3	16
Prisons Department				14	1	15
Nelson Mental Hospital				1	..	1
Seacliff Mental Hospital				1	..	1
Police Department				2	..	2
Minister of Crown				1	..	1
Salvation Army				1	..	1
Public Trustee				1	..	1
				-----	-----	-----
				315	78	393

During the year our Matron, Miss Mayze, received from His Majesty the decoration of M.B.E. This recognition of long and meritorious service was extremely popular with staff and patients, and I desire to put on record my own congratulations and my appreciation of the honour conferred upon a most worthy officer.

In concluding, I must express my gratitude to the medical officers, matron, head attendant, clerk, and all other members of the staff for the help and encouragement given me during the year.

KINGSEAT MENTAL HOSPITAL.

DR. HUNTER reports:—

I have the honour to submit my annual report for the year ended 31st December, 1937.

The total number of patients under care during the year was 605 (310 males and 295 females), with a weekly average of 576. Patients admitted by transfer were 22 (13 males and 9 females). Transfers to other hospitals numbered 5 (2 males and 3 females). There were 5 patients (3 males and 2 females) discharged, and there were 11 deaths (8 males and 3 females).

Voluntary boarders numbered 6 (3 males and 3 females) throughout the year, there being no admissions, discharges, or deaths.

The general health of the patients and staff has been excellent, there being little serious sickness. The patients' deaths occurred among mostly the elderly patients.

During December, 1936, the erection of the new laundry, Engineer's block, fuel-store, butchery, and bakery was commenced, and has now been completed. The installation of the necessary machinery is in progress, but the non-arrival of the boilers and other equipment will prevent until late in 1938 the full benefit being obtained from this modern and up-to-date equipment. The new laundry will be greatly appreciated as the amount of laundry-work required with the growing hospital has outgrown the capacity of the old one.

Early in September, 1937, the erection of the admission and hospital block was commenced, and good progress has been made up to the end of the year. This villa is situated on a slight rise overlooking the recreation-ground, with a sunny and bright outlook. The completion and equipment of this building will allow of the hospital functioning as a complete unit, enabling the direct admission of patients. The amenities of the new unit, coupled with the advantages of the modern villa system with its homelike atmosphere, and the freedom from irksome restraint should do much towards the successful treatment of our nervous and mental sick.

The opening of the new unit and the increasing number of patients, will necessitate the appointment of an Assistant Medical Officer.

The villa system type of mental hospital has been commented upon favourably from overseas. The Victorian Government, Australia, which is remodelling its mental-hospitals system, sent two representatives, the Hon. Mr. Bailey, Minister in Charge of Mental Hospitals of Victoria, and Dr. Catarinich, Director of Mental Hospitals for Victoria, to inspect and investigate the villa system as carried out at Kingseat, and they were impressed with the possibilities, remarking on the absence of the so-called "mental hospitals" atmosphere.

The Hon. P. Fraser, Minister in Charge of Mental Hospitals, visited the hospital in July, and the two Public Service Commissioners visited in June with regard to staffing problems.

A contract has been let for the erection of a residence for the Engineer, and it is anticipated that this work will be commenced early in the New Year.

A temporary internal telephone system was installed early in the year, but, with the completion of the new unit and the building of further new villas, an automatic system is required. The authority for this has been granted, but the necessary equipment has not come to hand as yet.

The canteen and library, which has been reorganized and centralized, is proving a popular and much appreciated amenity by both patients and staff.

During the year clubs for tennis, cricket, rugby football, and basketball have been established, and all members of the hospital are eligible to play in these teams. Numerous enjoyable and friendly games have been played with visiting teams. All sports fixtures are arranged by invitation, thus fostering the spirit of the game rather than the result. The bowling-green, which is in the course of construction, will provide another avenue of recreation for all.

One of our most urgent needs is a recreation hall with cinema facilities, as the weekly dances require three rooms of a villa, causing much inconvenience and congestion, at the same time limiting the number who can attend.

The erection of the Nurses' Home will give extra attendant-staff accommodation, by releasing the staff quarters in the male villas; but extra accommodation will be required for artisans engaged at the engine-room, &c.

With the growth of the hospital and the increasing amount of maintenance-work required, the erection of workshops and the appointment of the necessary artisan staff is becoming increasingly urgent.

During the year, painting of the downstairs rooms in Villas 1, 2, 3, and 4 has been completed, also the painting of farm buildings and the metal fire-escapes has been carried out.

A weekly handicraft class conducted by Mrs. Waugh, under the auspices of the Auckland Women's Auxiliary, Mental Hospitals Branch, has been instituted, and affords a welcome change from hospital routine.

The appointment of an extra matron and head attendant, both Class "C," and a tutor sister should do much to help and encourage our nursing staff, at the same time making the work more instructive and interesting.

The patients on the whole are happy and contented, and appreciative of the extra privileges, to which they are reacting satisfactorily. They are fully occupied with constructive work on the farm, in the grounds, gardening, laundry, and sewing, and their amusements have not been neglected.

A weekly clinic is conducted at the Auckland Public Hospital, where 78 new cases were treated, while there were 386 attendances. The new cases were referred by—Pensions, 55; hospital, 3; Prisons, 1; and medical practitioners, 19.

I am most grateful to those who have helped to provide entertainment, and for the gifts of reading-material; to the several local branches of the Returned Soldiers' Association for looking after the ex-soldier patients; the Pukekohe Returned Soldiers and their assistants for concerts and entertainments; the Women's Division of the Farmers' Union and the women's institutes for their interest in the activities of the hospital; the Auckland Women's Auxiliary for regular donations for the benefit of the patients; and the members of the clergy who have conducted church services throughout the year.

Finally, I wish to thank Mr. Tibble and his staff, matron, head attendant, and all members of the staff for their very helpful and encouraging services for the benefit of the patients and in forwarding the interests of the hospital.

TOKANUI MENTAL HOSPITAL.

Dr. TOTBILL reports :

I have the honour to present my annual report for the year ending 31st December, 1937.

The total number of patients under care during the year was 768 (378 males and 390 females), with a weekly average of 585.

Admissions numbered 173, of whom 76 were transferred from other institutions and 16 were voluntary boarders.

The discharges were 63 committed patients, 12 voluntary boarders, and 5 transferred.

There were 37 deaths, senile decay accounting for more than 25 per cent.

At the end of the year 680 patients, including 36 on probation and 17 voluntary boarders, remained on the register. Several examinations and reports have been made on inmates at Waikeria at the request of the Justice Department.

Considerable work has been carried out in renovating the wards of the older part of the hospital. F. 7 Ward has been completely repainted and various improvements made. Bright colour schemes have been introduced to produce a more homely atmosphere. Wards F. 1 and F. 3 are at present in the process of being overhauled.

The change over of sides was effected smoothly and expeditiously. It has resulted in more efficient classification and easier administration.

Alterations to the new store and telephone cables were completed. The kitchen chimney was rebuilt, a Public Works overseer's store and office constructed, and the bathroom in F. 3 modernized.

Following the annual survey, staff houses on the estate were repaired and renovated. Staff mess-rooms are at present receiving attention. A housing scheme which will meet the requirements of our married staff is still under consideration. The new mortuary is now nearing completion.

At the camp, stables and a grain and manure-shed was erected. Various farm buildings have been repainted, and improvements and repairs made in the blacksmith's shop. Draining, fencing, and breaking in new land has been carried out. Sanction has been obtained to build a veranda on to the female admission ward and to convert F. 2 Ward into an independent unit with all domestic facilities. It is hoped during the New Year to have independent cooking and bathing in all the older female wards, conditions which will approximate to those in modern villas.

An Assistant Medical Officer's house will be erected in the near future.

The institution has outgrown its domestic facilities, and it has been proposed that a new block comprising a laundry, engine-room, bakery, and butcher's shop be constructed.

Our present means for treating new patients is not satisfactory owing to the admission wards being in immediate proximity to the chronic wards. It is undesirable that recent admissions should be in contact with chronics, and serious consideration will have to be given to the erection of a modern admission block away from the main hospital and independently situated in its own grounds.

Lawns have been laid down round the new male villas, and a nursery garden is now able to supply all wards with cut flowers. The park-like feature of the grounds is being extended, and the policy of maximum parole with safety has reacted to the benefit of the patients.

During the year Dr. Corban was transferred to Hokitika, his place being taken by Dr. Couston, from Sunnyside, for whose help I am grateful.

In July the Hon. P. Fraser, Minister in Charge of Mental Hospitals, visited various parts of the institution. Mr. Broadfoot was present at our annual Fancy Dress Ball, and I was pleased to welcome Mr. McCombs and Mr. Hultquist when they called at the hospital.

The usual recreations and entertainments have been held, and in the near future a broadcaster for dance music will be installed. A rugby team was formed, the games providing enjoyment for both staff and patients. Monthly staff dances were organized throughout the winter. Performances by the Te Awamutu Band and a gymnastic display by the Y.M.C.A. of Hamilton were greatly appreciated. Our Official Visitor, Mr. Findlay, has been untiring in his efforts to provide extra comforts and entertainments. His sincere and deep interest in the hospital has been a great help to me. The generous gifts of the R.S.A. of Otorohanga and Auckland brought much happiness to the returned-soldier patients at Christmas. The various devotional services have been conducted throughout the year.

Mr. Brookes, the Public Works Department overseer, has been always ready to give his valuable assistance in proposed works, and I am indebted to the Clerk, Matrons, Head Attendants, and Staff generally for their support and helpful services during the year.

PORIRUA MENTAL HOSPITAL.

Dr. HART reports :—

I have the honour to submit my report for the year ending the 31st December, 1937.

The total number of cases under care in this hospital during the year was 2,044, of whom 1,817 were committed patients, 219 were voluntary boarders, and the balance were cases remanded for observation.

Admissions numbered 431, under certification 326, as voluntary boarders 97, and on remand 8. During the year 239 persons (152 committed patients and 87 voluntary boarders) were discharged, whilst a further number were sufficiently recovered mentally to be able to leave hospital and go on probation to the care of relatives or friends.

Deaths numbered 142, and 66 patients were transferred to other hospitals.

In comparison with the figures of the previous year, increases will be noted in the figures for admissions, discharges, and deaths.

I think it is worthy of note that over 22 per cent. of all admissions for the year entered hospital as voluntary boarders. The nature of the great majority of mental disorders precludes the possibility of such cases being admitted voluntarily. The great majority of these cases lack volition, lack insight, and are incapable of seeing the necessity for making a written application for such admission. I think that under these circumstances the percentage of admissions who have voluntarily applied for treatment and have been admitted at least indicates that there is a growing section of the public which has an appreciation of the possibilities of the early treatment of nervous and mental disorders and a confidence in the facilities which the Department has available for such cases.

