

TWENTY-SECOND  
ANNUAL REPORT  
OF THE  
NOVA SCOTIA HOSPITAL FOR INSANE.  
FOR THE YEAR 1879.



HALIFAX, N. S.:  
ROBERT T. MURRAY, QUEEN'S PRINTER.  
1880.

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Movements of  
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Deaths .....  
Moral Treatment  
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MEDICAL SU

TO THE CHAIRMAN

*Gentlemen,—*

I have the honor  
to present to you  
this Institution.

Number of patients  
" " "

Whole number

Daily average ...  
Greatest number ...  
Least " "

Discharged as recovered  
" " improved  
" " stationary  
Died.....

Whole number

Remaining on Register  
Percentage of recovered  
" " "  
Percentage of deaths  
" " "  
" " "



**TWENTY-SECOND ANNUAL REPORT**  
 OF THE  
**MEDICAL SUPERINTENDENT OF THE NOVA SCOTIA**  
**HOSPITAL FOR THE INSANE,**  
**1879.**

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To THE CHAIRMAN AND COMMISSIONERS OF PUBLIC CHARITIES:

*Gentlemen,—*

I have the honor to submit the Annual Report of the operations of this Institution.

Number of patients in Hospital 31st Dec., 1878 .....	362
"    "    received during the year 1879 .....	74
Whole number under treatment.....	436
Daily average .....	370
Greatest number at one time in Hospital (June and Oct.).....	378
Least    "    "    "    "    (Jany.).....	363
Discharged as recovered.....	40
"    "    improved.....	13
"    "    stationary.....	6
Died.....	13
Whole number discharged.....	72
Remaining on Register Dec. 31st, 1879.....	364
Percentage of recovery on admissions.....	54.10
"    "    "    average of previous years..	43.1
Percentage of deaths on daily average.....	3.5
"    "    whole number treated.....	2.7
"    "    of previous years on daily average .....	6.0

ADMISSIONS.

There were 74 admissions of persons, of whom 17 had formerly been inmates—12 once, 3 twice, 1 three times, and 1 four times. Of these 17 re-admissions, (5) five had been discharged as "improved," and (12) twelve as "recovered."

Many applications had to be declined owing to the crowded state of the wards. No application for any recent case has been refused, for such patients will be admitted under any circumstances.

DISCHARGES.

The discharges (72) nearly equalled the admissions (74), but the daily average was (9) nine greater than the last or any previous year.

RECOVERIES.

The recovery rate has been very favorable, (54) per cent. of admissions, the mean of all former years being (43.1) forty-three per cent., last year (55.9) and previous year 51 per cent.

As stated, (40) forty patients (different persons) had left the Hospital so well as to justify the record "recovered," but among these were six who had been discharged as "recovered" in previous years—two of whom were each discharged four times, two twice, two once; making, in the Hospital statistics, fourteen recoveries for these six persons, in addition to their discharges this year. Thirty-four (34) had never before been under treatment.

DEATHS.

The mortality rate (3.5) three and a half per cent. is much below the mean (6) per cent., the rate of last year being 4.4 and the previous year 7.2

On the whole number under treatment it is so low as 2.7, about two and three-fourths per cent.

The "recovery" rate and the death rate are eminently satisfactory, and bear most favorable comparison with those of other Hospitals for Insane.

There were 13 deaths, nine being of men and four of women.

Apoplexy was the cause in.....	4
Paresis " " " .....	3
Phthisis " " " .....	3

And one each from Dysentery, Albuminuria and Suicide.

It is most unsatisfactory to report a death from suicide, but under the best of care this will now and then happen where there are so many so inclined. The facts in this case were as follows :—

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23rd, 1879. Th  
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Manual labor oc  
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and levelling the

No. 1372, a man laboring under Melancholia, was admitted January 23rd, 1879. There was no history of suicidal tendency in the "statement," but every precaution was taken from the known liability of such patients to harbor suicidal fancies. On March 22nd, 1879, he went out in charge of his attendant to walk, with other patients, along a path (which he had travelled every fine day) that leads to the wharf and shore.

One patient was wandering away from the rest, and the attendant went a few paces to bring him back. On returning with the straggler he at once missed No. 1372, and searched in the vicinity of the wharf and shore, but could find no trace of the missing man. The attendant at once reported the "disappearance," saying "it was impossible for the patient to have passed out of sight except by going into the water." The hat was found near the shore soon after.

Careful and continuous "dragging" failed to find anything, until, on 24th March, examination with the "glass" by the divers who came to search, disclosed the body a little distance beyond the wharf. The drag had several times "hooked" it, but the weight was too much to lift by a slight hold.

The "glass" had been used by our searchers, but the stormy weather had rendered its use ineffectual.

A Coroner's inquest was held, and examination showed that there were over fifty pounds weight of stones secured in the pockets of the pants and overcoat, showing a plan and determination on the part of the deceased that could hardly have failed of success.

He had not been seen gathering the stones, and none of the patients who were out with him had seen him disappear, their attention being occupied in watching the attendant bringing back the straggler. One patient said "he saw the deceased go out and sit down on the end of the wharf."

At the inquest it was disclosed that suicide had been more than once attempted, but he had not been caught in the act. This, however, was not mentioned in the "history" given to us.

The fence around the wharf has been improved, and a new and commodious "Airing Court" has been enclosed, so as to do away with the necessity of using the walk along the shore.

This accident was the only serious casualty of the year.

We have to report several cases of *typhoid fever* and blood poisoning from defective water supply and inefficient water closets; but this is being remedied as rapidly as possible, by an assured supply of water and an efficient system of water closet, with proper ventilation. Happily no death resulted from this cause, though three patients were very seriously affected.

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### MORAL TREATMENT.

Manual labor occupies a prominent place, and every facility has been utilized in carrying out this necessity. Work on the farm, garden, shoe-shop, carpenter shop, repairing, ditching, in the boiler house, &c., and levelling the grounds, have been the most available means of

employment for men. There is great need, however, for this to be supplemented.

With the "Airing Court" and Walks, all the patients have, weather permitting, out-of-door air and exercise, no matter how troublesome they may be. Yet this is not enough.

We have many patients who are able to work, but who would run away on every opportunity, and hence cannot be trusted to go out with the men at daily work, and we have not a sufficient number of attendants to keep proper care and watch over them if thus employed.

In winter it is still more difficult to find occupation, and our recovery rate is thus proportionately lessened.

In other words, there are too many patients who, though in good physical health, have to spend day after day in doing nothing except some "ward work" and an "outing" if the weather be fine, and this for an indefinite time.

The majority show no inclination for work or occupation, yet we know that the influence of example and association is very strong, and if some means could be devised that would, while preventing their escape, keep them in the society of others who are at work, the "listless indifference" would gradually give place to an attempt at some occupation.

This is well illustrated by the "shoe-shop," the room in the basement is comfortable, well lighted and secure, and gives occupation to several patients, some of whom would "be off" at once if otherwise situated, and who, prior to the establishment of the shoe-shop (the past year), passed all their time doing nothing. They now lessen the expense of the Institution, are cheerful, enjoy good health, and are in every way better. Besides, this shop has been the route by which patients have passed to *sanity* and freedom.

The difficulty to be solved is not the fitting up of a convenient room, for there are unoccupied corridors, but the devising of a proper system of labor, which should be varied as well as interesting.

Picking oakum, or any monotonous labor, is a variety that does not appeal strongly to the intellect. Mattress making does, and can, occupy several, but something else is needed.

It would not be "novel" to institute an "amateur workshop," containing simple tools—the file, saw, plane, hammer, turning lathe, &c.—that the patients could use in making anything that they wished. The majority of persons have, more or less, a taste for mechanical pursuits in some direction, and facilities for gratifying anything of this kind would tend to develop ideas which would appeal to their reason and occupy their minds, to the exclusion or displacement of those delusional fancies which, though unexpressed, yet absorb the attention of the *insane*, and which medication or ordinary hospital care cannot easily reach. Amusements, &c., are very good, are much depended on, and great attention is everywhere paid to this department, but more is wanted. Some new ideas need to be brought out that will engross the patient's thoughts and lift his mind out of the mirey channel in which it is apt to flounder.

With sufficient attention, there need be no risk in trusting tools in the hands of a very great number, for the *cases* should be selected.

On the Female side this difficulty does not obtain, because there are

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so many forms of indoor occupation that furnish labor, employ the time, or appeal to the tastes of the inmates.

The Sewing Room and the Wards are always tenanted by busy occupants.

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### WALKING OUT.

The patients in every Ward, on every suitable day, are taken out either to work or to walk in the grounds. Those managed with difficulty are taken out to the "Airing Court."

We have had an exceptionally small number of escapes this past year, and each was promptly returned, which speaks well for the watchfulness and care of the attendants. Very excitable patients are taken out singly.

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### AMUSEMENTS.

