

## NOVA SCOTIA

## HOSPITAL FOR THE INSANE.

HALIFAX, N. S.

Sevenitenith Ammal Repopot of the Medical Superinteriment.

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1875

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## NOVA SCOTIA

 hospital For The insane, halifax, n. S. 1874.Conmissioner of Gublit \%orks and Hon. ROBERT ROBERTSON, M. P. P. ; M. E. C. 3oard of Commissiontrs. GEORGE G. DUSTAN, Esq., J. P., Chairman. JAMES DUGGAN, Esq., J. P. PETER ROSS, EsQ., J. P.
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Engincer.
W. R. D. DICKSON.
by

## REPORT

OF THE

## MEDICAL SUPERINTENDENT

FOR TIIE YEAR

1874. 

To the Honorable the Commissioner of Public Works and Mines :
Sir,--I have the honor to submit the seventeenth annual report of the Nova Scotia Hospital for the Insane, showing its "condition, progress, and requirements."

At the date of last report the number under care was two hundred and sixty-eight (268.) The admissions for 1874 have been sixty-seven (67), and the discharges fifty-six (56), leaving on the record at the end of the present year, two hundred and seventy mine (279)

Of those who were discharged, six (6) were improved ; thirty-six (36) recovered, and fourteen (14) died.

The whole number under care for the past twelve months was three hundred and thirty-five (335.) The daily average, (which last year was two hundred and sixty-six (266), and at that time by far our highest, has this year been two hundred and seventy eight (278.)

In the sixteen years the Hospital has been in operation, nine hundred and seventy-nine (979) have been admitted; and of these, seven hundred (700) have been discharged, as follows, namely, one hundred and ninety-six (196) have died; twenty (20) have been removed unimproved; seventy-four (74) have been benefited to a greater or less extent; and four hundred and ten (410) have been discharged as recovered.

The proportion of recoveries to admissions has this year been nearly fifty-four per cent (53.73) ; while the mean of all former years was rather less than forty-two per cent (41.80.)

The mortality rate for 1874 has been five per cent (5), on the average number under care-the corresponding rate of all former years having been six per cent (6.)

Reckoned on the whole number for the year the mortality rate has been only a fraction over four per cent (4.18.)

The relative number of recoveries ameng males and females is shown in the tables forming the appendix. The comparative rate of recovery of the two sexes, while it varies from one year to another, has averaged almost precisely the same for the whole period, namely 41.8 for males, and 42.8 for females.

The mortality rate has been much lower this year among the female patients, being less than
three per cent (2.75) on the average number, against seven and one half per cent (7.57) on the male side. Carrying the reckoning however over the whole series of years, the difference is less marked, namely, seven per cent (7.1) for males and five and one half per cent, nearly, (5.4) for females.

This summary of statistics shows at a glance the results of Hospital treatment, and exhibits an array of figures that will bear comparison with those of either English or American Asylums.

The admissions have been less numerous than last year, only the most urgent and hopeful cases being received, owing to the crowded state of the Hospital.

This condition of our wards is now happily remedied on the women's side, and when the requisite repairs shall have been completed, the same may be said of the opposite side. Until these have been attended to, however, this crowding is almost unavoidable.

The number of discharges has been precisely the same as in 1873. Two patients who had materially improved, were removed to a Military Asylum in England; four were taken home at request of friends ; benefited, but not recovered. Of the remaining discharges seventeen (17) men and nineteen (19) women were recovered; and ten (10) men and four (4) women died.

The deaths, except in one instance, were due to
natural causes. One patient, far advanced in years, whose improvement verged upon recovery, and who had to some extent the liberty of the grounds, met with a dislocation of the shoulder by talling when endeavoring to make his escape. Owing to this accident, he was supposed to be incapable of intentional self injury, and a less strict oversight of his movements was kept. He
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numbers at that time having amounted to one hundred and ninety (190.)

The removal of the officers of the Hospital from their temporary quarters to the centre building, gave additional room in the South Wing, and this with the first section North were soon occupied to their fullest extent. Our numbers were augmented year by year, until in 1874 we have had a daily average of two hundred and seventy-eight (278.)

This increase caused such crowding and inconvenience as were highly objectionable, but so great was the pressure for admission, that this state of affairs could not be avoided. It afforded us very great relief when in Octobero the present year, the possession of the remainder of the North Wing was formally handed over; and by the latter part of December, we had every one of the new wards occupied

The portion of the North Wing recently finished consists of two sections, each three stories in height, and completes the Hospital according to the original design. Owing to the sudden declivity of the ground at the North, a third story was added to the last section, giving an additional ward on the female side of the house.

The workmanship on the new wings has been thorough and satisfactory, reflecting great credit on the contractors Messrs. Brunton and McNab.

The advantages derived from the completion of the Hospital are greater than can well be des-
cribed, and can only be fully appreciated by those who, under similar circumstances, have experienced the same relief.

First.-It puts an end, at least for some time to come, to our overcrowding. This serious evil is now happily remedied.

Second.-The men and women, who have unavoidably been housed under the same roof heretofore, now occupy separate wings of the Hospital. This is a most important change for the better, and carries out the original design. It removes permanently a difficulty under which we have labored for the past sixteen years.

Third.-The unrestricted access of numerous workmen to our premises, and their daily presence under the very windows of the Hospital, is no longer a source of trouble.