An extension of the principle of psychiatric wards in general hospitals has been carried out by the opening in May last of a small ward in the Wellington Public Hospital for male patients, so that there is now available in the Wellington Public Hospital, under our supervision, male and female psychiatric wards for the observation and, where possible, early treatment of cases exhibiting some mental or nervous symptoms. Statistics show that the organization of these units and the work in these wards has been well worth while. Even those cases whose psychosis or psychoneurosis necessitated eventually their admission to the mental hospital, during their period in the psychiatric ward the complete technical organization of the hospital, such as laboratory tests, X-rays, &c., has been conveniently available for the investigation of the physical aspects, if any, of their mental illnesses. The psychiatric out-patient clinics at the Wellington Public Hospital and the Palmerston North Hospital have continued as formerly.

The numbers of individual cases dealt with during the year are as follows:—

(1) Cases in male and female psychiatric wards, Wellington Public Hospital ..	138
(2) Bi-weekly out-patients clinic, Wellington Public Hospital ..	194
(3) Palmerston North Hospital Clinic	96

Separate persons seen	428
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The most important building completed during the year was the new stores block, which is now in use and allows of efficient storage and issuing of stores. The adjoining boiler-house, engineering, and artisans block is nearing completion and when in occupation should facilitate a more efficient working in these sub-departments, and, in the case of the new boiler-house, overcome certain technical difficulties existing with the present plant. A new bakehouse and butchers' shop, especially the former, are amongst our most urgent needs.

It is hoped during the year to obtain money to make structural alterations to the administration block, in providing visiting-rooms and additional medical and clerical offices. When the present engineering block is evacuated it is hoped to convert same into an attendants' mess and recreation-room and have the ground floor fitted up as an occupation centre for basket-making, weaving, handicrafts, &c. Plans have been drawn up for an extension of the main hall, reequipment of the kitchen in the main building, with some decentralization by the addition of four small kitchens in the main female block.

During the year the artisan staff has been fully occupied in repairing and renovating existing buildings, and a certain amount of this work has been carried out by contract.

The interior of the Nurses' Home has been painted and papered. The dormitories, corridors, day-rooms, &c., of the female wards A, B, C, E, and H, and the male wards I and 8, have been renovated throughout. At present the exterior of the male wards 6, 7, 8, H, cottage, and certain staff residences are being renovated. Additional poultry-houses were erected during the year, and extensive repairs were made to the upper and lower reservoirs. In the five villas, supporting piles were replaced, and improvements made to the ventilation. Flooring was renewed in wards M. 6 and M. 7, whilst alterations were made in the bathroom of the lower building block by the addition of showers, and a considerable portion of the malthoid roofing of the same block was renewed with galvanized iron. Hot-water extensions were made at Rauta and the staff quarters in M. 7.

A staffing innovation made during the year was the appointment of a full-time hairdresser. The facilities made available by this appointment have been much appreciated by a large section of our patients, more especially those in the female admission and convalescent wards.

The therapeutic value of useful employment has been constantly kept in mind during the year, and wherever possible patients have been encouraged to interest themselves in useful work on the farm, in the gardens, artisans' shops, sewing-rooms, and in domestic tasks about the villas and wards. Instruction in cane-work by the occupation officer during the year has been extended, more especially to those cases who, for various reasons, have not participated in other forms of occupation. The recent appointment to the nursing staff of a nurse qualified to teach weaving and simple handicrafts has enabled us to commence with weaving.

On the whole, the health of the patients during the year has been reasonably good, the only unusual feature was that we had, during the year, seven cases of typhoid, one of whom died. These cases were confined to a ward housing the more difficult patients and in a ward where the prospects of "contact infection" were at its greatest. Fortunately, early active measures of isolation and preventative inoculation limited the outbreak to seven cases. Despite the active co-operation of the Health Department and considerable investigation by my Assistant Medical Officers on staff and patients, we were unable to trace the carrier or source of entry of the bacillus to the hospital. The mode of infection was proved to be by direct contact and not due to the general water, milk, or food supply to the hospital. Prior to these cases there is no record of typhoid at Porirua for over fifteen years.

The activities on the farm, in the orchard, and in the vegetable and flower gardens has continued as formerly.

Patients recreation has been well provided for during the year in the way of golf, tennis, bowls, concerts, fortnightly dances, weekly cinemas, and picnics to the beach. By the donation of books and purchases from the Recreation Fund many new volumes have been added to the library. The use made of the lending portion of the library is well shown by the figures for six months, during which 4,860 books were issued. I am indebted to Mr. Hooker for his continued interest in supplying weeklies and magazines for the library reading-room.

I am indebted to many individuals and societies for their donation of goods, reading-matter, and money towards patients recreation, and, although it would be impossible to name all, I desire particularly to thank the Rev. Mr. Harding, the Commercial Travellers' Association, the Smith Family, the Women's National Reserve, Women's Service Guild, New Zealand Returned Soldiers' Association, Women's Institute, and the Women's Division of the Farmers' Union.

I must thank the ministers of religion who have held religious services at the hospital at regular intervals. The District Inspector and Official Visitors have frequently visited the hospital during the year, and I must thank them for their helpful co-operation.

There were numerous changes in the medical staff during the year. Drs. Boyd-Wilson and Campbell left to go abroad, Dr. Bowell to take an appointment at the Auckland Public Hospital, and Dr. Clay to go into practice.

The greatest difficulty and real handicap in the administration of the hospital during the year has been the unavoidable shortage and changing of medical staff.

In conclusion, I must thank members of the staff for their assistance in the work of the year, and more especially the Assistant Medical Officers, who, for the greater part of the year, ungrudgingly carried the extra and unreasonable burden of work occasioned by the shortage of colleagues.

NELSON MENTAL HOSPITAL.

DR. WILLIAMS reports:—

I have the honour to present my annual report for the year ending 31st December, 1937.

The total number of persons under care during the year was 926—24 of these were voluntary boarders. Fifty-six patients (42 males and 14 females) were admitted during the year—22 of these were transfers.

Nineteen patients (11 males and 8 females) were discharged, seven (4 males and 3 females) were transferred elsewhere, and forty (25 males and 15 females) died. Seventeen patients were admitted under section 8 of the 1928 amendment to the Act.

Ten voluntary boarders (7 males and 3 females) were admitted for treatment, eleven (7 males and 4 females) were discharged recovered.

Not much building of a major order has been carried out during the year, but a good deal of maintenance and minor works have been done.

At Ngawhatu the main drive was prepared and tar-sealing completed; this was done also around the laundry and boiler-house.

Preparation for road-sealing in Yorks Valley has also been in train, and a road to the site of the new piggeries is in course of construction. The male villas and Stoke Ward have been considerably refurbished and painted, and the results are very satisfactory. The farm buildings were repaired and painted, and the laying-down of two hard tennis-courts in Yorks Valley was completed. A certain amount of developmental-work has gone on, but activities of this nature have been slowed up because of shortage of adequate working parties and the temporary transference of many of those available to urgent works elsewhere.

At Nelson a pipe-line has been laid and hydrants fixed in order to provide more adequate fire protection.

Fire-breaks have been made in the pine plantation, and the hillside adjacent has been prepared for further tree-planting in the autumn.

Four extra breeding-pens have been constructed in pursuance of an altered policy with regard to pigs. A new lavatory was built in the boys' park, repairs were done about the kitchen, and surface draining completed about Braemar.

For 1938 the tentative programme is somewhat more comprehensive, and it is hoped to begin with the building of the new Nurses' Home very shortly.

The erection of further male villas to absorb the patients from Stoke Ward is also in view, and I am looking forward to this, as not only will the erection of a new stores and administration block, with its attendant advantages, then become feasible, but also will become possible better classification and more satisfactory treatment conditions for male patients.

I am looking forward, also, to the provision of a small hospital and admission block, with operating-theatre and up-to-date therapeutic department attached. I am afraid that, as it is, facilities for the surgical treatment of a population of this size are hardly adequate; and, although in some cases, of course, treatment in public hospital is preferable, there are nevertheless many conditions we deal with ourselves, but in the management of which we should be considerably aided by the extension of nursing facilities. Another aspect of this matter of a separate hospital block is, I think, worth mentioning, and that is the good effect a leavening of such general work has in stimulating the interest of the staff generally. Purely mental-work,

notwithstanding its importance, is frequently tardy in and sometimes devoid of tangible result, and the acquirement of knowledge in other branches of nursing by actual experience is useful not only in itself, but because of the greater interest it often gives to the whole course of mental nursing; and, after all, mental nursing and general nursing are complementary, and that this is your view also is evidenced by the appointment of tutor sisters. This latter is a move that will be appreciated by every one, and it cannot but be a success. We have, for a variety of reasons, and in common with other hospitals, I understand, been greatly hampered for some time now by shortage of suitable staff, but I have found definitely that the introduction into the syllabus of lectures from the subject direct on the physical as well as on the mental side has created genuine interest, and it has resulted, too, in many probationers remaining more eager to go on with their course of training than to accept one of the apparently more tempting positions which are so freely offering nowadays.

The tutor sisters will be of great aid in providing this wider knowledge.

I would like to refer to the necessity that must soon arise for rebuilding at Nelson; expenditure on renovation or repair alone would not be justified. Transfer of the residents to Ngawhatu is neither desirable nor feasible, but it has sometimes been suggested that it would be better to shift this centre for mental defectives nearer to one of the main cities because of difficulty of access to Nelson itself. Points against this, however, if I may mention them, are: We have an excellent site: air services have greatly improved access, and the climate is, I should think, without equal for children and adults alike.

Reverting to the activities for the past year, sufficient discussion has been made, no doubt, to the subject of shorter hours. One aspect that might be mentioned, however, is that the greater opportunity for recreation so offered has resulted in the formation at our hospital of new sports and athletic clubs. In addition to the cricket club, we now have rugby, football, badminton, basketball, and tennis. Much success has been achieved in each, and with a minimum of interference with routine duties, but probably the most gratifying part has been the active and successful participation in these clubs by many of the patients.

A canteen was started in a small way during the early part of the year, available to patients and staff alike: it has been very popular, and at the end of the year a profit of over £37 had resulted, this to go to the patients' Recreation Fund. A library has been run in conjunction with the canteen.