A regular evening is set apart for dancing, as this has the greatest charm for the greatest number. Although only a percentage indulge in "Quadrilles," "Lancers," &c., all enjoy the music, hilarity and refreshment.

The Superintendent, or Assistant, and Supervisors are always present, and the attendants make their pleasure subservient to that of the patients.

Through the kindness of friends we have been favored with several varieties of amusement, detailed under the head of "Acknowledgments."

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### REPAIRS, ALTERATIONS, &c.

The work of improvement is steadily progressing, and a very large share of this year's expenses has been absorbed in these undertakings.

**WATER.**—Our supply was totally inadequate—so much so that we had a "water famine" for a great part of the year, and very often were without any at all.

On the advice of the Provincial Engineer, the first 500 feet of old "six inch" pipe, leading from the lake to the "declivity," was replaced by "nine inch" pipe. This increased the supply, but had not much effect on the quantity delivered to the tanks in the Attic, from which the house supply is obtained.

The arrangement of pipes leading from the ground to the "tanks" was faulty, and over 100 feet of large new pipe is being put up instead, which, so far, gives hope of satisfactory results from the "gravitation" supply.

**FIRE PROTECTION.**—We never have had proper facilities, but will soon have everything to be desired. A very large and powerful "Holly" rotary pump is now on the way, which will be driven by the large engine, and will suffice, in case of failure of the gravitation supply, to keep the tanks full.

It will be so arranged, for "fire protection" as to give "power" and "quantity" of water to a complete system of fire hydrants both within and without the building. About 500 feet of six inch pipe is already laid down, and four "single" *inside* and two "double" *outside* hydrants are in place with facilities for extending in each direction as soon as spring opens.

ATTICS.—The "attics" have been all sub-divided by brick partitions into small compartments so that in case of fire its spread will be much delayed, a small doorway only has been left in each partition—which opening is always shut by a self-closing door.

STEAM SUPPLY.—The old "small steam supply pipe" for the north wing has been replaced by one of "four inches" preparatory to further improvements.

PAINTING, &c.—A painter with assistant (a patient) is steadily employed continuing the renewal of the paint on the outside, and in inclement weather painting and whitewashing the interior.

All the female corridors have been carefully cleaned and whitewashed, and in six the walls have been tinted, which not only adds greatly to the appearance but relieves the "glare" and "tiresomeness" of continuous white walls. The bedrooms are being renovated.

On the male side the attendants have done the most of the interior whitewashing and painting, and in M. 4 the work of the attendant made it among the finest in the building.

SHOE SHOP.—This shop has been about a year in operation, and has been successful, not only in furnishing employment for the patients, and very greatly benefiting them, but financially is satisfactory.

AIRING COURT.—A large area of ground had been cleared, and is now enclosed; its use is to give more freedom, with safety, to those patients who are disposed to wander or run away. There is a grove within its area that adds much to its appearance as well as use.

CHIMNEY.—The "main chimney" top, which contained a great weight of iron, became much corroded, and a portion fell, but without doing much damage.

On examination it was found necessary to remove thirty feet from the top, which was done, and this was replaced by a plain but substantial "shaft." All the "joints" which had been corroded by the weather were "re-pointed" and the structure is now in perfect condition.

WATER TANK.—The tank for returned "condensed water" was worn out, and another much larger and better, of cast iron, has been obtained by taking down and fitting up one that previously served as a reservoir of supply, but that had not been required for years.

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## CARE OF THE INSANE.

This subject is one that has only been partially solved in this Province. In *last year's report* it was freely discussed, and we have nothing to add to or take from the suggestions there given, so that there is no occasion for its repetition here. I would refer to "Annual Report" for 1878, pages 6 to 17, inclusive.

## RECOMMENDATIONS.

**VENTILATION.**—It is necessary to construct three additional "shafts" for ventilation, similar to the one put up last year in the *south wing*.

The water-closet system requires to be changed in a similar way to that effected in "M. 3" and "M. 4" wards, which gives an additional single room to each ward while making better facilities for bath room and W. C. service.

**HALLS IN CENTRE BUILDING.**—It is necessary to put some additional support under the floors of each of the four halls, as they are much deflected from their correct position, and the walls supporting the main roof and heavy water tanks as well as these floors are unduly strained.

**WASH HOUSE AND LAUNDRY.**—More extended accommodation is necessary in this department, for the present limited space is totally inadequate for the work that must be performed.

**COAL SHEDS.**—Additional room is necessary for the storage of coal, for much of it must at present be "piled up" outside, to its injury by rain and snow.

**HOT WATER.**—Our present method of warming water for use in the wards is very costly and inefficient, and a more modern system should be instituted. The roof of the centre building is now badly injured— from the continuous steam and moisture.

**ALCOVES.**—I would recommend that the present sitting rooms be converted into bedrooms and a single bedroom in the centre of each ward be opened to its full width into the Hall or Corridor, to serve as a sitting room, and to throw additional light and air into the centre of these long halls, which are now very dark where all the bedroom doors are closed, as they must be, during the daytime; the only light then obtained is from the windows at each end.

We would thus be able to get seven additional beds in each of twelve wards, or 84 beds.

There would also be facility for making two single rooms in each of six wards, or 12 single rooms also additional.

The change in the water closet system would give 19 single rooms.

The accommodation for patients would thus be increased by (115)

one hundred and fifteen beds, and this without interfering with the comfort or convenience of the Hospital.

This subject was more referred to in details in quarterly report of June 30th, 1879.

**CHAIRS**—We want additional chairs, and they should be of the pattern obtained during the past year.

**BEDSTEADS**.—We are in need of two dozen additional for the Wards.

**MATTRESSES**.—I would recommend that we get a number of "woven wire" mattresses, at least for the uncleanly. Experience shows that this variety of mattress is superior to every other on the score of health, comfort and cost, but for filthy patients their advantages are unequalled by any other form.

**NIGHT NURSE FOR MALE WARDS**.—I would recommend that a night attendant for the "Male Wards" be engaged, with precisely similar duties to those which are performed by the Night Nurse who is on duty in the "Female Wards." The "Watchman," who now does this duty, has to do all the outside supervision as well as the inside care of the sick, and it is more than one person can perform efficiently.

**ISOLATING WARDS**.—I would recommend that convenience be made for removing patients to a distance who, from the following causes, interfere with the welfare of the others: Typhoid Fever (of which we have had several cases), Measles (we had one case among domestics), or any infectious malady which may at any time break out, from causes over which we have no control.

Again, we have at times some patients on both sides of the house who are so noisy at night that they disturb the rest of all in the ward for the greater part of the night; and there are cases of other kinds that at times need to be separated from other patients, to accommodate any of which we have no means at present at our command.

There need be no occasion to go to great expense in "building," as but few require to be thus separated.

**LIBRARY**.—Our Library is very small, and the few volumes have been read over again and again. I trust you will see your way to have an addition made to it, either by special grant or by making use of the "Bell Fund."

**TELEPHONE**.—It is most desirable that we be placed in communication with either the Dartmouth or Halifax telegraph offices, for the difficulty in receiving, as well as sending, messages imposes not only double the cost, but as well great delay and uncertainty, which the Telephone would obviate.

The more recent extension of this system, which is now being instituted in Halifax, would be of very great additional utility.

**BASEMENT CORRIDORS**.—It is desirable, for greater safety from fire,

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that a rough coat of plaster be put on the ceilings of all these corridors, especially the hot-air chambers, to protect the dry wood work from exposure to flame or sparks.

**LINEN ROOMS.**—There is the greatest necessity for an efficient system of reception and distribution of the "linen," coming from and going to the wards.

### IMPROVEMENTS.

During the past year much has been done towards putting this Institution into thorough working condition. Mention has been made of the means being carried out, which will ensure a plentiful *water supply* and adequate *fire protection*, by a *power pump, hydrant, subdivision of the attics, &c.*; of the painting and renovating of the wards and the outside of the building; of the substitution of new and large steam mains in the North Wing; of the Airing Court for Male patients; of a new ventilating shaft and improved water closets; of renewal of the main chimney; of the shoe-shop, &c.

**DAILY RECORD.**—That system of keeping a daily record of the condition, treatment and employment of every patient in the building has been adopted which seems to work best in other Institutions—the "ward book" system being less precise and more difficult of reference than is desirable.

**SPEAKING TUBES.**—These have been put up between the office and wards on either side, which work very well for the nearer six "Male Wards," but on the Female side it has, so far, been found difficult to attune the female voice to the restricted area of the "speaking tube."

This was put up without incurring expense, by using old "inch tubing" that had finished its usefulness as "steam piping."

A very large amount of work has been done on the face of the hill on the water front, which will take the whole of the ensuing summer to complete.

The road for the cartage of coal, &c., has been much improved and the "gradients" much lessened.

Two pieces of rough land have been cleared and brought under cultivation. These works have given employment to all the patients able to do such labor.

A very long "gap" in the hedges has been filled, and preparation made for a Spruce hedge along the front of the "Court."