Fourth.-The improvements on the grounds can now be satisfactorily carried out with a view to permanency. $\mathrm{Up}_{\mathrm{p}}$ to this time the planting, terracing, and grading have only been partial ; each addition to the Hospital having necessitated a change of our working plan, to some extent.

Fifth.-The completion of the Hospital affords us the means of thorough classification of the patients. We have now nine wards for women on the North, and eight for men on the South. Of the necessity for this separation and classification every one is well aware. It is perhaps more
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requisite in our case than in County or State Asylums, since we receive private patients, as well as those of the humbler classes.

From these and other considerations it is a matter of great movement that our building has at last been brought to its present condition. Constructed in accordance with the well-matured plan recomme: ded by the Association of American Superintendents, it is admirably adapted to the use for which it is designed; and having been completed, it now stands as a monument of the liberality of our Leigslature and people.

## EXTENISION OF THE HOSPITAL.

Before it was practicable to complete the North Wing of the Hospital, additional land was not only desirable but indispensable. This urgent want had been pointed out in former reports, and after repeated endeavors to secure what was required, additional land was this year obtained both on the North and South boundaries. It was indeed a great acquisition, the importance of which is of course more easily appreciated by. those resident at the place; but even to the eye of a visitor, the improvement is quite noticeable.

The addition includes rather more than six acres
of land, lying in close proximity to the Hospital. The Southern portion affords an excellent exercising ground for the men, most conveniently situated, overlooking the harbor and surrounding country, while the Northern portion gives us space for an independent entrance road, long and urgently required.

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No sooner was the title perfected to the land recently acquired, than a new road was made. This at first connected the old entrance road at the rear, with the road leading to the wharf, and with that in front of the building. Over the former of these, all the fuel for our use in winter had to be carted, and the want of this connection would have led to much additional expense in truckage, as well as delay in discharging the cargoes of coal.

The next step was to open a suitable approach to the Hospital from the Dartmouth highway. Owing to the great declivity of the ground on the North (already alluded to) it became necessary to locate the road nearer to the new wing than would otherwise have been desirable. By filling up extensive hollows with boulders and broken stone, a substantial road of good width and of easy grade, was opened before the setting in of winter.

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The work on this roadway was done almost entirely by the patients, who set about it with a hearty good will. It led to the clearing up of land in the vicinity, since several hundred tons of stone were used in making it.

A suitable gate, constructed of wood and iron, of good design, combining lightness with strength, has been placed at the main entrance, on the extreme north east corner of the newly bought land.

This location of the road brings visitors by an easy and direct route to the front of the Hospital, avoiding the out buildings and their surroundings, and keeping at some distance from the patient's windows.

At the point of intersection of the shore road with the main approach, a gas pipe has been laid; and when lamp-posts are provided, the access to the building will be easy and safe in the darkest nights.

## IMPROVEMENTS INTRODUCED IN THE NEW WING.

While carrying out the original design of the Hospital, it was found practicable to improve in some respects upon the portion first built. Cast-
iron stairways, instead of granite, had already been used in the last extension ; in the new wing, substantial hand rails were added, which are found to be very serviceable.

Window glass of extra thickness has been supplied in the halls devoted to excited patients, and the panes being small they cannot be broken, except by using a stone or other heavy instrument.

In six rooms on each flat of the North Wing, sliding shutters have been provided, controlled by lock and key.

A drying closet heated by steam, has been added to each bath room; and the floors of the bath rooms and water closets are of tiles instead of wood, adding to the appearance as well as the durability.

Electric bells, communicating with the medical office, have been introduced in the several wards, in lieu of the ordinary house bell.

The external walls of the entire new wing are built hollow, and connected by cast iron ties, an interspace of two inchcs having been left. They are covered with mastic-blocked off to resemble free stone-while internally they are coated with cement, and finished with plaster.

The flues for heating and ventilation are built in the internal walls only, the latter being carried into a horizontal shaft in the attic, and thence to open

Abol sed by the app on fire. burst fo on hast the inm building close to window six feet fire wou story ha and if tl the resu

Internal double sashes are provided for winter use, in all room sand corridors that have more than one window. These sashes are jointed and hinged, eighteen inches from the top, so that the window can be opened for ventilation when required.

The improved heating arrangement of the North Wing "as fully described in last year's report. Its essential point consists in having a separate coil of steam pipe for every hot air flue.

## ALARM OF FIRE.

About midnight on the 13th May we were aroused by our next door neighbor, Mr. Minchu, with the appalling announcement that the Hospital was on fire. From his residence he had seen the flames burst forth from a window in the South wing, and on hastening to the spot we found that one of the inmates had made a bold attempt to destroy the building. He had placed his bed and bedding. close to the window, and these together with the windowe asing were entirely consumed, and about six feet square of the floor deeply charred. The fire would doubtless have extended to the upper story had it not been thus fortunately discovered; and if the roof had ignited, there is no saying what the result might have been.

The alarm being given, the officers of the Hospital were promptly in attendance, and no confusion or panic occurred. The hose and branch were already in position and connected, so that an abundant supply of water was immediately at our command.

The flame and smoke having issued through the window, the patient himself was uninjured. The only sufferer by the event was the man in the room immediately above, who to avoid suffocation, wisely wrapped his head in a woolen coat, and laid prostrate on the floor. He was immediately extricated, and suffered but little inconvenience, beyond the terrible fright to which he had been subjected. He has since been discharged, recovered.

None of the other patients were disturbed; and the debris being cleared away, it was not long before all the employes had resumed their respective places.