The swimming-bath has been generally popular and well patronized, and regular fortnightly dances lately instituted have also been successful. Nevertheless, we are, possibly because of our situation, still perhaps not quite so well provided with entertainment as some of the metropolitan hospitals, though this disparity will be lessened greatly when the erection of a talking-machine at Ngawhatu becomes possible.

Many individuals, business firms, and societies in Nelson have been very good to us in the matter of donations of cash and goods, and their kindness and continued support have been much appreciated; my thanks are due also to Miss Cooksey and her party in providing outings for the children; to Mrs Scantlebury and to the visiting ministers of religion, particularly the Reverend Hay and Father Cullen.

To the staff generally, for their loyal assistance and co-operation, I wish also to express my sincere thanks.

HOKITIKA MENTAL HOSPITAL.

Dr. CHILDS reports:—

I have the honour to submit my report for the year ending 1937.

At the commencement of the year the patients on the register numbered 458. The admissions proper were 19, while 6 male and 23 female patients were received on transfer.

The discharges numbered 15, transfers to other institutions 17, and deaths 12.

The total number under treatment was 506, and the number remaining on the register at the end of the year 462.

There were two voluntary boarders on the register at the beginning of the year, 5 were admitted, and 4 discharged.

The general health of the patients has been very satisfactory, most of the deaths occurring among the older patients.

A fire occurred in "Kiwi" male admission ward on the night of 20th July, 1937, and half the ward was extensively damaged. The patients were all removed safely and accommodated in other wards. The staff did excellent work during and after the fire, and I would also like to thank the Hokitika Fire Brigade for their prompt and timely assistance. The renovating and repairing of the damaged portion is now almost completed, and the ward will soon be fully occupied.

A modern residence for the Chief Clerk has now been completed.

The remodelling of "Sefton" and "Aorangi" wards was completed on 17th May, 1937, and the improvement effected is considerable. They are now used as open wards for elderly patients.

A new tennis-court has been completed, necessary repairs effected to "Moana" and "Taupo" wards, and the inside of "Egmont" ward has been painted and papered.

A modern piggery is in the course of erection.

The usual routine of farming and gardening operations has been carried out: 5 acres of swamp land have been cleared, drained, and left fallow, while 9 acres left fallow last year have been sown in grass.

The painting gang has been continuously employed during the year, and the usual maintenance-work carried on.

The Hokitika Band, as usual, has visited the hospital on many occasions, and supplied music for the dances.

A monthly clinic has been held at Greymouth, and visits made to the Westland Hospital when requested.

Recreation and games have played an important part, more so than in former years. Thanks are due to those who have provided entertainment during the year and to those who made gifts to the hospital during the Christmas season.

The clergy have made frequent visits, and are taking an increasing interest in the institution.

The Official Visitor, who has been on an extended tour of Europe, visited the hospital before leaving and on his return.

I wish to thank the staff for the material assistance they have given during the year.

CHRISTCHURCH MENTAL HOSPITAL.

Dr. McKillop reports :—

I have the honour to forward my report for the year ending 31st December, 1937.

On the 1st January, 1937, there were 1,366 patients (752 males, 614 females) on the register. During the year 240 patients were admitted and 57 were transferred from other institutions; 152 patients were discharged and 38 were transferred to other institutions.

The total number under care during the year was 1,663.

During the year 106 voluntary boarders (59 men, 47 women) received treatment, 48 being resident on the 31st December.

The number of deaths was 79, the principal cause of death being senile decay.

We were fortunate in being able to avail ourselves of treatment by malaria, and many general paralytics, post-encephalitics, and cases of dementia praecox benefited by this treatment.

During 1937 many works of major importance have been carried out: Two new tanks for an efficient water-supply for all purposes have been completed, and the pumping-machinery is at present being installed.

The new bakehouse will be in use in the course of a few days. It is intended to utilize the area occupied by the old bakehouse as extra store accommodation, as this is urgently required.

At Templeton two new villas are in occupation; the laundry has been completed, but the equipment is not yet to hand.

The grounds have been carefully laid out, and visitors have frequently complimented us on the excellent lawns and gardens.

The results of the occupational therapy classes both at Sunnyside and Templeton have been most encouraging, and it is pleasing to note that the provision of new workrooms and equipment for the extension of this has been approved.

The clinic at the Christchurch Hospital has been well attended, with an average of twelve consultations weekly. In January 1937, it was decided to start a monthly clinic at the Timaru Hospital, and many ex-patients and others have come for advice: on my last visit there were twelve consultations, including five new patients.

The farm has had a very successful year, and, in addition to supplying our own wants and supplementing the requirements of other institutions, quite a quantity of cereals was sold at satisfactory prices.

The new poultry-houses are nearly completed—they are of the latest design, and will enable us to carry on this branch of farming under the best possible conditions. The removal of the old houses and runs will greatly improve the amenities of the male villa and north house.

The question of laying down hard tennis-courts for the staff on the site vacated will be discussed with you later.

The entertainment of the patients has been carried out on the usual lines. I have to thank the many concert parties and the companies who provided the picture programmes. These have been a source of great enjoyment to the patients and staff.

Mr. H. D. Acland, K.C., District Inspector, and the Official Visitors, Mrs. Williams and Mr. Hanna, have paid many visits to the institution and are keenly interested in the welfare of the patients.

During the whole year the medical staff has worked short-handed: Dr. Couston was transferred to Tokanui, and I was very sorry to lose the services of such a capable and efficient officer. I have to record my appreciation of the services of Dr. Bellringer, who has had so much extra work placed on him.

I have also to thank Mr. Thomas and the office staff, the Matron, head attendants, and the staff as a whole for the wonderful work they have done during the year.

SEACLIFF MENTAL HOSPITAL.

Dr. BROWN reports :—

I have the honour to submit the annual report for the year ending 31st December, 1937.

At the end of October, Dr. Henry Douglas Hayes, who had been the Medical Superintendent for the past five years, died. Still a young man, his ideals of duty and service were of the highest and he gave unsparingly of himself. The welfare of his hospital was ever his foremost thought. He was much esteemed in the community, and his loss is felt there as well as in Seacliff. All of us who worked with him extend our deepest sympathy to his widow and children.

On the 1st January, 1937, there were 1,184 patients on the register. During the year 153 patients were admitted, 59 were discharged, and 64 were transferred to other institutions. A total number of 1,337 patients were under care during the year.

There were 69 voluntary boarders under care, and 36 of these are still in residence.

There were 81 deaths, the principal causes being senile decay and heart-disease.

At the end of the year there were 1,133 patients and 36 boarders. Towards the end of the year it was found necessary to abandon as dangerous another female wing, F. 3, and, while patients were transferred to Christchurch and Tokanui, this nevertheless accentuated the overcrowding problem. The male side is overcrowded to the number of 109 and the female side to 82. New admission units are an urgent necessity.

Various replacements and improvements have been made to the institution during the year. A new kitchen and scullery in the male hospital have improved the facilities there. An open-air veranda has been added to D Ward for the treatment of pulmonary cases, and a new kitchen with a range and hot-water boilers has improved the food-service there. The kitchen and scullery in F. 5 were modernized, and provision for keeping food warm provided. In F. 4 the bathroom and lavatory were remodelled. The Retreat at Waitati was overhauled, more lavatory and bathroom facilities were provided, and the building was papered and painted. General maintenance of the buildings has been going on, including the renewal and repair of the chimney-tops. Both at Seacliff and Waitati a great deal of external painting has been done. The water-main from Double Hill Reservoir has, due to the slipping ground through which it passes, required a great deal of maintenance.

A new and modern dairy has been built at the farm. The farm-work has progressed satisfactorily. The garden has been well tended, and a plentiful supply of fresh vegetables has been provided at all seasons of the year.

Miss Miller, of the Red Cross Society, who has been teaching handicrafts to the male patients, extended her activities to the female side, with excellent results. She has also been instructing attendants and nurses with a view to later introducing this work to the chronic wards. Various members of the Dunedin Branch of the Women's National Council have visited regularly and taken part in the occupational-work. The various handicrafts have, at present, to be done in the sitting-rooms of the wards, and I think that the time has come when the erection of a small pavilion for use as an occupational centre should be considered.

Your appointment of an officer to supervise the kitchen services has resulted in improved methods of food-distribution and an improvement in the meals in general. The provision of more equipment in the kitchen is a matter in hand, and this should show further beneficial effects.

Various organizations have done much for us in the way of entertainments. The Patients' and Prisoners' Aid Society has shown its continued interest, and Mr. Steven, the society's agent and chaplain, has conducted religious services and promoted many concerts. The society provided the transport which allowed a large party of patients to attend the circus, and the proprietor of the latter gave free admission. I am grateful to the Otago Agricultural and Pastoral Association for allowing a number of patients free admission to their summer show in November. The Dunedin Royal Male Voice Choir and the Justices of the Peace Association provided concerts, as in former years.

Band concerts were given by the Dunedin Highland Pipe Band, the Palmerston Pipe Band, the Kaikorai Band, the Tramways Band, and the Salvation Army Band; and the Dunedin Burns Club and 'Toc H gave concerts at Seacliff and Waitati. I wish to express my thanks to them and to the companies who provide our weekly picture programmes also to the Returned Soldiers' Association for tobacco, &c., supplied to our soldier patients.

I desire to thank various local firms for supplies of novels and periodicals.

The psychiatric clinic at Dunedin Public Hospital is held twice a week, and during the year 173 new cases were seen. The Invercargill Public Hospital was visited monthly either by Dr. Hay or myself, and 26 new cases were seen there. During the year a clinic was inaugurated at the Oamaru Public Hospital, and I visit there once a month.

During the year Mrs. McLaren, the matron, was made a Member of the Order of the British Empire and was invested by His Excellency the Governor-General. It is gratifying that her many years of faithful and efficient service should be so recognized, and I would tender her my congratulations.

I wish to thank the clergy of the various denominations who have conducted services and visited the patients.

I have to thank the matrons, the head attendants, and their respective nursing staffs for their loyal support and efficient work. I have also to thank Mr. Thomas, the Chief Clerk, and the various other heads of departments for their services.

I wish to pay tribute to the loyal support of my medical colleagues. The illness and death of Dr. Hayes, and the necessity of lending a medical officer to the Christchurch Mental Hospital at various times, placed on them much extra work, which was well and ungrudgingly done.

STATISTICAL.