A lot of "physical apparatus" (for lecture illustration), has been obtained, and the whole placed in a neat case in the board room. Its use will serve to break the monotony of Asylum residence.

At the close of last year we submitted a pattern of chair for use in the wards, which received your commendation, and fifty were ordered and obtained. They have, after nearly a year of service, given perfect

satisfaction, for not one, so far, has been broken or injured, though subject to the roughest treatment.

A number of mattresses and rocking chairs have been made, and are in use.

**ROCKERS.**—We have had two made that can be used outside in summer and inside the wards in winter. Each will accommodate two or four persons. They are not only a means of exercise, but in the "excited wards" (Female) are in constant use, thus giving harmless occupation to those who are most apt to use their energy in quarrelling or destructiveness.

**SWING.**—We have had a form of swing erected that will accommodate two or four persons, and outside aid is not required to start, to stop, or keep it in motion (so-called *self-acting*). It is a source of great pleasure and amusement, as well as a mild form of exercise for female patients. Its motion is horizontal, and it does not rise much above the ground.

**RUBBER SHEETS, SPITTOONS, and CHAMBERS** had been found unsatisfactory, not only as regards cost and facility for purchase, but they were not durable, being easily damaged.

In lieu of the "sheets" we have had strong sheets made of light cotton duck, which were painted and oiled so as to fill all the "pores," and then varnished with "Japan" on both sides. We find that they are stronger, and not as liable to cracks and scaling, while quite as impervious as rubber. They are less costly, and when injured from use are made good again by a thorough washing, followed by a fresh coat of "Japan."

**SPITTOONS AND CHAMBERS.**—We did have difficulty with these appliances, those of "crockerware" being continually broken, and hence costly, but a greater evil was their use as weapons of offence.

For nearly a year we have been using in their places, a substitute made out of the strongest cotton canvas, double thickness, with a "No. 6 B. W. G. Copper wire" placed between the folds at the edge which forms the "rim" and well stitched all round. A bottom of similar thickness and material is sewed in so as to leave a projection which forms the support and keeps the bottom from resting on the floor. The two thicknesses are then thoroughly stitched together, so as to give sufficient stiffness in the sides and bottom. They are then soaked in "boiled oil" for a week or more until the material is thoroughly saturated, and the pores filled, they are then allowed to drain, then put away in a warm place until the oil has dried and hardened. When ready they are painted in any desirable colour, and when dry, are ready for use. The "wire rim" and canvas edge at the bottom are very flexible, so that a blow can do no injury either to the utensil or the object which is struck, and when knocked out of shape is easily bent back again. They are not a success as weapons of offence, but wear well; are not costly and perfectly fulfil their purpose. After long use they can be re-painted, and are as good as new. Their strength has so far resisted all efforts at destruction.

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**BEDSTEADS.**—We find that a low bed, with a railing round it to prevent the clothes from being thrown off or the patients themselves from falling out, is of indispensable service for a great many; in fact a large child's crib for the old, the weakly, and the epileptic, in which they may lie down or sit up, or take any position they wish.

**BEDS FOR PARALYTICS.**—The foregoing variety is very serviceable, but for this special class, one side is made removable, so as to facilitate their cleaning, changing or bathing, without overtaxing the strength of attendants in lifting, or in so doing hurting these helpless ones. The same principle, differently carried out, that is recommended by Dr. Lindsay of "Murray Royal Institution," Perth Scotland.

**STRONG SUITS.**—Through the ability and willingness of a patient, we have had a number of very superior suits made, which enable us to keep destructive patients warm and covered, without being forced to resort to positive means of restraint. The same patient does the most of the cutting and sewing of the canvas "material."

**COMMODOES.**—We have had "commodes" or "closets" placed in rooms for the "unclean," which being fixtures and controlled by lock and key, their illegitimate use is altogether prevented.

**WINDOW GUARDS.**—The best form of defence for windows in case of violent patients, is a close, strong, galvanized wire netting, the mesh being three-eighths of an inch and wire No. 11 or 12. We have had a number put in place, and the improvement is still progressing.

Except making the *chairs, bedsteads* and *water alterations*, the work just specified has been done by patients and inmates, at no cost but that of "raw material."

## EXPENDITURE.

The cost for repairs has been very high this year, as well as last, and yet much requires to be done before we can reach such a point as will include the whole annual expenditure, and yet fall within the mark which is attainable without curtailment of comfort, convenience or efficiency.

For details see Table 22.	1878	1879	Per Patient.
Repairs (ordinary) &c.....	\$ 4463 93	\$ 4925 33	\$ 13 31
Extraordinary expenditure.....	4765 97	6181 62	16 70
Total .....	9229 90	11106 95	30 01

The ordinary repairs, insurance, etc., amounts to \$4,925.33, a very much larger sum than should be required to keep everything in proper order if in good repair to start with; but in addition there have been \$6,181.62 for extraordinary expenditure (Table 22), amounting to over eleven thousand (\$11,106.95) dollars or thirty (\$30) dollars per patient, being twenty-four (23.9) per cent. of the cost of maintenance. This should be reduced to from four to five per cent. when everything is in repair to begin with; a point we are trying to reach as rapidly as possible.

The cost for maintenance is little lower than last year, calculated per patient; and the position we have reached is as low as is compatible with efficiency until we have a larger and better farm, which will enable the work of the patients to be directly utilized in their own support.

The subjoined table gives the comparative expenditure for maintenance for the past seven years:—

Cost per Patient.	1872	1873	1874	1876	1877	1878	1879
Provisions.....	\$55 77	\$55 15	\$54 46	\$52 18	\$54 06		
Milk, &c.....	5 31	4 30	6 57	6 26	4 56		
Food.....	61 08	59 45	61 03	58 44	68 62	\$50 35	\$48 03
House Expenses.....	54 94	52 05	51 22	48 21	39 18	37 33	37 47
Salaries and Wages ..	45 04	46 88	44 86	41 47	40 35	38 62	36 49
Medicines.....	1 15	1 34	1 31	0 80	1 11	0 92	1 16
Totals.....	162 21	159 72	158 42	148 92	139 26	127 22	125 15
Per week.....	3 12	3 07	3 04	2 86	2 67	2 44	2 47

Our expense per patient compares very favorably with the other institutions in the Dominion. In the United States the rates have always been very much higher, as a rule, than they are in the Provinces.

The total expenditure for all purposes, 1878, was \$55,163; for 1879, was 57,424; an increase of \$2,261; the difference expended in repairs, \$1,877; so that our maintenance for a greater number of patients only amounted to \$384 more than last year. If the number of patients were included, there were \$2 less expended on each: making for the ordinary work of the institution a very satisfactory exhibit.

#### ACKNOWLEDGMENTS.

It is a pleasant duty to return thanks for the favors we have received.

The Rev. P. M. Morrison has officiated the first Sunday of every month, and Archdeacon Gilpin the second.

We have also been favored by the Rev. Messrs. Burns, Laing,

Forrest, Simps  
Mellish, Tyler,

Rev. Canon  
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Forrest, Simpson, McGregor, Angwin, Lowden, Hartz, Dunn, Evans, Mellish, Tyler, and Principal Ross.

Rev. Canon Woods, P. P., and Rev. J. Bell, have frequently ministered to the sick and dying.

We are under many obligations to Miss Adams, of Dartmouth, who presides every Sunday at the organ, and at evening entertainments when requested.

We have had two concerts from the "Halifax Quintette Club," under the leadership of Prof. Porter.

J. Godfrey Smith and friends, of Halifax, have furnished most agreeable entertainments.

The "North End Amateur String Band" have frequently given us most enjoyable music.

The "Reform Club" favored us with two entertainments "in character."

Our late housekeeper, Mrs. R. D. Dickson, donated a "Collard & Collard" (Concert Grand) Piano for the amusement of the patients; a gift not only of great value, but most appropriate, which will endear her memory even to those who had not the pleasure of her acquaintance.

We had the *unusual* donation of \$10 to the amusement fund from a gentleman, a stranger, who does not desire his name to be mentioned. (Mr. H. — Baddeck.)

The Book and Tract Society has kindly contributed packets of illustrated papers.

Mrs. Montagu has kindly sent Australian and English papers.

The Directors of the Halifax Steamboat Co. and their obliging agent, Capt. MacKenzie, have as usual placed us under obligations for a harbor excursion in the str. "Miac" last summer.

The Managing Committee of the Provincial Exhibition made arrangements by which a large number of our patients were able to visit the Exhibition without being incommoded by crowding.

Mr. Geo. G. Dustan and friends gave us a very enjoyable concert.

The Rev. Mr. Forrest gave us a very fine selection of views in a Magic Lantern entertainment.

The "Boston Pinafore Company" gave a most agreeable drawing room selection of music, dancing, &c.

My thanks are also due to the Asst. Physician and Bursar for aid in preparing the "tables" which accompany this "report."

Our thanks are likewise due to members of our staff for music at the evening entertainments.