The incendiary had doubtless concealed a match for this particular purpose; nor can we very well guard against a similar contingency in the future, without curtailing the privilege the patients enjoy of smoking tobacco,

Our watchman had that night been placed on special duty near the centre building; hence it was no fault of his, that the alarm came from an outside source.

As a precautionary measure an electric bell has been placed in the Engineer's apartment, so that he can instantly be called in any emergency.

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## ACKNOWLEDGMENTS.

From the opening of this Hospital, sixteen years ago, no annual report has ever been wanting in an extensive list of donations and benefactions, A generous community has not failed to appreciate the charitable aspect of the Hospital-and they justly class the insane in the same list with those deprived of special senses; as the blind, and the deaf. They considerately provide for the sick and suffering, the poor and the desolate, and recognize our patients as being no less entitled to their sympathy and aid.

Hence the many spontaneous and liberal contributions to the Hospital; the kind attendance of professionals and amateurs at our theatrical and musical entertainments; as also the means readily provided for excursions, sleigh drives, and the like.

For this commendable liberality on the part of the public. we are indebted in no small degree to the generosity of the members of "the Fourth estate, in affording gratuitous announcements of our various entertainments as they occur, and in noting the donations received from time to time, thus keeping the institution clearly on the list of "the local charities."

To the press we owe thanks also for their continued kindness in forwarding nearly every news.
paper in the Province for the benefit of our inmates. We receive regularly:-

The "Acadian Recorder." (daily).

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Commissioners and Superintendent, and has recently honored the Hospital by the gift of a valuable and excellent portrait, admirably executed, and handsomely framed, which now graces our Board Room, and forms a fitting memorial of one who has, in other respects also, been a benefactress to the Province.

Rev'd. A. Gray, of Milton, Queen's Co., kindly gave us a special evening service; and a few days afterwards, he exhibited a number of interesting views by means of the Stereopticon.

The late Rev'd. R. Warren, M. D., favored us with an exhibition of dissolving views; and the - officers and members of the North British Society, enlivened our household with songs, readings and recitations.

The Gentlemen's Amateur String Band, of Halifax, kindly gave us an evenings entertainment, and for a similar enjoyment we are indebted to the Band of H. M. S. "Bellerophon." At the conclusion, the solo, duet, and quartette of "Good night-all's well" was exquisitely rendered, and being repeated in the open air, was heard in every part of the Hospital, and will long be remembered.

Mr. Thomas S. Hagarty, aided by Mr. Sharpe Bandmaster of H. M. S. "Bellerophon," and by Mr. J. Godfrey Smith, afforded our inmates a delightful concert, Miss Glennon, Miss Compton, and others kindly lending their assistance.

Messrs. Nannery \& McDowall's theatrical troupe favored us with an e nlivening entertainment, and Mr. Barnabee and as sociates gave an eveningsperformance which was highly appreciated. The violin solo by a young lady, was enthusiastically received.

To the Managers of Messrs. Stone \& Murray's Railroad Circus, we are again indebted for free admission for all the patients able to attend. The Directors of the Provincial Exhibition of Fruit, Stock, and Farming Implements, very thoughtfully gave free entrance to a like number. The crossing to and from Halifax on these occasions, was of itself highly enjoyable.

To Captain McKenzie and the Directors of the Halifax Steamboat Company, we owe thanks once more for our annual excursion in the good steamer "Mic-Mac."

The British American Book and Tract Society continue to send us large monthly packets of interesting and instructive periodicals, well assorted.

Four quarto volumes of valuable reports were received from the office of the Surgeon General of the United States Army at Washington.

We are under obligation to Messrs. A. Stephen \& Son, for a Parian bust of Prince Albert, and for a number of framed Chromos, for our new wards.

To Thomas Mott, Esq., of Dartmouth, we are indebted for the privilege of making a roadway on his property, on our Southern boundary. This
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served for a long period as our only means of communication between the wharf and the Fuel Yard, and was at that time the only route by which carriages had access to the front of the Hospital.

To the Grand Jury of Halifax County, J. R. Murray, Esq., Foreman, we owe thanks for the appropriation of their fees for the benefit of one of our indigent patients.

Contributions towards the purchase of a new Organ for the Hospital have flowed in most liberally. Through the kind aid of Miss Fairbanks, of Dartmouth, and of Mrs. George Downie, our Supervisor, last year'sappeal has been nobly responded to. Sums varying from one dollar to one hundred have been handed in, amounting at the present time (January 1st.) to six hundred and sixty-three dollars $(\$ 663)$. We hope to be able to append to this report, a statement showing the cost of the organ, and a list of the contributors.

George G. Dustan, Esq., Chairman of the Board of Commissioners, has renewed his former kindness by giving carriage drives in summer and sleigh drives in winter to a number of the patients and attendants.

Miss Dustan, of Woodside, has placed us under obligation by having consented to preside at the organ on Sundays, during the prolonged absence of our usual organist.

For the preparation of the numerous statistical tables appended to this report, I am once more

# indebted to our worthy Bursar, Thomas McCulloch Esq. 

For six weeks leave of absence kindly granted in the autumn, I have to return my best acknowledgments to the Honorable the Attorney General, ex-Commissioner-as also for his and your own generous support and encouragement under the difficulties incident to Hospital management.


## REQUIREMENTS.

The portion of the Hospital first built needs a thorough repair, more especially the windows and floors. A good opportunity for this is now afforded, by the transfer of the female patients to their new quarters.