The patients on the register at the end of the year numbered 7,897 (m. 4,352, f. 3,545), or 37 more (m. 5 fewer and f. 42 more) than at the beginning; the daily average under treatment during the year was 7,384 (m. 4,112, f. 3,272), or 96 (m. 19, f. 77) more than in the previous year; while the total under care was 8,984. Patients belonging to the Native race numbered 147 (m. 78, f. 69) at the end of the year.

The admissions numbered 1,124 (m. 557, f. 567), or 15 more than in the previous year. Of these 195 had been previously under care, making the proportion of readmissions 17·35 per cent., and 929 patients were admitted for the first time.

The ratio to population of all admissions (exclusive of Maoris) was 7·25 (m. 7·09, f. 7·42) to 10,000, and of first admissions 6·00 (m. 5·92, f. 6·09), so that 1,378 persons in the general population contributed one patient and 1,664 contributed a patient admitted for the first time.

The discharges (excluding transfers) numbered 590, or 119 more than in 1936. Harmless unrecovered persons numbering 231 (or 30 more) were returned to the care of friends; and 359 (m. 180, f. 179) recovered—89 more than last year—representing a percentage of 31·94 (m. 32·31, f. 31·57) on the total admitted. With voluntary boarders added the percentage rises to 35·18. Altogether, 61·32 per cent. of the inmates admitted were able to leave institutional care.

Of a total of 8,984 patients under care, 497 (m. 261, f. 236) died, or 6·73 per cent. on the average number resident. An inquest is held in the case of every death, whatever the cause. The causes are detailed in Table VI, and the following is the percentage of causes mainly contributing: Senile decay, 21·73; diseases of the brain and nervous system group, 22·13; heart-disease, 18·31; tuberculosis, 6·23.

In Table VII the principal causes assigned for the mental breakdown in the admissions are stated; but, as a matter of fact, they are merely approximations, and these, with the small numbers with which we have to deal, show such divergencies from year to year that the proportion assigned to any one cause in any one year cannot be assumed to be our average incidence. Causation is always complex, and the most potent factor is the individual. Hereunder the assignment causations in the table referred to are grouped and shown in their relative proportions:—

					Males.	Females.	Total.
Heredity .. .. .	..	..	..	..	7·36	9·17	8·27
Congenital .. .. .	..	..	..	..	18·49	11·47	14·95
Predisposed by previous attack .. ..	..	..	..	..	16·70	19·23	17·97
Critical periods .. .. .	..	..	..	..	5·39	13·93	9·70
Child-bearing (puerperal, non-septic, and lactation) ..	..	..	..	..	..	1·77	0·89
Mental stress .. .. .	..	..	..	..	17·41	16·56	17·00
Toxic, including—			M.	F.			
Syphilis .. .. .	..	..	2·87	1·94	10·23	6·00	8·09
Alcohol .. .. .	..	..	6·64	1·41			
Traumatic .. .. .	..	..	..	..	0·18	0·18	0·18
Disorder of nervous system, including—			M.	F.			
Epilepsy .. .. .	..	..	4·31	2·12	5·39	2·82	4·09
Other bodily affections .. .. .	..	..	..	..	7·00	8·29	7·65
Senility .. .. .	..	..	..	..	11·85	10·58	11·21
					100·00	100·00	100·00

VOLUNTARY BOARDERS.

Year.	First Admission.			Not First Admission.			Total Admissions.			Transferred to Register of Patients.			Died.			Discharged.			Remaining on 31st December.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1912	6	17	23	0	0	0	6	17	23	1	3	4	0	0	0	4	3	7	1	11	12
1913	18	19	37	0	2	2	18	21	39	2	5	7	0	1	1	12	12	24	5	14	19
1914	17	19	36	3	2	5	20	21	41	7	5	12	1	1	2	11	15	26	6	14	20
1915	15	17	32	1	2	3	16	19	35	3	4	7	0	1	1	8	14	22	11	14	25
1916	13	23	36	5	8	13	18	31	49	4	4	8	1	2	3	14	14	28	10	15	25
1917	14	21	35	1	13	14	15	34	49	6	6	12	0	1	1	10	23	33	9	19	28
1918	23	38	61	5	11	16	28	49	77	1	4	5	2	2	4	15	30	45	19	32	51
1919	31	39	70	5	19	24	36	58	94	3	3	6	0	2	2	26	42	68	26	43	69
1920	26	38	64	16	12	28	42	50	92	3	4	7	1	2	3	33	33	66	31	54	85
1921	39	39	78	11	15	26	50	54	104	2	3	5	5	1	6	38	41	79	36	63	99
1922	47	38	85	10	16	26	57	54	111	6	5	11	4	4	8	40	48	88	43	60	103
1923	44	50	94	15	21	36	59	71	130	3	6	9	3	3	6	47	47	94	49	75	124
1924	38	44	82	16	20	36	54	64	118	4	8	12	6	3	9	39	48	87	54	80	134
1925	64	59	123	15	34	49	79	93	172	10	15	25	6	3	9	60	63	123	57	92	149
1926	71	60	131	11	29	40	82	89	171	10	11	21	7	2	9	49	71	120	73	97	170
1927	70	70	140	25	32	57	95	102	197	8	6	14	5	12	17	75	58	133	80	123	203
1928	120	94	214	37	39	76	157	133	290	8	10	18	10	8	18	102	97	199	117	141	258
1929	102	63	165	50	43	93	152	106	258	11	3	14	9	9	18	119	110	229	130	125	255
1930	152	84	236	41	35	76	193	119	312	15	9	24	8	6	14	130	79	209	170	150	320
1931	166	98	264	43	36	79	209	134	343	11	14	25	11	7	18	159	102	261	198	161	359
1932	150	85	235	50	40	90	200	125	325	24	32	56	14	5	19	190	108	298	170	141	311
1933	112	109	221	53	32	85	165	141	306	11	14	25	5	4	9	121	107	228	198	157	355
1934	132	90	221	56	33	89	188	123	311	7	11	18	10	6	16	152	99	251	217	164	381
1935	130	87	217	40	55	95	170	142	312	18	20	38	19	10	29	151	116	267	199	160	359
1936	98	99	197	62	44	106	160	143	303	21	20	41	7	10	17	137	111	248	194	162	356
1937	103	91	194	64	45	109	167	136	303	14	7	21	6	10	16	163	122	285	178	159	337

It will be noted that there were 303 voluntary admissions in the year under review, that 285 were discharged, and that 21 boarders, representing 6·93 per cent. of the admissions, had to be transferred to the register of patients (having shown mental disorder in degree sufficiently pronounced and sustained to render it improper for them to be continued as voluntary boarders), while the proportion of deaths on average number of resident was 4·62 per cent. The column devoted to "Not First Admissions" records readmissions on a return of illness in those previously treated to recovery as voluntary boarders. The average daily number of voluntary boarders in 1937 was 346.

MENTAL NURSES.

In December the usual examination was held for the registration of mental nurses, when the following passed :—

Passed top for Dominion : Nurse G. M. Brown (Seacliff).

Auckland : Attendants—A. J. K. Baxter, N. O. Fairlie, D. J. Hill, H. M. Ross, F. E. Watt.
Nurses—A. M. Goodall, M. I. G. Inkpen, J. G. Johnston, N. E. I. Mills, E. M. Randall,
V. K. Sheahan.

Kingsseat : Attendant—H. D. Simpson. Nurses—L. C. R. Roswell, K. M. Johnstone,
N. M. Quigley.

Tokanui : Attendant—G. D. Thompson. Nurses—M. Casey, D. Cran, J. A. Elmsley,*
M. E. Fordham.

Porirua : Attendants—A. C. Lassen, J. P. Duncan, J. J. Clark. Nurses—J. A. Baucke,
M. B. Duncan, M. A. Pohl, E. T. Wholey, E. Willetts.

Nelson : Attendants—J. J. R. Cussen, A. A. McLean, R. L. D. Powrie. Nurses—N. I. Carter,
M. R. Duffy, L. A. Kelly, M. A. Sowman.*

Hokitika : Nurse—J. Ward.

Christchurch : Attendants—G. J. Howell,* G. N. Newton. Nurses—N. Adam, N. I.
Cameron, M. M. E. Clarke, M. M. Davidson, A. P. Gow, M. V. Hallins,* M. M. Nelson,
N. W. Pounsford, M. Roberts, M. F. Sim, I. J. Woods. Institution Officers : Templeton

Farm—G. B. Grose, A. L. M. Anderson, M. K. Dwyer,* A. C. M. Murphy, A. R. Marshall.
Seacliff : Nurses—G. M. Brown,* U. M. Charteris, T. E. Corkin, W. M. Edwards, J. W. R.
Haywood, L. M. King, J. M. E. P. Madell, R. M. Millar, N. M. M. Townsend, M. I. Tully.

* Passed with distinction.

APPENDIX.

TABLE I.—SHOWING THE ADMISSIONS, READMISSIONS, DISCHARGES, AND DEATHS IN MENTAL HOSPITALS DURING THE YEAR 1937.

					M.	F.	T.			
In mental hospitals, 1st January, 1937					M.	F.	T.
Admitted for the first time					464	465	929
Readmitted					93	102	195
Total under care during the year					4,914	4,070	8,984
Discharged and died—							
Recovered					180	179	359
Not recovered					121	110	231
Died					261	236	497
(Not including transfers—Males, 90; females, 155.)					562	525	1,087
Remaining in mental hospitals, 31st December, 1937					4,352	3,545	7,897
Increase over 31st December, 1936					5*	42	37
Average number resident during the year					4,112	3,272	7,384

* Decrease.

TABLE II.—ADMISSIONS, DISCHARGES, AND DEATHS, WITH THE MEAN ANNUAL MORTALITY AND PROPORTION OF RECOVERIES, ETC., PER CENT. ON THE ADMISSIONS, ETC., DURING THE YEAR 1937.