The Press have been very kind in their distribution of favors, which are more highly prized than any form of literature. In addition, the Halifax daily papers have given us bundles of "exchanges," for which they receive the thanks of the household.

Commissioners Nisbet and Dunbar are mindful in furnishing papers and magazines.

The following papers, furnished gratuitously, are regularly received:

"Advance," (Liverpool.)

"Acadian Recorder," (tri-weekly.)

"Cape Breton Advocate," (Sydney.)

"Christian Messenger."  
 "Colchester Sun," (Truro.)  
 "Colonial Standard," (Pictou.)  
 "Eastern Chronicle," (New Glasgow.)  
 "Halifax Reporter and Times."  
 "Journal of Agriculture."  
 "Morning Chronicle," (daily.)  
 "Morning Herald," (daily.)  
 "North Sydney Herald," (Cape Breton.)  
 "Summerside Progress," (P. E. Island.)  
 "Weekly Journal," (Annapolis.)  
 "Weekly Monitor," (Bridgetown.)  
 "Windsor Mail."

#### THE PAST YEAR.

It is a mournful duty to report the death of an official, and much more so one who by general acts of kindness had endeared herself to all.

The late housekeeper, Mrs. R. D. Dickson, had been a member of the staff of this hospital from its inception, and devoted her best energies to render her department successful, and her parting gift will keep her in continual remembrance.

I would express my obligations to my co-workers in this institution; the *Engineer*, *Bursar*, *Supervisors* and lately appointed *Housekeeper*, do their utmost to secure success.

The attendants and other employees do their best to care for their "charges." There have been several changes, as must be expected, but only one dismissal for unkindness to patients. There were three dismissals for inattention to the regulations.

The Assistant Physician gives energy and ability to the performance of his many duties, and justly enjoys the personal and professional esteem of those with whom he is associated.

To you, gentlemen, my thanks are due for the care, attention and labor you have given this institution, as well as your efforts to favor the harmonious co-operation of all concerned.

On you rests the responsibility of the management of this the largest of our Provincial Charities, and it is to me a source of the greatest pleasure to feel that our duties have been performed so harmoniously, for without mutual aid and confidence our efforts would fail of the success we earnestly desire.

A. P. REID,

*Medical Superintendent.*

Nova Scotia Hospital for Insane, }  
 January 1st, 1880.

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STATISTICAL TABLES.

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## LIST OF TABLES, &c.

### MEDICO-PSYCHOLOGICAL ASSOCIATION TABLES.

- Table 1. The Admissions, Re-Admissions, Discharges and Deaths,  
for the year 1879.  
" 2. The Admissions, Re-Admissions, Discharges and Deaths,  
from opening of the Hospital.  
" 3. Mean Annual Mortality, and Proportion of Recoveries.  
" 4. History of Annual Admissions.  
" 5. Causes of Death.  
" 6. Length of Residence.  
" 7. Duration of Disorder on Admission.  
" 8. Ages on Admission and Discharge.  
" 9. Civil Condition.  
" 10. Assigned Causes of Insanity.

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- " 11. Monthly Admissions.  
" 12. Alleged Ages, &c.  
" 13. Civil Condition.  
" 14. Former Residence.  
" 15. Former Occupation.  
" 16. Re-Admissions.  
" 17. County, Provincial, and Private Patients.  
" 18. Garden Produce.  
" 19. Articles made by Patients.  
" 20. Expenditure for Labor.  
" 21. Income.  
" 22. Expenditure.

### APPENDIX.

Admission of Patients.  
Form of Certificate.  
Statement on Application.

**TABLE I.**  
*Showing the Admissions, Re-Admissions, Discharges, and Deaths for the year 1879,*

	Males.			Females.			Total.
	M.	F.	T.	M.	F.	T.	
In Hospital 1st January, 1879.....				183	179		362
Admitted for the first time during the year.....	27	30	57				
Re-admitted during the year.....	9	8	17				
Total admitted.....							
Total under care during the year.....				36	38		74
				219	217		436
DISCHARGED OR REMOVED.							
Recovered.....	23	17	40				
Relieved.....	9	4	13				
Not improved.....	2	4	6				
Died.....	9	4	13				
Total discharged and died during the year.....				43	29		72
Remaining in Hospital December 31st, 1879.....				176	188		364
Average number during the year.....				183.7	186.8		370.-

**TABLE II.**  
*Showing the Admissions, Re-admissions, Discharges, and Deaths, from the opening of the Hospital to the present date, December 31st, 1879.*

	Males.	Females.	Total.

Number during the year..... 183.7 186.8 370.-

**TABLE II.**  
*Showing the Admissions, Re-admissions, Discharges, and Deaths, from the opening of the Hospital to the present date, December 31st, 1879.*

	DISCHARGED OR REMOVED.			Males.	Females.	Total.
	M.	F.	T.			
Persons admitted during the period of twenty-one years.....				667	560	1227
Re-admissions.....				122	93	215
Total of cases admitted.....				789	652	1442
	M.	F.	T.			
Recovered.....	342	295	637			
Relieved.....	75	41	116			
Not improved.....	21	9	30			
Died.....	175	120	295	613	465	1078
Remaining December 21st, 1879.....				176	188	364

  

	Summary of Total Admissions, 1859 to 1879.		Both Sexes.	
	Males.	Females.	Males.	Females.
Per Centage of Cases Recovered.....	43.36	48.15	44.17	
Relieved.....	9.50	6.29	8.04	
Not improved.....	2.79	1.38	2.16	
Died.....	22.05	18.37	20.40	
Remaining.....	22.30	28.78	25.23	
Total.....	100.00	100.00	100.00	
Mean Annual Mortality—1859 to 1879.....	7.6	5.2	6.-	









**TABLE VI.**

*Showing the length of Residence of those Discharged, Recovered, and those who have Died, in the year 1879.*

LENGTH OF RESIDENCE.	RECOVERED.			DIED.		
	M.	F.	T.	M.	F.	T.
From one to three months.....	2	3	5	1	...	1
" three to six months.....	6	1	7	1	1	2
" six to nine months.....	5	4	9	1	...	1
" nine to twelve months.....	4	3	7	...	...	...
" one to two years.....	1	2	3	2	2	4
" two to three years.....	3	1	4	1	...	1
" three to five years.....	1	1	2	...	1	1
" five to seven years.....	1	...	1	2	...	...
" seven to fifteen years.....	...	2	2	...	...	2
" fifteen to eighteen years.....	...	...	...	...	...	...
Over eighteen years.....	...	...	...	1	...	1
Total.....	23	17	40	9	4	13
Average residence since last admission {	Y.	M.	D.	Y.	M.	D.
Males.....	2	7	3	4	10	29
Females.....	1	10	2	1	11	22

**TABLE VII.**

*Showing the duration of the Disorder on Admission, of the Admissions, Discharges and Deaths, in the year 1879.*

Duration of Disease, &c., in Four Classes.		The Discharges.



**TABLE VII.**  
*Showing the duration of the Disorder on Admission, of the Admissions, Discharges and Deaths, in the year 1879.*

CLASS.	Duration of Disease, &c., in Four Classes.											
	The Admissions.			The Discharges.						The Deaths.		
	Recovered.			Removed, Relieved otherwise.			The Deaths.					
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
FIRST CLASS.												
First attack, and within three months of admission.....	14	17	31	6	12	18	4	1	5	2	2	4
SECOND CLASS.												
First attack, above three and within twelve months of admission.....	4	6	10	3	.....	3	1	3	4	1	1	2
THIRD CLASS.												
Not first attack, and within twelve months of admission....	3	1	4	4	2	6	3	1	4	2	.....	2
FOURTH CLASS.												
First attack or not, but of more than twelve months of admission.....	15	14	29	10	3	13	3	3	6	4	1	5
Total.....	36	38	74	23	17	40	11	8	19	9	4	13

**TABLE VIII.**

*Showing the Ages of the Admissions, Discharges and Deaths during the year 1879.*

AGES.	THE ADMISSIONS.			THE DISCHARGES.						THE DEATHS.		
	M.	F.	T.	Recovered.			Removed, Relieved or otherwise.			M.	F.	T.
				M.	F.	T.	M.	F.	T.			
From 15 to 20 years .....	3	5	8	1	3	4	.....	.....	.....	0	.....	.....
" 20 to 30 " .....	13	14	27	9	5	14	5	3	8	0	.....	.....
" 30 to 40 " .....	7	6	13	4	4	8	2	.....	2	6	.....	6
" 40 to 50 " .....	5	5	10	2	3	5	0	2	2	0	.....	3
" 50 to 60 " .....	5	5	10	4	1	5	3	1	4	2	.....	3
" 60 to 70 " .....	3	3	6	2	1	3	1	1	2	1	.....	1
" 80 to 90 " .....	.....	.....	.....	1	.....	1	.....	1	1	.....	.....	.....
Total.....	36	38	74	23	17	40	11	8	19	9	4	13