The barn requires to be raised and repaired, or what perhaps is better, to be replaced by a new one.

The wharf should be lengthened very considerably, to afford a greater depth of water for vessels bringing coal and produce.

A porter's lodge is needed at the new entrance; and a mortuary on some part of the grounds, for the reception of the dead.

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 sselsA better provision against fire, is one of our immediate requirements.

The laying out of the grounds, and the requisite grading, terracing, and planting, 'ought not to be longer delayed.

A new road East of the Hospital, at a greater distance from the rear of the building than the present highway, is certainly a desideratum.

The foregoing list embodies our chief requirements, which will doubtless be most economically met by being promptly attended to.

## CONCLUSION.

In accordance with the bye-laws, the "condition, progress, and requirements" of the Hospital have been pointed out. A summary of the events of the year has been given, and a statement of our indebtedness to individual benefactors.

It now remains to express our sincere gratitude to the Supreme Being for past mercies, and to invoke His blessing upon our future labors.

The last hour of the old year was spent by a large number of attendants and many of the patients, in our chapel, where songs of grateful praise resounded at the solemn midnight hour, and ushered in the coming year.

> JAMES R. DeWOLF, M. D., Superintendent.

Mount Hope,
January 1st, 1875

Table
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STATISTICAL TABLES.

TABLE 1.
(thel Deaths for the yen 1874

| In Hospital 1st January, 1874...... |  |  |  | Males. | Females. | Total. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 128 | 140 | 268 |
|  | M. | F. | т. |  |  |  |
| Admitted for the first time during the year Re-admitted during the year . . . . . . . | 26 | 26 | 52 |  | . |  |
| Total admitted . . . . . . . | 8 | 7 | 15 |  |  |  |
| Total under care during the year |  |  |  | 34 | 33 | 67 |
| Recovered ......... | M. | F. | T. | 162 | 173 | 335 |
|  |  |  |  |  | 23 | 56 |
| Relieved . . . | 17 | 19 | 36 |  |  |  |
| Not improved Died . . . . | 6 0 | 0 | 6 0 |  |  |  |
| Died <br> Total discharged and died | 0 10 | 0 4 | 0 14 |  |  |  |
| Total discharged and died during the year Remaining in Hospital December 31st, 1874.$\square$$\qquad$ |  |  |  | 33 |  |  |
|  |  |  |  |  |  |  |
| Average number resident during the year.... |  |  |  | 129 | 150 | 279 |
|  |  |  |  | 133 | 145 | 278 |

ADMISSIONS AND DISCHARGES TO PRESENT DATE.


Shewing the History of the Annual Admissions since the opening of the Hospital, with the Discharges and Deaths, and the

| Year. | Admitted. |  |  |  |  | Of each year's Admissions, Diseharged and Died, in 1874. |  |  |  |  |  |  |  |  | Total Discharged and Died of each year's Admissions to 31st December, 1874. |  |  |  |  |  |  |  |  |  |  |  | Remaining of each <br> years admissions |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | New cases. |  | Relapsed cases. |  | Total | Recovered. |  |  | Relieved. |  |  | Dicd. |  |  | Recovered. |  |  | Relieved. |  |  | Not improved. |  |  | Died. |  |  |  |  |  |
|  | м. | F. | M | F. |  | M. | F. | т. | м. | F |  | m. | F. | T. | M. | F. | T. | M. | F. | т. | M. | F. | T. | M. | F. | T. | M | F. | т. |
| 1859 | 39 | 31 |  |  | 70 |  |  |  |  |  |  |  |  |  | 13 | 7 | 20 | 6 | 3 | 9 | 2 | 1 | 3 | 7 | 12 | 19 |  |  |  |
| 1860 | 32 | 31 |  |  | 63 |  |  |  |  |  |  | 1 |  | 1 | 21 | 11 | 32 | 7 | 1 | 8 | 2 |  | 2 | 6 | 9 | 15 |  |  |  |
| 1861 | 33 | 20 | 5 | 2 | 60 |  |  |  |  |  |  |  | 1 | 1 | 11 | 17 | 28 |  | 2 | 5 | 5 |  | 5 | 11 | 8 | 19 |  |  |  |
| 1862 | 25 | 11 | 6 | 1 | 43 |  |  |  |  |  |  |  |  |  | 18 | 5 | 23 | 3 | 1 | 4 |  |  |  | 4 | 3 | 7 |  |  |  |
| 1863 | 30 | 15 |  | 2 | 47 |  |  |  |  |  |  |  |  |  | 13 | 8 | 21 | 3 |  | 3 | 1 |  | 1 | 11 | 4 | 15 |  |  |  |
| 1864 | 21 | 20 | 2 | 3 | 46 |  |  |  |  |  |  |  |  |  | . | 10 | 19 | 5 | 2 | 7 | 2 | 1 | 3 | 5 | 4 | 9 |  |  |  |
| 1865 | 17 | 20 | 7 | 2 | 49 |  |  |  |  |  |  |  |  |  | 8 | 10 | 18 | 1 | 4 | 5 |  |  | 1 | 4 | 4 | 8 |  |  |  |
| 1866 | 20 | 19 | 1 | 2 | 42 |  |  |  |  |  |  |  |  |  | 12 | 13 | 25 | 1 | 2 | 3 | 1 | 1 | 2 | 3 | 3 | 6 |  |  |  |
| 1867 | 23 | 16 | 2 | 2 | 43 |  |  |  | 1 |  |  | .. |  |  | 8 | 4 | 12 | 3 | 2 | 5 |  | 1 | 1 | 8 |  | 10 |  |  |  |
| 1868 | 35 | 41 | 5 | 5 | 86 |  |  |  |  |  |  |  |  |  | 12 | 7 | 19 | 3 | 3 | 6 | 1 |  | 1 | 12 | 9 | 21 |  |  |  |
| 1869 | 35 | 32 | 6 | . | 79 |  |  |  |  |  |  | 1 |  | 1 | 17 | 16 | 33 | 2 | 1 | 3 |  |  |  | 13 | 7 | 20 |  |  |  |
| 1870 | 32 | 17 | 11 | 10 | 70 |  |  |  |  |  |  | 1 |  | 1 | 20 | 15 | 35 | 4 |  | 4 | 1 | - | 1 | 8 | 4 | 12 |  |  |  |
| 1871 | 29 | 23 | 5 | ) | 66 |  | 1 | 1 |  |  |  |  |  |  | 21 | 19 | 40 | 1 | 2 | 3 |  |  |  | 9 | 2 | 11 |  |  |  |
| 1872 | 34 | 29 | 10 | 4 | 77 | 1 | 4 | 5 | 1 |  | 1 | 3 |  | 3 | 21 | 18 | 39 | 2 | 2 | 4 |  |  |  | 5 | , | 10 |  |  |  |
| 1873 | 28 | 33 | 8 | 5 | 74 | 8 | 11 | 19 | 3 |  | 3 | 2 | 1 | 3 | 15 | 20 | 35 |  |  | 4 |  |  |  | 6 | 1 | 10 |  |  |  |
| 1874 | 26 | 26 | 8 | 7 | 67 | 8 | 3 | 11 | 1 |  | 1 |  | 2 | 4 | 8 | 3 | 11 | 1 |  | 1 |  |  |  | 2 | 2 | 4 |  |  |  |
| Total | 459 | 384 | 76 | 60 | 979 | 17 | 19 | 36 | 6 |  |  | 10 |  | 14 | 227 | 183 | 410 | 49 | 25 |  | 16 | 4 | 20 | 114 | 82 | 196 |  |  |  |