Mental Hospitals.	In Mental Hospitals on 1st January, 1937.			Admissions in 1937.									Total Number of Patients under Care.		
				Admitted for the First Time.			Not First Admissions.			Transfers.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland	721	559	1,280	112	133	245	21	25	46	5	6	11	859	723	1,582
Kingsseat	297	286	583	..	..	..	..	..	..	13	9	22	310	295	605
Tokanui	327	284	611	36	29	65	7	9	16	8	68	76	378	390	768
Porirua	839	652	1,491	125	115	240	33	37	70	10	6	16	1,007	810	1,817
Nelson	482	364	846	19	8	27	3	4	7	20	2	22	524	378	902
Hokitika	221	237	458	8	8	16	1	2	3	6	23	29	236	270	506
Christchurch ..	752	614	1,366	105	96	201	21	17	38	20	38	58	898	765	1,663
Seacliff	704	480	1,184	57	72	129	7	8	15	7	2	9	775	562	1,337
Ashburn Hall (private mental hospital)	14	27	41	2	4	6	..	..	..	1	1	2	17	32	49
Totals	4,357	3,503	7,860	464	465	929	93	102	195	90	155	245	5,004	4,225	9,229

Mental Hospitals.			Patients discharged, transferred, and died.												In Mental Hospitals on 31st December, 1937.			
			Discharged recovered.			Discharged not recovered.			Transferred.			Died.						Total discharged, transferred, and died.
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
Auckland	35	35	70	32	21	53	26	12	38	54	46	100	147	114	261	712	609	1,321
Kingsseat	3	1	4	0	1	1	2	3	5	8	3	11	13	8	21	297	287	584
Tokanui	19	13	32	17	14	31	0	5	5	20	17	37	56	49	105	322	341	663
Porirua	37	72	109	23	20	43	8	58	66	67	65	132	135	215	350	872	595	1,467
Nelson	9	7	16	3	1	4	5	3	8	25	15	40	42	26	68	482	352	834
Hokitika	4	2	6	6	3	9	12	5	17	5	7	12	27	17	44	209	253	462
Christchurch ..	48	40	88	27	37	64	13	25	38	37	42	79	125	144	269	773	621	1,394
Seacliff	25	8	33	13	13	26	22	42	64	44	37	81	104	100	204	671	462	1,133
Ashburn Hall (private mental hospital)	0	1	1	..	..	..	2	2	4	1	3	4	3	7	10	14	25	39
Totals	180	179	359	121	110	231	90	155	245	261	235	496	652	680	1,332	4,352	3,545	7,897

Mental Hospitals.	Average Number resident during the Year.						Percentages of Recoveries on Admissions during the Year.			Percentages of Deaths on Average Number resident during the Year.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Auckland	660	519	1,179	24·06	13·29	18·21	8·18	8·86	8·48
Kingsseat	291	285	576	..	..	..	2·75	1·05	1·91
Tokanui	301	284	585	44·19	34·21	39·50	6·64	5·98	6·32
Porirua	814	560	1,374	23·54	47·37	35·16	8·23	11·61	9·60
Nelson	455	343	798	40·91	58·33	47·06	5·49	4·37	5·01
Hokitika	210	236	446	14·44	20·00	31·58	2·38	2·96	2·69
Christchurch	692	543	1,235	38·09	35·40	36·82	5·34	7·71	6·40
Seacliff	675	475	1,150	39·06	10·00	26·61	6·52	7·79	7·04
Ashburn Hall (private mental hospital)	14	27	41	..	25·00	16·66	7·14	14·81	12·19
Totals	4,112	3,272	7,384	32·32	31·57	31·94	6·35	7·21	6·73

TABLE III.—NATIVE COUNTRIES.

Countries.	Auckland.			Kingsseat.			Tokanui.			Porirua.			Nelson.			Hokitika.			Christchurch.			Seacliff.			Ashburn Hall (Private Mental Hospital).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
England and Wales	115	89	195	53	50	103	43	45	88	136	88	224	47	34	81	26	20	46	60	54	114	60	32	92	3	1	4	543	404	947
Scotland	24	18	42	13	5	18	13	6	19	37	16	53	23	13	36	6	9	15	22	11	33	37	31	68	3	2	5	178	111	289
Ireland	25	19	44	16	19	35	18	15	33	35	17	52	14	5	19	15	12	27	29	17	37	21	14	35	0	1	1	164	119	283
New Zealand	411	403	814	142	163	305	200	223	423	563	423	986	360	275	635	124	163	287	653	516	1,169	509	364	873	7	20	27	2,969	2,550	5,519
Australian States	34	28	62	18	12	30	11	13	24	32	17	49	7	7	14	15	9	24	10	16	26	15	9	24	1	1	2	143	112	255
France	0	1	1	1	0	1	1	0	1	1	0	1	1	1	2	1	0	1	1	0	1	4	0	4	..	..	..	1	1	2
Germany	1	0	1	1	0	1	3	1	4	2	4	6	1	1	2	1	0	1	1	0	1	4	0	4	..	..	..	14	6	20
Austria	8	1	9	6	0	6	4	0	4	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1	..	..	..	20	1	21
Norway	1	0	1	4	0	4	2	0	2	0	1	1	2	0	2	1	0	1	1	0	1	1	0	1	..	..	..	9	1	10
Sweden	..	..	..	1	2	3	0	1	1	1	0	1	2	0	2	1	0	1	1	0	1	2	0	2	..	..	..	8	3	11
Denmark	1	0	1	1	0	1	2	1	3	3	1	4	4	0	4	1	0	1	..	..	..	1	0	1	..	..	..	13	2	15
Italy	2	0	2	0	1	1	1	0	1	2	0	2	0	1	1	3	0	3	..	..	..	1	0	1	..	..	..	8	2	10
China	3	0	3	1	0	1	1	1	0	4	1	5	..	..	..	..	..	..	..	..	..	1	0	1	..	..	..	10	1	11
Maoris	20	25	45	5	6	5	9	19	28	35	18	53	6	3	9	1	1	2	2	3	5	..	..	..	..	..	..	78	60	147
Other countries	43	13	56	12	9	21	14	17	31	22	9	31	5	2	7	4	0	4	4	4	8	6	4	10	..	..	..	110	58	168
Unknown	24	21	45	24	26	50	..	..	..	..	..	..	12	11	23	11	39	50	..	..	..	13	8	21	..	..	..	84	105	189
Totals	712	609	1,321	297	287	584	322	341	663	872	595	1,467	482	352	834	209	253	462	773	621	1,394	671	462	1,133	14	25	39	4,352	3,545	7,897

TABLE IV.—AGES OF PATIENTS ON 31ST DECEMBER, 1937.

Ages.	Auckland.			Kingsseat.			Tokanui.			Porirua.			Nelson.			Hokitika.			Christchurch.			Seacliff.			Ashburn Hall (Private Mental Hospital).			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
From 1 to 5 years	1	0	1	..	..	..	1	1	2	1	13	14	10	4	14	0	1	1	8	6	14	..	..	..	19	11	30
" 5 " 10 "	1	0	1	..	..	..	7	4	11	2	8	10	46	16	31	0	1	1	36	22	58	0	3	3	64	46	110
" 10 " 15 "	22	20	42	3	0	3	8	12	20	26	17	43	51	24	75	0	2	2	83	50	133	1	1	2	149	85	234			
" 15 " 20 "	111	80	191	19	20	39	51	44	95	129	69	198	105	39	144	18	20	38	110	104	214	98	39	137	1	1	2			
" 20 " 30 "	135	99	234	37	41	78	47	63	110	174	105	279	46	53	99	30	26	56	114	81	195	134	55	189	3	0	3			
" 30 " 40 "	143	140	283	69	58	118	43	76	119	168	142	310	44	65	109	31	52	83	100	71	171	125	96	221	1	1	5			
" 40 " 50 "	138	142	280	78	78	156	81	65	146	201	123	324	50	67	117	66	76	142	117	103	220	140	113	253	1	1	12			
" 50 " 60 "	84	73	157	70	55	125	60	50	110	110	63	173	54	54	108	43	49	92	49	65	114	93	85	178	3	3	6			
" 60 " 70 "	40	36	76	24	22	46	17	19	36	47	43	90	35	21	56	17	20	37	28	36	64	47	47	94	4	4	8			
" 70 " 80 "	10	5	15	3	3	6	5	2	7	12	10	22	8	2	10	1	0	1	8	10	18	14	9	23	0	2	2			
" 80 " 90 "	2	0	2	1	0	1	..	..	..	0	2	2	..	..	..	..	..	..	1	0	1	0	1	3	6	3	9
Upwards of 90 "	15	10	25	2	10	12	2	5	7	2	0	2	8	1	9	3	4	7	..	..	..	0	3	3	32	33	65
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Totals	712	609	1,321	297	287	584	322	341	663	872	595	1,467	482	352	834	209	253	462	773	621	1,394	671	462	1,133	14	25	39	4,352	3,545	7,897

TABLE V.—LENGTH OF RESIDENCE OF PATIENTS DISCHARGED “RECOVERED” DURING 1937.

Length of Residence.	Auckland.			Kingseat.			Tokanui.			Porirua.			Nelson.			Hokitika.			Christchurch.			Seacliff.			Ashburn Hall. (Private Mental Hospital.)			Total.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Under 1 month	5	2	7							2	1	3																		
From 1 to 3 months	4	3	7			7				0	6	6																		
" 3 " 6 "	2	1	3			1				7	5	12																		
" 6 " 9 "	0	3	3			1				1	1	1																		
" 9 " 12 "	4	5	9			1				1	1	2																		
" 1 " 2 years	11	11	22			3				11	12	23																		
" 2 " 3 "	4	5	9			6				4	20	24																		
" 3 " 5 "	2	3	5			3				3	10	13																		
" 5 " 7 "	2	2	4			5				1	3	4																		
" 7 " 10 "	1	0	1			1					1	2	3																	
" 10 " 12 "																														
" 12 " 15 "																														
Over 15 years																														
Totals ..	35	35	70	3	1	4	19	13	32	37	72	109	9	7	16	4	2	6	48	40	88	25	8	33	0	1	1	180	179	359

TABLE VI.—CAUSES OF DEATH, 1937.