**TABLE IX.**

*Condition as to Marriage in the Admissions, Discharges and Deaths during the year 1879.*

**TABLE IX.**  
*Condition as to Marriage in the Admissions, Discharges and Deaths during the year 1879.*

	THE ADMISSIONS.			THE DISCHARGES.						THE DEATHS.		
	M.	F.	T.	Recovered.			Removed, Relieved or otherwise.			M.	F.	T.
				M.	F.	T.	M.	F.	T.			
Single.....	22	23	45	13	8	21	6	3	9	5	2	7
Married.....	11	11	22	8	8	16	5	4	9	4	2	6
Widowed.....	3	4	7	2	1	3	.....	1	1	.....	.....	.....
Total.....	36	38	74	23	17	40	11	8	19	9	4	13

**TABLE X.**

*Showing the wroable causes, apparent or assigned, of the Disorder, in the Admissions, Discharges and Deaths of the year 1879.*

CAUSE.	The Admissions.			The Discharges.						The Deaths.			Not Improved.		
				Recovered			Relieved.								
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
<b>MORAL.</b>															
Religious Excitement.....	2	1	3	1			1		1						
Fright .....	1		1				1		1						
Failure in Business.....	1	1	2	2						2		2	1	1	
Domestic Trouble.....		4	4	1						1		1		1	1
Disappointment.....		2	2		1					1		1			
Grief.....					1	1		1	1		1	1			
Anxiety.....	2		2												
Nostalgia.....				1											
<b>PHYSICAL.</b>															
Hereditary Predisposition.....	7	8	15	6	2		2		2				1		1
Intemperance.....	2		2	3	1		1		1						
Overstudy.....							1		1						
Injury.....	3		3							1		1		1	1
Onanism.....	3		3							1		1			
Epilepsy.....	1	1	2	2											
Sunstroke.....										1		1			
Ill-health.....	1	1	2												
Fever.....					1										
Poison.....															
Puerperal.....		6	6		6	6		2	2						
Climacteric.....															
Unknown and re-admission..	12	12	24	6	5	11	3	1	4	2	3	5	1	1	2
Paralysis.....	1		1	1											
Congenital.....		2	2												
Total.....	36	38	74	23	17	18	9	4	13	9	4	13	2	4	6

TABLE XI.  
From January 1859 to December 31st, 1879.

TABLE XI.  
*Monthly Admissions and Discharges from January 1859 to December 31st, 1879.*

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Males.	Females.	Total.
1859 to 1878.															
Admitted .....	98	86	85	111	121	148	138	118	133	104	120	106	753	615	1368
Discharged .....	55	43	62	83	88	79	91	112	79	96	86	134	570	436	1006
1878.															
Admitted .....	4	4	6	8	13	6	7	2	9	8	6	1	36	38	74
Discharged .....	1	....	6	5	12	2	10	10	2	3	11	10	43	29	72
Remaining .....	365	369	369	372	373	377	374	366	373	378	373	364	176	188	364

**TABLE XII.**

*Alleged Ages of all Admitted.*

	1879	1859 to 1878	Total.
From 5 to 10 years.....		4	4
" 10 to 20 ".....	8	83	91
" 20 to 30 ".....	27	365	392
" 30 to 40 ".....	13	319	332
" 40 to 50 ".....	10	212	222
" 50 to 60 ".....	10	150	160
" 60 to 70 ".....	6	79	85
" 70 to 80 ".....		30	30
" 80 to 90 ".....		1	1
Unknown.....		125	125
<b>Total.....</b>	<b>74</b>	<b>1368</b>	<b>1442</b>

**TABLE XIII.**

*Civil Condition of all Admitted.*

	Married.	Single.	Widowed.	Unknown.	Re-admitted.	Total.
1859 - 1878 { Males.....	235	364	21	20	113	753
{ Females.....	243	233	44	10	85	615
1879..... { Males.....	8	17	2	.....	9	36
{ Females.....	8	20	2	.....	8	38
<b>Total.....</b>	<b>494</b>	<b>634</b>	<b>69</b>	<b>30</b>	<b>215</b>	<b>1442</b>

*Former Resid*

Halifax City and  
Colchester Cour  
Cumberland "  
Pictou "  
Antigonish "  
Guysboro "  
Inverness "  
Richmond "  
Victoria "  
Cape Breton "  
Hants "  
Kings "  
Annapolis "  
Digby "  
Yarmouth "  
Shelburne "  
Queens "  
Lunenburg "  
Newfoundland  
New Brunswick  
P. E. Island..  
Barbadoes and  
United States.  
England.....  
Ireland.....  
Scotland.....  
Germany....  
Norway.....  
Sweden.....  
India.....  
H. M. Service  
Unknown...

TABLE XIV.

*Former Residence (corrected by separation of Re-Admissions.)*

	1879.		1859-78.		Total 1859-78.	Population 1871.
	Admissions.	Re-Admissions.	Admissions.	Re-Admissions.		
Halifax City and County.....	21	5	392	80	498	66953
Colchester County.....	4	.....	87	17	108	23231
Cumberland ".....	1	2	46	9	58	23518
Pictou ".....	7	6	125	30	168	32114
Antigonish ".....	1	.....	23	4	28	16512
Guysboro ".....	1	.....	36	3	40	16555
Inverness ".....	1	.....	20	1	22	23415
Richmond ".....	2	.....	14	1	17	14268
Victoria ".....	.....	.....	18	1	19	11346
Cape Breton ".....	1	.....	64	12	77	26454
Hants ".....	4	.....	64	14	82	21302
Kings ".....	4	1	66	11	82	21509
Annapolis ".....	2	1	41	3	47	18121
Digby ".....	2	.....	10	2	14	17037
Yarmouth ".....	.....	.....	19	1	17	18550
Shelburne ".....	1	.....	9	1	11	12417
Queens ".....	.....	.....	20	3	23	10554
Lunenburg ".....	5	2	40	5	52	23884
Newfoundland.....	.....	.....	3	.....	3	.....
New Brunswick.....	.....	.....	11	.....	11	.....
P. E. Island.....	.....	.....	2	.....	2	.....
Barbadoes and St. Thomas.....	.....	.....	2	.....	2	.....
United States.....	.....	.....	16	.....	16	.....
England.....	.....	.....	2	.....	2	.....
Ireland.....	.....	.....	7	.....	7	.....
Scotland.....	.....	.....	1	.....	1	.....
Germany.....	.....	.....	2	.....	2	.....
Norway.....	.....	.....	2	.....	2	.....
Sweden.....	.....	.....	1	.....	1	.....
India.....	.....	.....	1	.....	1	.....
H. M. Service.....	.....	.....	14	.....	14	.....
Unknown.....	.....	.....	14	.....	14	.....
	57	17	1170	198	1442	387800

TABLE XV.

Former Occupation, so far as ascertained.

	1879.		1859-1878		TOTAL.	
	M.	F.	M.	F.	M.	F.
Architect's Wife.....			1	1	1	1
Barrister.....			1	.....	1	.....
Baker's Wife.....			1	4	1	4
Blacksmith and Wife.....		1	9	9	9	10
Barbers.....			3	.....	3	.....
Basket Makers.....			.....	2	.....	2
Brewer.....			1	.....	1	.....
Bookbinder.....			3	1	3	1
Brass Founder.....			1	.....	1	.....
Butchers and Wives.....			3	2	3	2
Carriage Maker and Wife.....			2	1	2	1
Carpenters and Wives.....			31	24	33	25
Clerks, Bookkeepers and Wives.....	2	1	8	2	10	2
Officers of Customs.....	2	.....	3	1	3	1
Cabinet Makers and Daughters.....			6	3	6	3
Colliers and Wives.....			10	5	10	5
Coopers.....			7	.....	7	.....
Coachman and Wife.....			1	3	1	3
Dressmakers.....			.....	5	.....	5
Engineers and Wives.....	3	1	2	4	5	5
Farmers, Wives, Sons and Daughters.....	16	9	231	116	247	125
Fishermen, Wives, Sons and Daughters.....	3	2	41	22	43	24
Gardener and Wife.....		1	1	2	1	2
Gentlemen and Women.....			10	30	10	31
Governess.....			.....	1	.....	1
Gold Miner.....			1	.....	1	.....
Grocer and Wife.....			6	5	6	5
Hotel Keepers, &c.....			4	.....	4	.....
Hostler.....			1	.....	1	.....
Lumberman.....			4	.....	4	.....
Laborers and Wives, Servants.....	5	13	77	124	82	137
Masons, Wives and Daughters.....			13	14	13	14
Ministers, Wives and Daughters.....		2	4	2	4	4
Millers and Widows.....	1	.....	2	2	3	2
Merchants and Wives.....		1	14	9	14	10
Milliners.....			.....	2	.....	2
Moulder's Wife.....	1	1	.....	1	.....	2
Physician, Wife and Daughter.....			5	4	5	4
Priest.....			2	.....	2	.....
Printers.....			11	3	11	3
Painters.....			7	1	7	1

For

Pensioners and  
Pedlars and Wi  
Plumbers, Tins  
Reporter.....  
School Teachers  
Ship Captains,  
Sexton.....  
Seamen and W  
Soldiers and M  
Shoemakers and  
Saddler.....  
Seamstresses..  
Students.....  
Shipwrights...  
Surveyor.....  
Shop Keeper..  
Sail Maker...  
Tailor's Wife..  
Tanners and W  
Teamsters and  
Tobacconist..  
Trader.....  
Telegraph Ope  
Wool Sorter..  
Wheelwright..  
Washerwomen  
Watchmen an  
Watchmaker..  
Weaver.....  
Stone Cutter..  
Photographer  
Bailiff.....  
Conductor's V



TABLE XV.—CONTINUED.