TABLE 5 .



TABLE 7.


TABLE 8

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| :---: | :---: |
| 02 | \| |
| 62 | $\bigcirc$ |
| $\square$ | $\bigcirc$ |
| $\bigcirc$ | 0 |
| H | $\omega$ |
| 02 | $\bigcirc$ |
| 03 | $\stackrel{9}{-1}$ |
| $\bigcirc$ | $\stackrel{1}{-1}$ |
| + | $\bigcirc$ |
| O? | 00 |
| O? | 80 |

TABLE 8.

TABLE 9.


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Intem Injur Over Here Puerp Ill $\mathrm{H}_{\mathrm{c}}$ Sun $S$ Fever Cereb Not st

TABLE 10.
Showing the probable causes, apparent or assigned, of the Disorder. in the Admissions, Discharges and Deaths, of the year 1874.

| causes. | The Admissions | The Discharges. |  | The Deaths. |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Recovered. | $\mathrm{Re}-$ lieved. |  |
|  | m. F. ${ }^{\text {T. }}$ | M. F. | M. ${ }_{\text {F }}$. | . E . т. |
| moral. |  |  |  |  |
| Domestic Trouble | 33 |  |  |  |
| Grief. | 1122 | . . . . | ... |  |
| Fright | 1 1 2 | 112 | . . |  |
| Disappointed Affecti | .. 111 | .. 11 | . |  |
| Desertion. | .. 111 | .. 111 |  |  |
| Religious Excitement. | $2{ }^{2} 315$ | 1.. 1 | $\cdots$ |  |
| Disappointed as to property... physical. | 2 1 3 | $1 . .1$ |  |  |
| Intemperance. | $\begin{array}{llll}5 & 1 & 6\end{array}$ | $2{ }^{2} 18$ | 1. | $1 . .11$ |
| Injury to head | -11 | .. 111 | .. | . . . . |
| Over Exertion | $1 . .1$ | . .. .. |  | . |
| Hereditary | 9 716 | 6410 | 4.. | $3{ }^{3} 14$ |
| Puerperal. | .. 33 | .. | . . . | $\begin{array}{lll}. & 1 & 1\end{array}$ |
| Ill Health | 123 | $\because 3$ . | . | 1.. 1 |
| Sun Stroke | 12 | $1 . .1$ | $\cdots$ |  |
| Fever. | .... | $1 . .1$ | . . |  |
| Cerebro Spinal Disease |  |  |  | 1.11 |
| Not stated. | 12820 | 4711 | 1. | 426 |
| $\cdots$ | $34 \times 33671$ | $171936 \mid$ | 6\|.. 6 | $10.4 \mid 14$ |

From
" 10
" 2
" 30
" 4
" 5
" 6
" 7
" 8
Unkno
$\qquad$
-

The
(

1859
1874.