Causes.	Auckland.		Kingscote.		Tokanui.		Porirua.		Nelson.		Hokitika.		Christchurch.		Seacliff.		Ashburn Hall (Private Mental Hospital).		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
I.—GENERAL DISEASES.																				
Tuberculosis—																				
General .. .. .	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0	..	..	2	0
Of kidneys .. ..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0
Of lungs .. .. .	..	2	5	..	0	2	2	3	1	0	..	..	1	5	2	4	..	..	8	19
Of intestines .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	1	0
Cancer	1	1	1	0	1	2	3	1	1	0	2	1	2	1	..	..	0	1	11	7
Toxæmia .. .. .	..	..	..	..	..	..	1	3	..	..	0	1	..	..	..	..	..	..	1	4
Typhoid .. .. .	..	..	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	0	1
Pernicious anemia ..	..	..	1	0	..	..	0	1	..	..	..	..	..	..	..	..	..	..	1	1
Asthænia	0	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	1	3
Congenital syphilis ..	..	..	..	..	1	0	1	0	..	..	..	0	1	..	..	..	..	..	2	1
II.—DISEASES OF THE NERVOUS SYSTEM.																				
Mania, exhaustion from ..	1	0	..	..	..	..	..	..	..	..	..	0	2	1	0	..	..	..	2	2
Melancholia	0	3	..	..	0	1	..	..	2	0	..	1	0	0	1	..	..	..	3	5
General paralysis of insane ..	4	0	..	..	..	..	6	2	..	..	..	5	2	2	1	..	..	..	17	5
Encephalitis	0	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	1	2
Epilepsy	0	1	..	..	2	0	3	3	5	2	..	3	1	8	2	..	..	..	21	9
Cerebral hæmorrhage ..	4	2	0	1	2	0	4	2	0	1	..	1	2	1	4	0	1	12	13	
Cerebral thrombosis ..	6	1	..	..	1	0	5	1	..	..	..	..	..	..	..	..	..	12	2	
Cerebral syphilis	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	
Hydrocephalus (internal) ..	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	
Tubercular meningitis ..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	..	1	0	
III.—DISEASES OF THE RESPIRATORY SYSTEM.																				
Pneumonia	7	9	..	..	0	1	5	10	3	0	0	1	5	5	5	1	..	..	25	27
Influenzal broncho-pneumonia ..	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Bronchitis	0	1	..	..	0	1	1	1	..	..	0	1	..	1	1	..	..	..	2	5
Chronic pulmonary fibrosis ..	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	..	0	1
IV.—DISEASES OF THE CIRCULATORY SYSTEM.																				
Heart-disease	13	13	4	2	2	3	3	10	6	4	2	2	4	4	10	8	0	1	44	47
Arterio-sclerosis	5	0	1	0	1	0	2	0	..	..	..	..	2	2	1	4	0	1	12	7
V.—DISEASES OF THE DIGESTIVE SYSTEM.																				
Acute intestinal obstruction ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	1	0
Bacillary dysentery	2	2	..	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2
Cholecystitis .. .. .	..	..	..	..	..	..	..	..	..	..	0	1	..	..	..	..	..	..	0	1
Perforated duodenal ulcer ..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0	..	..	..	1	0
Acute phlegmonous stomatitis ..	..	..	..	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Ulcerative colitis .. ..	..	..	..	..	..	0	1	..	..	..	..	..	..	..	..	..	..	..	0	1
VI.—DISEASES OF THE GENITO-URINARY SYSTEM.																				
Nephritis .. .. .	..	..	..	..	..	0	1	2	0	1	0	1	0	..	..	..	..	..	4	1
Uremia	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1
Pyonephrosis	0	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	0	1
VII.—OLD AGE.																				
Senile decay	1	0	1	0	6	4	23	21	3	6	..	8	15	9	10	1	0	52	56	
VIII.—EXTERNAL CAUSES.																				
Suicide	0	1	..	..	..	2	1	..	..	..	..	..	..	0	1	..	..	..	2	3
IX.—DIED WHILE ON TRIAL.																				
.. .. .	6	2	..	2	1	6	3	..	..	..	..	1	1	..	..	..	..	15	7	
Totals	54	46	8	3	20	17	67	65	25	15	5	7	37	42	44	37	1	4	261	236

TABLE VII.—PRINCIPAL ASSIGNED CAUSES OF INSANITY, 1937.

Causes.	Auckland.		Kingseat.		Tokanui.		Porirua.		Nelson.		Hokitika.		Christchurch.		Seacliff.		Ashburn Hall (Private Mental Hospital).		Total.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Alcohol ..	14	4	..	..	4	0	4	1	1	1	2	0	9	1	3	1	..	..	37	8
Arterio-sclerosis ..	6	8	..	..	1	0	5	6	..	..	..	..	4	2	3	5	..	..	19	21
Climacteric ..	0	11	..	..	0	3	0	5	..	..	..	..	0	7	0	13	0	1	0	40
Congenital ..	22	7	..	..	6	5	13	10	8	2	0	1	38	32	16	8	..	..	103	65
Constitutional ..	0	4	..	..	..	..	14	12	..	..	1	0	..	..	..	..	..	..	15	16
Drug addiction ..	0	3	..	..	..	..	..	..	..	..	..	..	..	..	0	1	..	..	0	4
Encephalitis ..	..	..	..	..	..	..	1	0	..	..	..	..	1	0	..	..	..	..	2	0
Epilepsy ..	8	1	..	..	4	1	5	0	2	3	0	1	2	3	3	3	..	..	24	12
Heredity ..	8	7	..	..	9	8	7	7	2	1	1	2	5	9	8	16	1	2	41	52
Huntingdon's chorea ..	1	0	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	0
Ill-health ..	1	3	..	..	..	..	3	7	..	..	..	..	..	..	..	..	..	..	4	10
Involution ..	3	12	..	..	0	2	2	2	2	2	..	..	3	6	..	..	..	..	10	24
Mental stress ..	23	42	..	..	11	2	43	39	2	1	2	1	13	7	3	1	0	1	97	94
Organic brain disease ..	2	1	..	..	..	..	2	3	..	..	..	..	..	..	..	..	..	..	4	4
Previous attack ..	21	25	..	..	3	7	33	37	1	1	2	4	26	25	7	10	..	..	93	109
Puberty or adolescence ..	0	5	..	..	0	2	2	1	1	1	0	1	9	3	7	2	1	0	20	15
Puerperal ..	0	3	..	..	0	5	0	1	..	..	..	..	0	1	..	..	..	..	0	10
Senility ..	15	18	..	..	5	2	19	13	3	0	..	..	15	14	9	13	..	..	66	60
Syphilis ..	7	2	..	..	0	1	5	5	..	..	..	..	0	3	4	0	..	..	16	11
Toxic ..	1	1	..	..	..	..	0	3	..	..	1	0	1	0	1	7	..	..	4	11
Traumatic ..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Transfers ..	5	6	13	9	8	68	10	6	20	2	6	23	20	38	7	2	1	1	90	155
Totals ..	138	164	13	9	51	106	168	158	42	14	15	33	146	151	71	82	3	5	647	722

TABLE VIII.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS, WITH THE MEAN ANNUAL MORTALITY AND PROPORTION OF RECOVERIES PER CENT. OF THE ADMISSIONS, FOR EACH YEAR SINCE 1ST JANUARY, 1876.

Year.	Admitted.			Recovered.			Discharged.			Not Improved.			Died.			Remaining, 31st December in each Year.			Average Numbers resident.			Percentage of Recoveries on Admissions.			Percentage of Deaths on Average Numbers resident.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
1875	221	117	338	129	79	208	17	8	25	2	8	10	482	254	736	257	748	1,005	54.53	66.01	57.56	3.58	6.70				
1876	250	112	362	123	57	180	20	5	25	3	4	10	519	264	783	491	748	1,005	49.20	50.80	49.72	7.58	7.70				
1877	247	131	378	121	68	189	14	14	28	4	8	5	638	319	957	601	804	1,005	48.98	51.90	50.00	5.61	7.52				
1878	248	151	399	112	76	188	15	13	28	9	4	13	695	361	1,056	666	837	1,003	45.16	50.33	47.11	8.25	7.07				
1879	229	149	378	100	67	167	36	25	61	5	2	7	729	396	1,125	703	1,074	1,005	43.66	44.96	44.17	6.89	6.89				
1880	232	127	359	93	65	158	41	36	77	9	2	11	769	406	1,175	747	1,135	1,005	40.08	51.10	44.01	6.29	6.29				
1881	267	152	419	95	59	154	49	32	81	5	6	11	827	442	1,269	796	1,217	1,005	35.58	38.81	36.75	7.53	6.49				
1882	255	166	421	102	78	180	13	20	33	10	9	19	892	483	1,375	860	1,335	1,005	40.00	46.98	42.75	7.55	6.49				
1883	238	153	391	89	77	166	17	9	26	18	12	30	938	514	1,452	911	1,408	1,005	37.39	50.32	42.45	7.46	6.53				
1884	246	133	379	95	76	171	10	5	15	25	2	27	981	542	1,523	965	1,493	1,005	38.62	57.14	45.12	7.56	6.36				
1885	207	165	372	99	60	159	11	17	28	12	7	19	1,009	604	1,613	984	1,543	1,005	47.82	36.36	42.74	5.79	6.36				
1886	255	161	416	103	78	181	34	17	51	5	1	10	1,033	643	1,696	1,034	1,647	1,005	40.39	48.75	43.61	7.15	6.13				
1887	215	146	361	116	92	208	31	28	59	2	3	5	1,041	640	1,681	1,045	1,686	1,005	53.95	63.01	57.62	7.56	6.16				
1888	230	161	391	93	53	146	31	30	61	3	1	4	1,074	687	1,761	1,046	1,707	1,005	40.43	32.92	37.34	6.69	5.86				
1889	230	160	390	98	88	186	23	17	40	12	5	17	1,095	702	1,797	1,078	1,763	1,005	42.61	55.00	47.69	7.05	6.29				
1890	231	171	405	88	74	162	33	24	57	14	2	14	1,115	734	1,849	1,089	1,789	1,005	37.61	43.27	40.00	7.25	6.71				
1891	231	158	389	89	76	165	21	17	38	8	2	10	1,154	763	1,917	1,125	1,839	1,005	38.53	48.10	42.42	6.58	5.87				
1892	231	179	460	101	89	190	17	12	29	10	8	18	1,229	810	2,039	1,172	1,930	1,005	35.94	49.72	41.30	6.66	5.23				
1893	270	176	446	107	76	183	15	11	26	5	4	9	1,308	860	2,168	1,241	2,053	1,005	39.63	43.13	41.03	5.16	4.82				
1894	252	165	417	105	77	182	24	19	43	1	2	3	1,329	885	2,214	1,313	2,162	1,005	41.67	46.66	43.64	7.69	6.41				
1895	278	159	437	104	70	174	25	16	41	2	1	3	1,390	925	2,315	1,347	2,229	1,005	37.41	44.02	39.13	6.38	5.29				
1896	234	192	426	102	73	175	17	12	29	10	8	18	1,440	990	2,430	1,411	2,355	1,005	35.92	37.82	36.69	7.44	6.28				
1897	234	212	436	114	110	224	13	23	36	7	1	8	1,472	1,008	2,480	1,438	2,411	1,005	35.92	37.82	36.69	7.44	6.14				
1898	239	196	435	103	93	196	15	13	34	2	1	3	1,512	1,045	2,557	1,487	2,491	1,005	33.98	49.49	40.83	7.07	6.30				
1899	300	202	502	123	96	199	20	17	37	1	2	2	1,581	1,061	2,672	1,524	2,583	1,005	34.33	47.54	39.61	6.45	5.31				
1900	329	223	552	125	101	226	20	17	37	1	2	2	1,654	1,119	2,773	1,632	2,715	1,005	39.06	46.64	42.17	6.29	6.38				
1901	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1902	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1903	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1904	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1905	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1906	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1907	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1908	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1909	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1910	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1911	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1912	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1913	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1914	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1915	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				
1916	329	223	552	125	101	226	20	17	37	1	2	2	1,715	1,133	2,848	1,711	2,765	1,005	38.35	51.36	43.01	7.13	6.28				