*Former Occupation, so far as ascertained.*

	1879.		1859-1878		TOTAL.	
	M.	F.	M.	F.	M.	F.
Pensioners and Wives.....			2	5	2	5
Pedlars and Wives.....			6	2	6	2
Plumbers, Tinsmiths and Wives.....			3	1	3	1
Reporter.....			1	.....	1	.....
School Teachers, Wives and Daughters.....		1	14	12	14	13
Ship Captains, Wives, Stevedores.....			8	12	8	12
Sexton.....			1	.....	1	.....
Seamen and Wives.....		1	43	25	43	26
Soldiers and Marines.....			15	.....	15	.....
Shoemakers and Wives.....			19	6	19	6
Saddler.....	1	.....	2	.....	3	.....
Seamstresses.....			.....	8	.....	8
Students.....			7	2	7	2
Shipwrights.....			3	.....	3	.....
Surveyor.....			1	.....	1	.....
Shop Keeper.....			.....	2	.....	2
Sail Maker.....			1	.....	1	.....
Tailor's Wife.....		1	.....	1	.....	2
Tanners and Wives.....			1	3	1	3
Teamsters and Wife.....		1	4	2	4	3
Tobacconist.....			1	.....	1	.....
Trader.....	4	2	1	.....	5	2
Telegraph Operator.....			1	.....	1	.....
Wool Sorter.....			1	.....	1	.....
Wheelwright.....			1	.....	1	.....
Washerwomen.....			.....	6	.....	6
Watchmen and Wives.....			1	2	1	2
Watchmaker.....			1	.....	1	.....
Weaver.....			.....	1	.....	1
Stone Cutter.....			1	.....	1	.....
Photographer.....			1	.....	1	.....
Bailiff.....			1	.....	1	.....
Conductor's Wife.....			.....	.....	.....	.....

**TABLE XVI.**  
*Re-admissions, from 1859 to 1879.*

	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.	Total.	Admitted twice.	Admitted 3 times.	Admitted 4 times.	Admitted 5 times.	Admitted 6 times.	Admitted 7 times.
Males.....	5	6	...	2	7	1	2	5	6	11	5	10	8	8	7	8	11	11	9	122	94	18	5	4	...	...
Females.....	2	1	2	3	2	2	2	5	6	10	9	4	5	7	6	5	7	7	8	93	62	15	6	6	4	1
Total.....	7	7	2	5	9	3	4	10	12	21	14	14	13	15	13	13	18	18	17	215	156	33	11	10	4	1

Maintena  
CO  
Cape Breton.  
Inverness...  
Richmond...  
Victoria....  
Pictou.....  
Colchester...  
Cumberland.  
Antigonish.  
Guysboro'...  
" St  
Hants, West  
" East.  
Kings.....  
Annapolis...  
Halifax....  
Lunenburg.  
" C  
Queens....  
Shelburne...  
" B  
Yarmouth...  
" A  
Digby.....  
Province...  
Private...  
Brown & B  
Tota

**TABLE XVII.**

*Maintenance of Patients in Hospital, December 31st, 1879.*

COUNTY.	Males.	Females.	Total.	INSANE POPULATION. Census 1871.		
				Males.	Females.	Total.
Cape Breton.....	16	9	25	39	28	67
Inverness.....	6	5	11	42	44	86
Richmond.....	4	4	8	19	17	36
Victoria.....	3	2	5	24	22	46
Pictou.....	19	21	40	48	29	77
Colchester.....	11	6	17	32	36	68
Cumberland.....	5	5	10	26	18	44
Antigonish.....	5	1	6	42	30	72
Guysboro'.....	5	2	7	18	15	33
"    St. Mary's District..	1	1	2			
Hants, West.....	5	7	12	26	39	65
"    East.....	3	3	6			
Kings.....	6	12	18	40	28	68
Annapolis.....	2	9	11	23	22	45
Halifax.....	44	55	99	149	153	302
Lunenburg.....	5	3	8	31	32	63
"    Chester District....	4	3	7			
Queens.....		2	2	11	8	19
Shelburne.....				16	19	35
"    Barnington District...		1	1			
Yarmouth.....	3		3	25	40	65
"    Argyle District....	1		1			
Digby.....	3		3	40	23	63
Province.....	18	13	31			
Private.....	6	19	25			
Brown & Bell Funds.....	1	5	6			
<b>Totals.....</b>	<b>176</b>	<b>188</b>	<b>364</b>	<b>651</b>	<b>603</b>	<b>1254</b>

**TABLE XVIII.**

*Farm and Garden Produce, 1879.*

Potatoes.....400 bushels	Radish..... 6 bushels
Parsnips..... 40 "	Spinach..... 49 "
Beets.....150 "	Lettuce.....247 dozen
Turnips.....300 "	Celery..... 39 "
Mangold..... "	Cabbage.....108 "
Peas..... 14 "	Tomatoes.....210 "
Beans..... 70 "	Squash..... 23 "
Onions..... 10 "	Cucumbers..... 80 "
Rhubarb..... 26 "	Corn.....120 "
Parsnips..... 36 "	Cauliflower..... 20 "
Plums..... 4 "	Strawberries.....210 quarts
Pears..... 6 "	Gooseberries..... 36 "
Carrots.....100 "	Currants.....200 "

Sweet Herbs.

Pork killed for Hospital..... 6000 lbs.  
Milk from Barn.....21,900 quarts.

**TABLE XIX.**

*Articles made by the Female Patients, 1879.*

188 Coats,	14 Jackets,
225 Pants,	12 Overalls,
194 Vests,	26 Night Caps,
623 Shirts,	48 Hats, trimmed,
336 Drawers,	99 Bed Comforts,
51 Mitts,	527 Sheets,
737 Socks,	61 Table Cloths,
197 Hose,	299 Bolster Cases,
40 Ties,	266 Pillow Cases,
40 Braces,	19 Pillow Ticks,
32 Collars,	156 Red Sacks,
4 Strong Suits,	37 Mattress Covers,
313 Chemises,	60 " Ticks,
65 Night Dresses,	388 Towels,
91 Petticoats,	50 Rollers,
293 Dresses,	48 Napkins,
50 Women's Drawers,	50 Window Blinds,
130 Aprons,	60 Wash Bags,
10 Strong Waists,	12 Mats,

Mending for Male and Female Patients.

*Expenditures for*

January...  
February...  
March...  
Salary

April...  
May...  
June...  
Salary

July...  
August...  
September...  
Salary

October...  
November...  
December...  
Salary

**TABLE XX.***Expenditures for labor, as shown by Pay List; also for Salaries, 1879.*

January.....	\$ 740 62	
February.....	704 42	
March.....	709 42	
Salaries.....	1133 33	\$3287 79
<hr/>		
April .....	\$ 706 17	
May.....	725 67	
June .....	740 02	
Salaries.....	1175 00	\$3346 86
<hr/>		
July.....	\$ 744 48	
August.....	726 92	
September.....	738 47	
Salaries.....	1187 50	\$3397 37
<hr/>		
October.....	\$ 759 45	
November.....	754 37	
December.....	771 12	
Salaries.....	1187 50	\$3472 44
<hr/>		
		\$13504 46

TABLE XXI.

Showing the Amounts received from Counties and other sources during the year 1879.