1859-

TABLE 12.
Alleged Ages of all admitted.

|  | 1874 | $\begin{gathered} 1859 \\ \text { to } \\ 1874 \end{gathered}$ | Total. |
| :---: | :---: | :---: | :---: |
| From 5 to 10 years. |  | 4 | 4 |
| " 10 to 20 " | 6 | 52 | 58 |
| " 20 to 30 " | 12 | 227 | 239 |
| " 30 to 40 " | 15 | 208 | 223 |
| " 40 to 50 " | 9 | 150 | 159 |
| " 50 to 60 " | 6 | 99 | 105 |
| " 60 to 70 " | 2 | 57 | 59 |
| " 70 to 80 " | 1 | 26 | 27 |
| " 80 to 90 " |  | 1 | 1 |
| Unknown | 16 | 88 | 104 |
| Total | 67 | 912 | 979 |

TABLE 13.
Civil Condition of all admitted.

|  | 苞 | $\begin{aligned} & \frac{4}{4} \\ & \frac{0}{0} \\ & \frac{0}{6} \end{aligned}$ | $\overline{3}$ 0 0 0 0 | S |  | 官 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1859-1873 ( Males. | 168 | 232 | 15 | 18 | 68 | 501 |
| 1859-1873 \{ Females. | 154 | 163 | 32 | 9 | 53 | 411 |
| 1874...... $\left\{\begin{array}{l}\text { Males.... } \\ \text { Females. }\end{array}\right.$ | 12 15 | 11 9 | 2 2 | 1 | 8 | 34 33 |
| 1859-1874 $\{$ Males... | 180 | 243 | 17 | 19 | 76 | 535 |
| 1859-1874 Females. | 169 | 172 | 34 | 9 | 60 | 444 |
| Total. | 349 | 415 | 51 | 28 | 136 | 979 |

TABLE 14.
Former Residence (corrected by separation of Re-admissions.


Arch Barris Baker Black
Barbe
Baske
Brew
Book
Brass
Butch
Carpe
Clerks
Office
Cabin
Collie
Coope
Coach
Dress
Engin
Farme
Fisher
Garde
Gentle
Gover
Gold
Groce
Hotel
Hostle
Lumbe
Labor
Mason
Minist
Miller
Merch

TABLE 15.
Former occupation, so far as ascertained.



TABLE 15-(Continued.
Former occupation, so far as ascertained.

Total.

|  |  |  |
| :---: | :---: | :---: |
|  |  |  |
|  |  |  |
|  |  |  |

TABLE 17.
.Maintenance of Patients in Hospital, Dece mber 31st 1874.

|  |  | M. | F. | T. | Insane Population, Census 1871. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | M. |  |  | F. | T. |
| Annapolis County... |  |  | 4 | 7 | 11 | 23 | 22 | 45 |
| Antigonish | 6 | 2 | 2 | 4 | 42 | 30 | 72 |
| Colchester | ${ }^{6}$ | 2 | 5 | 7 | 32 | 36 | 68 |
| Cape Breton | 6 | 11 | 8 | 19 | 39 | 28 | 67 |
| Cumberland | ، | 3 | 3 | 6 | 26 | 18 | 44 |
| Digby | 6 | 1 | 1 | 2 | 40 | 23 | 63 |
| Guysboro' | 6 | 3 | 1 | 4 | 18 | 15 | 33 |
| Halifax | " | 33 | 49 | 82 | 149 | 153 | 302 |
| Hants | 6 | 6 | 7 | 13 | 26 | 39 | 65 |
| Inverness | 6 | 5 | 2 | 7 | 42 | 44 | 86 |
| Kings | " | 3 | 8 | 11 | 40 | 28 | 68 |
| Lunenburg | 6 | 2 | 5 | 7 | 31 | 32 | 63 |
| Pictou | 6 | 14 | 14 | 28 | 48 | 29 | 77 |
| Queens | 6 | 1 | 3 | 4 | 11 | 8 | 19 |
| Richmond | " | 2 | 4 | 6 | 19 | 17 | 36 |
| Shelburne | '6 | 2 | 3 | 5 | 16 | 19 | 35 |
| Victoria | 6 | 4 | . . $\cdot$ | 4 | 24 | 22 | 46 |
| Yarmouth | " | 4 | ... | 4 | 25 | 40 | 65 |
| Province of N | S. | 19 | 13 | 32 | 25 | 40 | 65 |
| Private Patien | ts. | 7 | 10 | 17 |  |  |  |
| Funds. . |  | 1 | 5 | 6 |  |  |  |
| Total . . . . . . . . . 129 |  |  | $15)$ | 279 | 651 | 603 | 1254 |

## COST OF PROVISIONS.




TABLE 19.
Expenditure for labor, as shewn by the Pay Lists, also for Salaries, 1874

January . . . . . . . . . . . . . . . $\$ 550 \quad 12$
February . . . . . . . . . . . . . . . . . 542 77
March...................... . . 56693
Salaries. . . . . . . . . . . . 130000
$\$ 295982$
April ...................... . . 54485
May . . . . . . . . . . . . . . . . . . . 52395
June . . . . . . ............... . . 560 62
Salaries. . . . . . . ...... . 160000
322942
July. . . ...................... 55601
August . . . . . . . . . . . . . . . . . 57125
September ..................... 54607
Salaries . .............. 130000
297333
October ....................... 553 28
November . ................... 56910
December . .................... 58520
Salaries ............... 160000
330758
Total........................... \$12470 15
The annual cost for each patient for 1874, has been as follows. For Food .............................. \$61 03
" House Expenses ................. 51 22
" Salaries and Wages .............. 4486
" Medicines .......................... 131
$\$ \overline{\$ 15842}$
" Repairs and Insurance .......... 2771
\$186 13
Omitting the last item, which includes permanent improvements, the weekly cost per patient has been $\$ 3.04$ for this year, against $\$ 3.07$ in 1873 .