1917	..	470	374	844	171	152	323	32	20	52	6	5	11	205	113	318	2,611	1,904	4,515	2,543	1,825	4,368	36-38	40-64	38-27	8-06	6-19	7-25
1918	..	437	402	839	142	141	283	17	36	53	12	12	24	274	174	448	2,603	1,943	4,546	2,602	1,899	4,501	32-49	35-07	33-73	10-53	9-16	9-95
1919	..	512	371	883	190	147	337	37	44	81	9	13	22	212	130	342	2,667	1,980	4,647	2,620	1,907	4,527	37-11	39-62	38-17	8-09	6-82	7-55
1920	..	465	418	873	162	148	310	27	37	64	6	10	16	210	166	376	2,717	2,037	4,754	2,674	1,980	4,654	35-63	35-32	33-51	7-85	8-40	8-08
1921	..	479	402	881	178	193	371	30	21	51	15	9	24	201	117	318	2,772	2,099	4,871	2,723	2,031	4,754	37-23	47-88	42-11	7-38	5-76	6-69
1922	..	453	386	839	156	137	313	32	20	52	10	8	18	211	184	395	2,816	2,116	4,932	2,747	2,062	4,809	34-44	40-67	37-31	7-67	8-92	8-21
1923	..	442	366	808	168	131	319	42	38	80	15	5	20	194	131	325	2,839	2,157	4,996	2,789	2,079	4,868	38-00	41-25	33-48	6-95	6-30	6-67
1924	..	446	377	823	152	128	280	30	42	72	9	11	20	221	95	316	2,873	2,258	5,131	2,808	2,146	4,953	34-08	33-95	34-02	7-87	4-42	6-37
1925	..	445	430	875	144	175	319	29	37	66	23	17	40	201	123	324	2,921	2,336	5,257	2,830	2,203	5,033	22-36	40-69	33-45	7-45	5-37	6-43
1926	..	508	439	947	136	143	281	27	35	62	15	25	40	207	147	354	2,944	2,423	5,467	2,926	2,287	5,213	26-13	30-75	23-67	6-16	6-42	6-77
1927	..	531	414	945	157	128	285	40	42	82	14	9	23	217	132	349	3,147	2,526	5,673	3,022	2,273	5,395	29-56	30-91	30-16	7-17	5-67	6-47
1928	..	506	430	956	115	121	249	40	40	80	17	13	30	207	161	368	3,274	2,628	5,902	3,120	2,459	5,579	22-72	29-77	26-01	6-63	6-53	6-65
1929	..	549	407	956	145	144	289	30	28	58	22	16	38	227	153	380	3,399	2,694	6,083	3,245	2,435	5,710	23-41	35-37	30-23	7-06	6-13	6-67
1930	..	621	474	1,095	138	128	266	28	34	62	31	23	54	231	172	423	3,572	2,811	6,383	3,342	2,699	5,932	22-22	27-60	24-23	7-51	5-64	7-15
1931	..	587	476	1,063	127	120	247	29	30	59	29	30	59	221	199	420	3,753	2,908	6,661	3,503	2,636	6,199	21-34	25-21	23-37	6-31	7-33	6-76
1932	..	587	484	1,071	141	160	301	39	42	81	38	41	79	219	169	388	3,993	2,980	6,883	3,681	2,738	6,419	24-02	33-05	28-10	5-97	6-17	6-06
1933	..	563	554	1,117	117	144	261	35	27	62	28	22	50	221	124	345	4,065	3,217	7,282	3,809	2,932	6,741	20-78	25-99	23-36	5-80	4-23	5-16
1934	..	479	504	983	114	146	260	64	72	136	..	..	..	233	203	436	4,133	3,360	7,433	3,890	3,039	6,938	23-89	28-97	26-45	5-98	3-68	6-28
1935	..	567	502	1,069	117	136	233	72	55	127	..	..	..	229	206	435	4,282	3,405	7,687	4,003	3,111	7,114	20-63	27-09	23-67	5-72	6-62	6-11
1936	..	553	556	1,109	121	149	270	105	96	201	..	..	..	252	213	465	4,357	3,503	7,890	4,033	3,195	7,288	21-88	26-80	26-76	6-18	6-66	6-38
1937	..	557	567	1,124	130	179	359	121	110	231	..	..	..	261	236	497	4,352	3,545	7,897	4,112	3,272	7,384	32-32	31-37	31-94	6-35	7-21	6-73
23,601	18,010	41,611	8,299	7,236	15,535	399	2,137	4,536	..	..	..	..	..	9,033	5,345	14,378	..	..	..	..	..	..	..	..	..	..	..	..

Excluding transfers between institutions—2,673 males, 2,120 females.

TABLE IX.—SHOWING THE ADMISSIONS, DISCHARGES, AND DEATHS FROM 1ST JANUARY, 1876, TO 31ST DECEMBER, 1937 (EXCLUDING TRANSFERS).

						M.	F.	T.
In hospitals, 31st December, 1875	..	..	..	..	..	482	254	736
Admissions	..	..	..	..	..	23,601	18,010	41,611
						24,083	18,264	42,347
Discharged—								
Recovered	..	..	..	..	..	8,299	7,236	15,535
Not recovered	..	..	..	..	..	2,399	2,137	4,536
Died	..	..	..	..	..	9,033	5,346	14,379
						19,731	14,719	34,450
Remaining on 31st December, 1937..	..	..	..	..	..	4,352	3,545	7,897

TABLE X.—SUMMARY OF TOTAL ADMISSIONS: PERCENTAGES OF CASES SINCE THE YEAR 1876.

						Males.	Females.	Both Sexes.
Recovered	..	..	..	..	..	34·46	39·62	36·69
Not recovered	..	..	..	..	..	9·96	11·70	10·71
Died	..	..	..	..	..	37·51	29·27	33·95
Remaining	..	..	..	..	..	18·07	19·41	18·65
						100·00	100·00	100·00

TABLE XI.—DEBITS FOR THE FINANCIAL YEAR, 1937-38.

	Auckland.		Kingseat.		Tokaanui.		Porirua.		Nelson.		Hokitika.		Christchurch.		Seacliff.		Head Office.		Total.	
	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.
Salaries ..	54,600	15 2	18,648	5 11	34,709	10 10	70,069	13 11	34,302	12 8	23,308	12 2	66,270	19 3	69,992	8 2	9,909	13 10	381,812	11 11
Official Visitors ..	50	8 0	..	..	..	..	25	0 0	..	..	..	..	25	4 0	..	..	..	..	100	12 0
Advertising, books, &c. ..	14	19 9	14	5 2	13	12 3	22	18 0	8	0 9	..	..	14	6 0	29	15 0	63	10 8	193	0 7
Bacteriological research ..	66	6 2	0	15 6	..	..	5	13 0	..	..	..	..	1	1 6	..	..	..	..	73	16 2
Bedding and clothing ..	5,835	8 7	2,160	4 3	3,061	19 8	7,180	6 9	3,143	8 1	2,500	14 9	6,320	16 0	5,400	0 1	..	..	35,602	18 2
Buildings, including additions, &c. ..	911	15 11	22	13 5	480	11 9	484	19 6	254	16 9	197	5 7	1,075	14 2	903	8 11	..	..	4,831	6 0
Dental services ..	1	13 3	1	19 7	2	0 9	7	19 8	19	17 6	13	10 6	14	0 8	16	5 6	..	..	77	15 11
Farms, maintenance of ..	1,278	6 9	946	16 0	5,012	5 8	1,432	6 10	1,269	18 1	412	18 8	1,492	14 6	7,658	0 5	..	..	19,503	6 11
Fencing, draining, and roading ..	44	10 3	147	16 8	76	8 1	63	14 4	56	3 10	22	5 3	82	16 3	89	13 7	..	..	583	8 3
Freight, cartage, and transport ..	61	2 8	95	14 5	239	1 10	305	16 2	252	4 6	48	1 8	353	1 5	438	19 9	0	4 6	1,794	6 11
Fuel, light, water, &c. ..	6,801	9 0	1,884	10 8	3,550	4 3	6,566	0 4	4,835	9 6	1,614	1 11	7,354	8 11	6,112	15 8	51	2 4	38,770	2 7
Funeral expenses ..	82	10 0	32	10 0	110	3 0	117	5 0	38	5 0	..	..	30	15 0	..	..	..	..	525	2 0
Furniture and fittings ..	403	1 5	433	8 9	153	8 4	739	0 6	208	9 11	116	12 3	850	11 1	788	4 9	..	..	3,692	17 0
Gardens and shrubberies ..	53	16 0	19	15 8	12	1 6	58	3 7	25	16 1	15	13 7	142	19 7	36	16 3	..	..	365	2 3
Laundry ..	425	5 10	189	7 9	215	18 0	362	7 7	140	12 6	47	4 6	409	12 10	288	3 8	..	..	2,078	12 8
Legal and inquiry costs ..	1	11 6	..	..	..	..	..	..	..	..	..	..	16	16 1	..	..	..	..	18	7 7
Machinery, repairs, and stores ..	72	17 11	4	18 1	104	7 3	134	17 6	64	15 2	10	16 3	264	16 11	203	4 7	..	..	860	13 8
Medical fees ..	664	14 0	9	16 3	157	13 0	732	18 0	83	16 0	39	7 0	468	19 3	307	4 0	..	..	2,464	7 6
Motor-vehicles—																				
Maintenance of ..	72	10 7	115	4 11	110	12 4	83	0 8	37	5 5	32	15 6	354	19 6	208	18 0	..	..	1,015	6 11
Purchase of ..	..	..	371	6 7	127	8 11	243	1 6	243	1 6	129	19 11	..	..	..	..	..	..	1,114	18 5
Nursing-staff uniforms ..	323	17 7	156	18 2	179	3 8	286	9 6	195	5 8	149	8 11	174	3 1	366	16 11	..	..	1,832	3 6
Office equipment ..	3	16 0	..	..	9	8 11	9	2 10	0	11 6	1	1 2	7	12 0	3	0 6	4	5 3	38	18 2
Patients, expenses connected with—																				
Gratuities ..	21	10 0	..	..	4	7 6	44	1 6	119	19 2	12	10 0	..	..	36	0 3	..	..	238	8 5
Friends ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50	0 0	..	..	50	0 0
Recreation ..	721	11 9	583	12 0	509	4 3	1,188	4 3	512	15 9	526	9 0	1,057	16 9	899	10 7	..	..	5,998	14 4
Transfers ..	24	19 3	7	9 11	4	16 10	137	7 10	8	17 9	13	15 2	79	12 1	138	3 2	..	..	415	2 0
Postages, telegrams, &c. ..	86	17 5	44	9 1	52	12 3	139	9 9	44	3 4	12	0 0	115	9 4	136	3 11	185	17 10	817	2 11
Printing and stationery ..	222	14 9	101	2 8	123	12 1	209	14 4	109	17 5	88	14 8	252	2 4	197	6 5	90	2 6	1,395	7 2
Rations ..	14,030	12 2	8,336	9 5	6,154	15 6	19,769	12 10	8,889	1 6	6,121	18 3	15,856	8 1	10,412	14 0	..	..	89,571	11 9
Rents and rates ..	..	..	..	..	..	..	..	..	7	12 7	..	..	677	2 1	4	0 0	668	15 5	1,357	10 1
Stores ..	562	15 5	316	1 2	453	5 9	1,079	19 5	611	18 6	366	9 1	1,055	15 9	825	1 9	..	..	5,271	6 10
Surgery and dispensary, drugs, &c. ..	377	10 1	165	18 6	130	0 0	345	16 11	232	17 6	134	8 1	448	6 8	250	15 4	..	..	2,085	13 11
Telephone services ..	68	6 3	124	13 1	84	8 8	181	0 2	57	12 3	33	1 11	111	15 11	213	8 9	114	9 5	989	6 5
Transfer and removal expenses ..	2	15 6	7	4 5	99	9 4	40	13 2	4	0 6	43	7 0	12	10 4	30	4 0	..	..	7	19 10
Travelling-allowances ..	42	6 2	103	14 11	58	4 10	78	16 3	90	7 5	52	13 9	125	13 11	209	7 9	251	15 6	1,013	0 6
Travelling-expenses ..	97	13 5	15	13 1	21	17 10	69	15 7	21	19 7	18	16 0	110	9 4	138	6 8	223	17 3	718	8 9
Treatment in general hospitals—																				
Patients ..	179	15 3	40	8 6	20	14 10	225	14 10	6	1 6	28	7 0	78	19 6	116	1 0	..	..	696	1 1
Staff ..	1	11 6	..	..	..	..	2	18 0	..	..	..	..	26	8 0	51	3 0	..	..	82	0 6
Contingencies and miscellaneous ..	198	8 3	..	..	8	8 6	18	10 6	15	0 7	29	8 0	139	8 5	113	13 10	7	2 6	530	0 7
Totals ..	88,410	3 6	35,103	4 6	56,051	18 2	112,462	9 1	55,912	15 9	36,154	9 0	105,874	6 6	108,779	11 0	11,578	16 10	608,327	14 5