## INCOME.

	Works Dept.	Com. Charities.
Annapolis Co.....	\$1381 67	\$ 618 33
Antigonish Co. ....	867 00	.....
Cape Breton Co.....	2000 00	.....
Colchester Co.....	1019 88	2534 15
Cumberland Co.....	200 00	400 00
Digby Co. ....	.....	.....
Guysboro' District .....	1000 00	470 20
St. Mary's District.....	.....	191 55
Halifax City .....	.....	.....
Halifax County.....	1000 00	5000 00
Hants, West .....	1106 93	920 23
Hants, East .....	.....	.....
Inverness Co.....	299 56	402 50
Kings Co.....	2132 96	725 00
Lunenburg District .....	.....	859 76
Chester District.....	500 00	200 00
Pictou Co.....	6000 00	1000 00
Queens Co. ....	.....	.....
Richmond Co.....	.....	200 00
Shelburne District.....	.....	.....
Barrington District. ....	.....	182 51
Victoria Co .....	.....	.....
Yarmouth District.....	312 75	610 80
Argyle District .....	.....	.....
Funds .....	.....	533 88
Private Patients .....	267 91	3962 86
Sale Pigs, &c., at Hospital .....	.....	410 58
Water Rates .....	.....	71 36
Provincial Government .....	.....	28000 00
Total.....	\$18088 66	\$47293 71

## EARNINGS AND EXPENDITURE.

1879.		DR.	
Jany. 1st.	To Stock on hand.....		\$ 5777 04
Dec. 31st.	“ Expenditure.....		56088 16
			<u>\$61865 20</u>
		CR.	
By Earnings.....			\$49323 67
“ Stock.....			4204 14
“ Deficiency.....			8337 39
			<u>\$61865 20</u>

## FOOD,

Oatmeal.....  
 Flour.....  
 Corn Meal...  
 Brown Sugar.  
 Crushed “  
 Rice.....  
 Barley.....  
 Biscuit.....  
 Coffee.....  
 Butter.....  
 Dry Fish...  
 Onions.....  
 Tea.....  
 Molasses...  
 Cheese.....  
 Sago.....  
 Starch.....  
 Salt.....  
 Baking Pow...  
 Nutmegs...  
 Arrowroot...  
 Broma.....  
 Berries...  
 Hams.....  
 Raisins and  
 Es. Lemon.  
 Beef.....  
 Mutton...  
 Potatoes...  
 Fresh Fish.  
 Milk.....  
 Herring...  
 Vinegar...  
 Malt.....  
 Tapioca...  
 Mustard...  
 Pepper...  
 Cassia.....

Carri

TABLE XXII.

*Expenditure for the Year 1879.*

	1st Half Year.	2nd Half Year.	Total.
Food, &c.			
Oatmeal.....	\$ 128 12	110 63	238 75
Flour.....	1599 55	1726 45	3326 00
Corn Meal.....	44 33	41 16	85 49
Brown Sugar.....	489 91	581 24	1071 15
Crushed ".....	34 30	46 70	81 00
Rice.....	35 08	39 24	74 32
Barley.....	37 95	29 60	67 55
Biscuit.....	128 31	75 98	204 29
Coffee.....	80 25	86 80	167 05
Butter.....	904 11	927 28	1831 39
Dry Fish.....	123 91	216 91	340 82
Onions.....	50 94	37 19	88 13
Tea.....	556 76	640 77	1197 53
Molasses.....	286 97	318 85	605 82
Cheese.....	79 75	38 34	118 09
Sago.....	4 96	8 00	12 96
Starch.....	12 76	13 90	26 66
Salt.....	22 68	27 80	50 48
Baking Powder.....	4 56	2 22	6 78
Nutmegs.....	2 00	.....	2 00
Arrowroot.....	4 20	.....	4 20
Broma.....	17 92	16 80	34 72
Berries.....	.....	23 00	23 00
Hams.....	24 52	29 71	54 23
Raisins and Currants.....	7 45	33 50	40 95
Es. Lemon.....	3 00	2 70	5 70
Beef.....	2488 41	2378 21	4866 62
Mutton.....	76 29	95 71	172 00
Potatoes.....	676 11	393 93	1070 04
Fresh Fish.....	225 47	390 81	616 28
Milk.....	694 27	594 43	1288 70
Herring.....	64 48	59 75	124 23
Vinegar.....	19 58	44 66	64 24
Malt.....	5 20	4 20	9 40
Tapioca.....	6 00	2 40	8 40
Mustard.....	6 48	9 72	16 20
Pepper.....	2 88	7 92	10 80
Cassia.....	.....	6 80	6 80
<i>Carried forward.....</i>	\$8949 46	9063 31	18012 77

TABLE XXII—(CONTINUED).

	1st Half Year.	2nd Half Year.	Total.	
<i>Brought forward</i> .....	\$8949 46	9063 31	18012 77	
Ginger.....	4 00	6 55	10 55	
Hops.....	5 60	.....	5 60	
Peas.....	39 38	64 87	104 25	
Apples.....	50 00	62 50	112 50	
Turkeys..	30 63	24 09	54 72	
Turnips.....	31 50	38 88	70 38	
Eggs.....	8 32	7 80	16 12	
Suet.....	.....	6 25	6 25	
Geese.....	2 50	68 70	71 20	
Sauce.....	2 50	5 52	8 02	
Pickles.....	2 00	3 13	5 13	
Chocolate.....	1 20	.....	1 20	
Pork.....	76 00	.....	76 00	
	9203 09	9351 60	18554 69	
Charged to Repairs (mainten- ance of workmen).....	.....	540 00	.....	
Amount received from Super- intendent for Provisions..	.....	240 39	780 39	
<b>MEDICINES.</b>				17774 30
Wine.....	29 25	39 00	68 25	
Whiskey.....	10 00	19 92	29 92	
Drugs.....	174 18	160 10	334 28	
<b>SALARIES.</b>	213 43	219 02	432 45	432 45
Officers.....	2308 33	2375 00	4683 33	
The Pay List.....	4326 32	4494 81	8821 13	
	6634 65	6869 81	13504 46	13504 46
<b>HOUSE EXPENSES.</b>				
Tobacco.....	118 50	170 00	288 50	
Kerosene Oil.....	16 32	15 52	31 84	
Dry Goods.....	1998 70	2108 06	4106 76	
Boots and Shoes.....	51 65	116 15	167 80	
<i>Carried forward</i> ....	\$2185 17	2409 73	4594 90	31711 21

*Brought*

Crockeryware .  
Tinware and Re  
Furniture ....  
Stationery ...  
Knives and For  
Brushes .....  
Bird Seed ....  
Toilet Soap ...  
Spoons . ....  
Truckage ....  
Buckets. ....  
Wrapping Pap  
Pipes.....  
Potash.....  
Blue .....  
Knife Brick .  
Candles .....  
Shoe Shop ..  
Ice .....  
Stamps .....  
Coal .....  
Matches .....  
Shoe Blacking  
Brooms .....  
Sweet Oil ...  
Soap. ....

Less clothing  
workmen a  
repairs....

MISCEL

Cab Hire...  
Razor Strops  
Duck for Spi  
Post Mortem  
Rubber ....

*Carrie*



TABLE XXII — (CONTINUED).

	1st Half Year.	2nd Half Year.	Total.	
<i>Brought forward....</i>	\$2185 17	2409 73	4594 90	31711 21
Crockeryware .....	106 89	91 10	197 99	
Tinware and Repairs .....	10 69	24 28	34 97	
Furniture .....	142 55	134 64	277 19	
Stationery .....	115 32	31 96	147 28	
Knives and Forks .....	18 05	24 15	42 20	
Brushes .....	12 65	9 05	21 70	
Bird Seed .....	25	.....	25	
Toilet Soap .....	4 70	.....	4 70	
Spoons .....	30	11 99	12 29	
Truckage .....	.....	1 00	1 00	
Buckets .....	16 10	10 35	26 45	
Wrapping Paper .....	.....	2 25	2 25	
Pipes .....	.....	4 00	4 00	
Potash .....	24 95	30 08	55 03	
Blue .....	6 00	2 80	8 80	
Knife Brick .....	2 75	.....	2 75	
Candles .....	.....	4 10	4 10	
Shoe Shop .....	358 28	274 95	633 23	
Ice .....	5 40	.....	5 40	
Stamps .....	47 71	28 54	76 25	
Coal .....	2839 74	1592 72	4432 46	
Matches .....	5 00	31 25	36 25	
Shoe Blacking .....	2 40	.....	2 40	
Brooms .....	54 75	38 60	93 35	
Sweet Oil .....	14 00	21 00	35 00	
Soap .....	250 24	268 48	518 72	
	6223 89	5047 02	11270 91	
Less clothing supplied to workmen and charged to repairs.....	.....	.....	124 90	11146 01
MISCELLANEOUS.				
Cab Hire.....	8 25	5 50	13 75	
Razor Strops .....	2 00	6 00	.....	
Duck for Spittoons.....	24 94	.....	.....	
Post Mortem .....	5 00	.....	.....	
Rubber .....	15 75	.....	.....	
<i>Carried forward....</i>	\$ 55 94	11 50	13 75	42857 22

TABLE XXII — (CONTINUED).