TABLE 20.
Field and Garden Produce, 1874.

| Carrots | 250 bushels. | Beans. | 41 bushels. |
| :---: | :---: | :---: | :---: |
| Carrots.. | 39 " | Peas | 7 |
| Beets .. | 100 | Onions | 14 |
| Turnips | 500 | Tomatoes | $4{ }^{4}$ |
| Radishes | 5 " | Rhubarb. | 80 dozen. |
| Celery . | 30 dozen. | Corn .. | 49 |
| Cabbage |  | Squash | 7 |

Early Potatoes, Cucumbers, Asparagus, Spinach, and Sweet Herbs.

## TABLE 21.

Articles made in the Saving Room, 1874.

| 199 Shirts, | 27 Jackets, |
| :---: | :---: |
| 93 Flannel Shirts, | 28 Colored Skirts, |
| 89 " Drawers, | 222 Cotton Chemises, |
| 30 Cotton " | ${ }_{27} 7$ Flan. S |
| 32 Fleecy Shirts, | 41 Collars, |
| 39 Coats, | 41 Collars, <br> 24 Sacks, |
| 98 pairs Pants, | 76 Mattrass Covers, |
| 37 Vests, | 617 Sheets, |
| 36 Neek Ties, | 462 Pillow Cases, |
| 896 pairs "/ Hose, | 24 " Ticks, |
| 12 " Cotton " | 147 Bolster " |
| 38 ". Mittens, | 352 " Cases, |
| 46 Night Gowns, | 189 Bed Tieks, |
| $2 . "$ Caps, | 120 Quilts, ${ }^{144 \text { Comforts, }}$ |
| 20 Day | 144 Comforts, |
| 95 Aprons, | ${ }^{48}$ Table Cloths, |
| 24 Hoods, | 11 Bread Bags. |
| 89 Dresses, |  |

## TABLE 22.

> Shewing the amounts received from Countics, fre, during the year 1874.

| Annapolis | \$ 102500 |
| :---: | :---: |
| Antigonish | 200000 |
| Cape Breton . . | 250922 |
| Colchester | 200000 |
| Cumberland | 51682 |
| Digby | - . . |
| Guysborough D | 100000 |
| St. Mary's | . |
| Halifax City | . . . |
| Halifax County | 821998 |
| Hants West | 150000 |
| Hants East |  |
| Inverness. | 95000 |
| Kings County | 110000 |
| Lunenburg | 41858 |
| Chester | 21683 |
| Pictou | 717774 |
| Queens | 40000 |
| Richmond | 16115 |
| Shelburne | 18169 |
| Barrington | 31079 |
| Victoria . | . . . |
| Yarmouth . | . . |
| Funds | 64952 |
| Private Patients . . . . . . . . . . . . . . . . . . . . . . . . . . . . . ${ }_{\text {W }}$ (3617 35 |  |
|  | 3396267 |

Provisi

## TABLE 22.-(Continued.)

Expenditure 1874.
Provisions-
Meat. ..... $\$ 426048$
Fish ..... 69046
Flour ..... 339450
Meal ..... 50474
Barley, Rice, Beans and Peas ..... 37651
Tea, Coffee, Chocolate and Broma ..... 106419
Milk ..... 137543
Sugar ..... 109550
Molasses ..... 79344
Butter ..... 142764
Biscuit ..... 16064
Cheese ..... 21075
Apples and Fruit. ..... 20404
Potatoes and Onions ..... 92890
Vinegar and Tobacco ..... 21631
Arrowroot, Sago, Spices, \&ce. ..... 15402 ..... 15402
Salt, Soda, Hops, \&e. ..... 9301
Eggs ..... 1620
House and other Expenses-
Coal and Truckage. ..... 709119
Soap and Potash. ..... г09 59
Starch and Blue ..... 00
Candles and Fluid ..... 32920
Buckets, Brooms and Baskets ..... 9955
Earthenware and Glass ..... 16100
Ironmongery ..... 13380
Tinware and repairs of ditto ..... 21496 ..... 21496
Bedding, Clothing and Furniture ..... 289252 ..... 289252
Boots and Shoes ..... 53050 ..... 53050
Stationery, Advertising, \&c. . ..... 40602
Smith Work ..... 21211
Ferriage, Funeral Expenses, \&c ..... 20155
Stock, Seeds, \&c. ..... 9871 ..... 9871
Hay and Straw ..... 82704 ..... 82704
Oats and Feed. ..... 38790 ..... 38790
Recaptures ..... 2959
Incidentals ..... 8405Carried forward

IP'SS, EXPENDITURE, ETC.

## TABLE 22.--(Continued.)

Expenditure 1874.

Brought forvard........................ $\$ 3120504$
Salaries and Wages-
Commissioners . . . . . . . . . . . . . . . . . \$ 60000
Officers................................ . . . 520000
Pay List ............................. 667015
1247015
Medicines-
Drags . . .......... . ................ . 21913
Wine . . . . ......................... . . 10800
Honey . . . . . . . . . . . . . . . . . . . . . . . $25 \quad 28$
lime Juice .......................... . 500
Extract Beef......................... 825
36616
Repairs, Insurance, \&c.-
Lumber . . . . ....................... . . 26009
Carpenters' Wages .................. 48820
Engineer's Laborer . .................. $\quad 37920$
Hardware, Paints and Oil ........ . . 40268
Repairs............................. . 216538
Berryman Heater . . . . .............. 64904
New 'Steam Coils..................... . 665 . 58
Insurance .. .. ............... . .... 109800
Report ............................. . . 50000
Return Maintenance ............... 5650
Travelling Expense Patients........ 3900
Certificates, \&e. ..................... 14000
Labour at Ice, \&c................... 4400
Ropairs to Boilers . ................. 86016

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intendent.