TABLE XIA.—CREDITS FOR THE FINANCIAL YEAR, 1937-38.

TABLE XII.—AVERAGE COST OF EACH PATIENT PER ANNUM.

Mental Hospital.	Average Number of Resident (inclusive of Boarders).	Salaries.		Bedding and Clothing.		Buildings and Repairs.		Farm.		Fuel, Light, Water, and Cleaning.		Provisions.		Surgery and Dispensary.		Miscellaneous.		Total Cost per Patient.*		Repay-ments for Main-tenance.		Other Re-payments.		Net Cost per Patient.		Net Cost Previous Year.		Decrease in 1937-38.		Increase in 1937-38.		
		£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.	£	s. d.			
..	1,280	42	13 2	4	11 2	0	14 3	1	0 0	5	6 3	10	19 3	3	5 11	3	11 6	69	1 6	21	17 0	4	9 2	42	15 4	38	10 6	..	..	4	4 10
Auckland	583	31	19 9	3	14 1	0	0 9	1	12 6	3	4 8	14	6 0	0	5 8	0	10 60	4	3 18	19	8 4	0	9 3	33	0 7	30	16 6	..	..	2	4 1
Kingseat	618	56	3 3	4	19 1	0	15 7	8	2 3	5	14 11	9	19 2	0	4 2	4	15 7	90	14 0	21	2 5	15	16 9	53	14 10	42	11 5	..	..	11	3 5
Tokanui	..	1,496	46	16 9	4	16 0	0	6 6	0	19 2	4	7 9	13	4 4	0	4 7	4	8 75	3	6	23	11 6	4	0	4	38	6 4	..	..	7	0 9
Porirua	..	809	42	8 0	3	17 9	0	6 4	1	11 5	5	19 7	10	19 9	0	5 9	3	13 9	69	2 4	13	12 7	7	7 10	48	1 11	45	16 11	2	5 0
Nelson	..	450	51	15 11	5	11 2	0	8 9	0	18 4	3	11 9	13	12 1	0	6 0	4	2 10	80	6 10	12	3 6	4	16 7	63	6 9	54	16 8	8	10 1
Hokitika	..	1,298	51	1 1	4	17 5	0	16 7	1	3 0	5	13 4	12	4 4	0	6 11	5	8 8	81	11 4	21	6 2	7	7 7	52	18 2	41	19 0	10	19 2
Christchurch	..	1,172	59	14 5	4	12 2	0	15 5	6	10 8	5	4 4	8	17 8	0	4 3	5	3 3	91	2 2	20	13 11	9	4 0	61	4 3	50	7 8	10	16 7
Seacliff	1	5 9	0	0 2	0	4 2	1	10 1	1	10 1	1	8 0	0	2 1
Head Office	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total average cost	7,706	49	10 11	4	12 5	0	11 3	2	10 7	5	0 7	11	12 6	0	5 5	4	15 1	78	18 9	20	4 4	7	10 9	51	3 8	43	15 11	..	..	7	7 9

* NOTE.—Cost does not include interest and depreciation on land, buildings, &c.

TABLE XIII.—EXPENDITURE OUT OF PUBLIC WORKS FUND ON MENTAL HOSPITAL BUILDINGS, ETC.,
DURING THE FINANCIAL YEAR ENDED 31ST MARCH, 1938.

Mental Hospitals.		Net Expenditure for Year ended 31st March, 1938.
	£	
Auckland .. .. .	..	5,638
Christchurch (Sunnyside) ..	..	16,397
Hokitika .. .. .	..	2,097
Nelson and Stoke .. .. .	..	2,234
Porirua .. .. .	..	20,502
Kingseat .. .. .	..	32,144
Seacliff .. .. .	..	570
Tokamui .. .. .	..	2,835
Waitati .. .. .	..	..
Total .. .. .	..	102,457

TABLE XIV.—TOTAL EXPENDITURE OUT OF PUBLIC WORKS FUND FOR BUILDINGS AND EQUIPMENT AT EACH MENTAL HOSPITAL FROM 1ST JULY, 1877,
TO 31ST MARCH, 1938.

Mental Hospitals.	1877-1878.	1928-29.	1929-30.	1930-31.	1931-32.	1932-33.	1933-34.	1934-35.	1935-36.	1936-37.	1937-38.	Total Net Expenditure 1st July, 1877, to 31st March, 1938.
Auckland	£ 211,930	£ 12,461	£ 2,279	£ 3,372	£ 3,339	£ 2,680	£ 12,251	£ 28,552	£ 18,307	£ 16,218	£ 2,234	£ 240,622
Christchurch (Sunnyside) ..	.. 224,275	.. 7,777	.. 35,291	.. 23,993	.. 16,433	.. 10,278	.. 35,438	.. 29,784	.. 21,973	.. 65,192	.. 52,144	.. 333,680
Dunedin (The Camp) .. .. .	.. 4,891	.. ..	.. ..	.. 4,650	.. 3,065	.. 414	.. 6,618	.. 4,888	.. 1,453	.. 2,958	.. 570	.. 315,676
Hokitika .. .. .	.. 45,649	.. 401	.. 3,064	.. 14,764	.. 8,381	.. 3,107	.. 8,753	.. 5,629	.. 2,739	.. 7,580	.. 2,097	.. 102,164
Hornby .. .. .	.. 11,102	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 11,102
Motutahi Island .. .. .	.. 561	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 561
Napier .. .. .	.. 147	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 147
Nelson and Stoke .. .. .	.. 63,600	.. 956	.. 33,250	.. 26,494	.. 3,339	.. 2,680	.. 12,251	.. 28,552	.. 18,307	.. 16,218	.. 2,234	.. 207,881
Pukitahi (Kingseat) .. .. .	.. ..	.. ..	.. ..	.. 16,130	.. 16,433	.. 10,278	.. 35,438	.. 29,784	.. 21,973	.. 65,192	.. 52,144	.. 247,372
Seacliff .. .. .	.. 225,055	.. 27,132	.. 34,609	.. 8,914	.. 3,065	.. 414	.. 6,618	.. 4,888	.. 1,453	.. 2,958	.. 570	.. 315,676
Tokamui .. .. .	.. 126,708	.. 19,887	.. 32,405	.. 27,787	.. 7,164	.. 2,918	.. 6,295	.. 3,797	.. 12,682	.. 18,839	.. 2,855	.. 261,837
Waitati .. .. .	.. 18,289	.. 853	.. 2,170	.. 9,557	.. 936	.. 516	.. ..	.. ..	.. ..	.. ..	.. ..	.. 32,321
Wellington .. .. .	.. 29,641	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. 29,641
Wellington (Porirua) .. .. .	.. 305,302	.. 27,315	.. 9,028	.. 3,129	.. 1,349	.. 207	.. 29	.. 170	.. ..	.. 6,510	.. 20,502	.. 373,541
Totals .. .. .	.. 1,267,150	.. 96,782	.. 152,096	.. 134,140	.. 45,938	.. 28,756	.. 73,020	.. 98,630	.. 69,858	.. 142,109	.. 102,457	.. 2,210,936

Approximate Cost of Paper.—Preparation, not given; printing (610 copies), £38 10s.

By Authority: E. V. PAUL, Government Printer, Wellington.—1938.