	1st Half Year.	2nd Half Year.	Total.	
<i>Brought forward</i> ....	55 94	11 50	13 75	42857 22
Truss .....	2 50			
Watchman's Lanterns .....	5 00			
Tea Trays .....	5 00			
Scissors .....	3 50			
Knitting Pins .....	70			
Row Locks .....	1 25			
Extra Baker .....	6 00			
Constables Fees .....	2 00			
Ticket to Stewiacke for Pa- tient .....	1 40			
Ticket to Newfoundland for Patient .....	12 00			
Ticket to Annapolis for Pa- tient .....	4 20			
Sweeping Chimneys .....	3 00			
Statute Labor .....	18 00		112 24	
Repairing Piano .....		15 10		
Maps .....		2 30		
Fairbanks' Hay Scale .....		125 50		
Lithogram .....		9 50		
Travelling Expenses .....		2 50		
Stencil Plates .....		18 75		
Recovering Boat .....		1 00		
Care of Sick Domestic .....		3 00		
Dyeing Curtains .....		6 80		
Flat Irons .....		3 75		
Clock .....		8 00		
Repairs to Clocks .....		2 00		
Organist .....		40 00		
Mail Bags .....		9 50	253 70	
Recapture .....	5 00	21 70	26 70	
Return Maintenance .....	1 14	19 74	20 88	
Insurance .....		722 00	722 00	
Ferriage .....	27 50	124 85	152 35	
Recreation .....	81 82	12 90	94 72	
Funeral Expenses .....	7 26	4 50	11 76	
Medical Certificates .....	65 00	15 00	80 00	
Library .....	9 00	7 00	16 00	
Incidental .....	4 85	80	5 65	
Cordage .....	13 70		13 70	
Advertising .....	28 50	32 87	61 37	
Printing .....		47 50	47 50	
Advances to Patients .....		5 00	5 00	1637 32
<i>Carried forward</i> ....	\$ 364 26	1273 06	1637 32	\$44494 54

*Brought*  
F  
Pollard ..  
Hay ..  
Straw ..  
Oats ..  
Farm Imple  
Horse and  
Breaking Lan  
RE  
Carpenters' V  
Engineers' W  
Glass ..  
Smith Work  
Repairs. (ma  
Maintenance  
Clothing su  
EXTR  
Hot Air Ch  
Lumber ..  
Window G  
Chairs ..  
Window F  
Strong Bed  
Slate ..  
Castings ..  
Pipe ..  
Tin ..  
Repair to  
Hardware  
Iron for B  
Laying ne  
Total

TABLE XXII — (CONTINUED).

	1st Half Year.	2nd Half Year.	Total.	
<i>Brought forward</i> .....				44494 54
FARM.				
Pollard.....	94 35	72 33	166 68	
Hay.....	319 64	161 10	480 74	
Straw.....	287 19	144 62	431 81	
Oats.....	101 75	57 72	159 47	
Farm Implem'ts, Seed, Cows, Horse and Repairs.....	419 22	150 65	569 87	
Breaking Land.....	14 57		14 57	
	1236 72	586 42	1823 14	1823 14
REPAIRS.				
Carpenters' Wages.....	217 00	221 20	438 20	
Engineers' Wages.....	212 50	210 00	422 50	
Glass.....	30 00	37 50	67 50	
Smith Work.....	24 21	37 69	61 90	
Repairs. (material).....	1234 12	2036 21	3270 33	
	1717 83	2542 60	4260 43	
Maintenance of Workmen.....		540 00		
Clothing supplied do.....		124 90	664 90	
	1717 83	3207 50	4925 33	4925 33
EXTRAORDINARY.				
Hot Air Chambers.....	100 00		100 00	
Lumber.....	328 77	396 31	725 08	
Window Guards.....	479 20			
Chairs.....	102 50			
Window Frames.....	25 98			
Strong Beds.....	134 00			
Slate.....	141 00			
Castings.....	128 58			
Pipe.....	47 37	1415 69		
Tin.....	18 20			
Repair to Roof.....	453 81		1530 64	
Hardware.....		128 71		
Iron for Beds.....		26 28	1570 68	
Laying new Water Pipe.....		2255 22	2255 22	
	\$1959 41	\$4222 21	6181 62	6181 62
Total Expenditure.....				\$57424 63

TABLE XXII — (CONTINUED.)

*Summary of Expenditure for the Year 1879.*

Food .....	17,774 30
Salaries and Wages.....	13,504 46
Medicine .....	432 45
House Expenses .....	11,146 01
Miscellaneous.....	1,637 32
Farm.....	1,823 14
Repairs.....	4,925 33
Extraordinary .....	6,181 62
Total Expenditure.....	\$57,424 63

In order to be placed und

The follow Series, are ap sion of a patie

“ CLAUSE 1  
Commissioner mission is sou suicidal, or d long standing and also epile

“ CLAUSE 2  
a STATEMENT and forwarded *answer and ed.* No per patient witho medical prac one shall not examination fore admissio

“ CLAUSE  
given to the for payment dollars) shall

“ CLAUSE  
of patients r admissions r circumstance special agre patient from ant, such ex manner as t

## APPENDIX

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### ADMISSION OF PATIENTS.

In order to be benefited by Hospital treatment, Patients should be placed under care at an early stage of their disease.

The following clauses of Chapter 36 of Revised Statutes, Fourth Series, are appended for the information of those desiring the admission of a patient:—

“CLAUSE 19.—Whenever there are vacancies in the Hospital, the Commissioners of Public Charities shall admit patients for whom admission is sought, but they shall have power to refuse cases that are not suicidal, or dangerous through violence to others, and that are from long standing not likely to be benefited by treatment in the Hospital, and also epileptic or idiotic cases.”

“CLAUSE 20.—In every case where admission is sought for a patient a STATEMENT in writing, in the form of Schedule A, shall be filled up and forwarded to the Medical Superintendent for examination; and *his answer and approval shall be received before the patient is forwarded.* No person shall be received into the Hospital for the Insane as a patient without a certificate, as in Schedule B, from two *qualified* medical practitioners in actual practice in the Province, of whom the one shall not be the son, brother, partner or assistant of the other; the examination therefor having been made not more than thirty days before admission.”

“CLAUSE 21.—In case of private paying patients, a bond shall be given to the Commissioners of Public Charities, with sufficient sureties, for payment of expenses, and a payment of one quarter's board (Fifty dollars) shall be made in advance.”

“CLAUSE 29.—The Commissioners of Public Charities, in the case of patients now in the Hospital for the Insane, or on whose behalf admissions are sought, and where in their judgment, there are circumstances justifying a departure from the ordinary rates, may make special agreements for the amount and payment of board; and where a patient from violence or otherwise requires a special or extra attendant, such extra attendance shall be charged and paid for in the same manner as the ordinary charges.”

Should the case be deemed admissible, a Magistrate's order for a County patient (or a Bond if a private patient) will be forwarded, together with two blank Medical Certificates, which will not be valid unless made use of within a month thereafter.

Two good suits of clothing, at 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 *before leaving home*. Everything like deception must be scrupulously avoided. No promise as to the precise time of their return should ever be made.

*In every case before admission, it is imperative that the "order" therefor be obtained at the office of Commissioners of Public Charities, Province Building, Halifax.*

#### DISCHARGE OF PATIENTS.

When a patient recovers, the friends are notified, and upon their application, with the Medical Superintendent's Certificate, the order for discharge is granted by the Commissioners of Public Charities.

In cases of doubtful recovery, it is now customary to grant leave of absence "on trial." If a relapse occur before final discharge, the patient is at once re-admitted without any new formalities.

- (a) Name in full.
- (b) Qualification be
- (c) Locality. 18
- (d) Name in full. ex
- (e) Residence. of
- (f) Occupation. m

- 1. Appearance.
- 2. Conduct.
- 3. Conversation.

(g) State the information, and O from whom.

N. B.—Two every case. Th Medical Practiti

\* The facts formed, should

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SCHEDULE B.—CERTIFICATE.

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(a) Name in full. I, the undersigned<sup>(a)</sup>  
 (b) Qualification being<sup>(b)</sup> and in actual practice,  
 hereby certify that I, on the day of  
 (c) Locality. 18 at<sup>(c)</sup> in the County of  
 separately from any other Medical Practitioner, personally  
 (d) Name in full, examined<sup>(d)</sup>  
 (e) Residence. of<sup>(e)</sup> <sup>(f)</sup> and that the said  
 (f) Occupation. is a person of unsound  
 mind, and a proper person to be taken charge of, and de-  
 tained under care and treatment; and that I have formed  
 this opinion on the following grounds, viz. :

1. Appearance. 1. Facts, indicating insanity, observed by myself.\*  
 2. Conduct.  
 3. Conversation.

2. Facts, indicating insanity, communicated to me by  
 (g) State the in- others: <sup>(g)</sup>  
 formation, and  
 from whom.

Name

Place of Residence

Date

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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.

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

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SCHEDULE A. — STATEMENT

*To be forwarded to the Medical Superintendent 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 Husband).
9. Natural Disposition.
10. Habits in Health—as to Temperance, &c.
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 threatened), 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.

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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....., whom I saw last at..... on the.....day of....., (being within one month from this date,) as a person of unsound mind, as a patient into the Nova Scotia Hospital for the Insane.

Name,

Address,

Date,

Degree of relationship (if any) or other circumstances connected 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