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## APPENDIX.

## ADMISSION OF PATIENTS.

In order to be benelifted by Hospital treatment, Patients should be placed under care at an early stage of their disease. The Hospital being already filled, admissions are necessarily restricted to cases of recent occurrence, which by law have a preferential claim.

The first step towards the reception of a Patient into Hospital, is to ascertain whether there be a vacancy, by enquiring at the office of the Department of Works, or of the Medical Superintendent. No patient should be sent until this enquiry is made. It will often save disappointment and corpense

A full statement of each case, in answer to questions hereto appended, should be forwarded with the application, giving all the particulars, in as accurate and correct a manner as practicable, with the aid of those best qualifisd to afford the required information.

If the patient can be received, the insanity must be certified by two Medical men, separately, according to a printed form. Atteniion is requested to a joot note on the Blank. Certificate.
Two good suits of clothing, at the least, should be sent with every patient. A third suit for occasional use is very desirable.
Those about to be committed to Hospital should invariably be informed of it bfore leaving home. Everything like deception must be scrupulously avoided. No promise as to the precise time of their return should ever be made. A twelve-month's residence, in every case should be provided for.

If the friends can afford the cost of maintenance, they are required to pay the first quarter's board, fifty dollars ( $\$ 50$ ), in advance, at the office of the Works Department, and an order from that office is required before admission. If unable to pay the customary rate, the friends can petition for a reduction.

Those who have no means of payment, are chargeable to their respective counties, and for this class an order signed by two Justices of the Peace is required.

The Medical Certificates furnish the evidence on which the Justices grant their order. No depositions of witnesses are required, nor is a public investigation called for in any case.

## DISCHARGE OF PATIENTS.

When a patient recovers, the friends are notified, aud upon their application, with the Medical Superintendent's Certificate, the order for discharge is granted by the Department of Works.

If the removal be desired before the patient is restored, and contrary to the advice of the Superintendent, the friends are required, before the order for discharge is granted, to enter into bonds for the safe keeping and proper care of the patient.

In cases of doubtful recovery, it is now customary to grant leave of absence " on trial" for a period varying from one to sis months; if a relapse occur during this probationary period, the patient is at once re-admitted without any new formalities.

## STATEMENT TO BE FORWARDED TO THE MEDICAL SUPERIN TENDENT, WHEN APPLICATION IS MADE FOR THE RECEPTION OF A PATIENT.

1. Name of patient (in full),
2. Where born,
3. Son (or daughter) of,
4. Residence, County of
5. Age, Last Birthday,
6. State as to marriage,
7. Number and Age of Children,
8. Occupation, (or that of Father or Musband),
9. Natural Disposition,
10. Habits, in Health-as to Temperance, etc,
11. Education.
12. Religion.
13. Age at first attack.
14. Insanity, how first manifested.
15. Number and duration of attacks.
16. Where under treatment, and when.
17. What relatives similarly affected.
18. Supposed cause, Remote,
19. ". " Recent,
20. Duration of present attack.
21. State as to sleep,
22. Appetite for food,
23. State of bodily health
24. Whether subject to Epilepsy.
25. Any faltering of Speech, or loss of power,
26. Present habits and propensities.
27. What Delusions.
28. Whether Suicidal (attempted or threatenad), and how,
29. If dangerous to others, how,
30. Pecuniary Circumstances, (or to whom chargeable,
31. Post-office address of nearest friend, and degree of relationship.
32. Other Particulars.

I Certify that to the best of my knowledge the above particulars are correctly stated; and I hereby request you to receive the above named (being within one month from this date), as a person of day of - day a patient into the Noys Scotia Hospital for the person of unsound mind as a patient into the Nova Scotia Hospital for the Insane.

## Name

## Address

Degree of relationship (if any) or other circumstances of connection with the patient.
N. B.--If any of the particulars in this statement be not known, the fact to be stated. No patient to be sent to Hospital until a reply shall have been received to this statement.
(a) Nam
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## CERTIFICATE.

(a) Name in full.

1, the undersigned ${ }^{\text {s }}$
(b) Qualifications.
(c) Locality,
(d) Name in full.
(e) Residence.
(f) Occupation.
being ${ }^{\text {b }}$ .
and in actual practice, hereby certify that $I$, on the day of 18 , at ${ }^{\circ}$ in the County of separately from any other Medical Practitioner, personally examined ${ }^{d}$ of ${ }^{e}$
and that the said is a person of unsound mind, and a proper person to be taken charge of, and detained under care and treatment; and that I have formed this opinion on the following grounds, viz.;

1. Facts indicating insanity observed by myself:*
2. Appearance,
3. Conduct.
4. Conversation.
(g) State the informa- 2. Facts indicating insanity, communicated tion and from whom. to mo by others, ${ }^{g}$

Name
Place of Residence

## Date

N. B.-Two Certificates (dated within one month of the commitment) are required in every case. The second should not be signed by the father, brother, son, or assistant of the Medical Practitioner, who has signed the first certificate.

* The facts upon whieh (from personal observation) the opinion of insanity has been formed should always be specified.


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