

# MAINE STATE LEGISLATURE

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# PUBLIC DOCUMENTS

OF THE

## STATE OF MAINE

BEING THE



# REPORTS

OF THE VARIOUS

PUBLIC OFFICERS  
DEPARTMENTS AND  
INSTITUTIONS

FOR THE YEAR 1918

VOLUME III

# REPORTS

OF THE

Trustees and Resident Officers

OF THE

# Maine State Hospitals

FOR THE

Nineteen Months Ending June 30, 1918

THE JOURNAL PRINTSHOP  
LEWISTON, MAINE  
1919



BOARD OF HOSPITAL TRUSTEES, 1918.

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HOWARD L. KEYSER, 1922 .....	Greene
ALBERT J. STEARNS, 1921 .....	Norway
FRANCES G. PLAISTED, 1920 .....	Augusta
GEORGE M. BLAKE, 1920 .....	Portland
JAMES W. BECK, 1920 .....	Augusta
JOHN P. HUTCHISON, 1921 .....	Eastport
OLIVER L. HALL, 1918 .....	Bangor

OFFICERS OF BOARD.

HOWARD L. KEYSER, *President*.  
ALBERT J. STEARNS, *Secretary*.

## AUGUSTA STATE HOSPITAL

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### RESIDENT OFFICERS.

FORREST C. TYSON, M. D., Superintendent.  
STEPHEN E. VOSBURGH, M. D., First Assistant Physician.  
ARTHUR C. WRIGHT, M. D., Second Assistant Physician.  
FRANK E. ROWE, M. D., Assistant Physician.  
FREDERICK R. CARTER, M. D., Assistant Physician.  
NESSIB S. KUPELIAN, M. D., Assistant Physician.  
SAMUEL N. TOBEY, Steward and Treasurer.  
ABBIE M. PAULSEN, Matron.

### HEADS OF DEPARTMENTS.

Mrs. MARY E. HICKEY, Supt. of Nurses and Principal of Training School.  
Mr. RICHARD F. TALBOT, Farm Superintendent.  
Mr. FRANK A. LYON, Chief Engineer.  
Mr. LEVI HALLOWELL, Chief Mechanic.  
Mr. SAMUEL M. HOLWAY, Clerk.  
Miss MARY M. ADAMS, Superintendent's Secretary.

### CONSULTING BOARD OF PHYSICIANS.

DR. H. W. HARRIS, 68 Grove St., Augusta.  
DR. A. H. STURTEVANT, 54 Green St., Augusta.  
DR. H. J. FREDERICK, 23 Chapel St., Augusta.  
DR. O. C. S. DAVIES, 19 Stone St., Augusta.  
DR. S. J. BEACH, 20 Myrtle St., Augusta.  
DR. O. W. TURNER, 37 Stone St., Augusta.  
LINWOOD L. DOLLIVER, D. D. S., Augusta.

### CHAPLAINS FOR 1918.

#### RESIDENT CLERGYMEN OF AUGUSTA.

REV. CLAYTON D. BOOTHBY,	REV. EDWIN S. PHILBROOK,
REV. WILLIS J. LAYTON,	REV. FRANCIS A. WALCH,
REV. WILLIAM R. WOOD,	REV. FATHER NEELIGAN.

## REPORT OF HOSPITAL TRUSTEES.

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*To the Honorable Governor and Council of Maine:*

The Hospital Trustees of the Augusta State Hospital and Bangor State Hospital, herewith present their report for the nineteen months ending June 30th, 1918.

The Trustees have visited monthly by committees all three institutions under their care, and held full Board meetings each month for the transaction of general business at Augusta, and also held quarterly meetings of the Board at each institution.

As the Hospitals increase in size and their great variety of business interests is considered, it is found that even by working by committee whenever feasible, that a great deal more time than formerly is being required of the Trustees, which is freely given.

### AUGUSTA STATE HOSPITAL.

The State is to be congratulated that we have been enabled to keep the major portion of the medical staff of this Hospital intact and to continue as the Superintendent Dr. Forrest C. Tyson, a recognized authority on the treatment of mental diseases. Also, Mr. Samuel N. Tobey, who by efficient business ability as Treasurer has kept the diet up to the normal requirements, made necessary repairs and not exceeded appropriations.

The completion of the renovation of the second and third male wings in November, 1917, and the Harlow Building about the same time, after its partial destruction by fire in March, 1917, marked an epoch in the advancement of this Hospital.

The male and female pavilions and Sanborn building have long needed better sanitary conditions in plumbing, and minor repairs to conform with modern views, and with the consent of your honorable body we have started repairs on the male pavilion. After these have been completed, we believe the Augusta State Hospital will compare favorably with any similar institution of its age.

Details of the many minor improvements and repairs are contained in the reports of the Superintendent and Treasurer.

As the period of the world conflict in Europe lengthens, the question of labor in every department of the State institutions becomes more serious, and we wish to express our sincere thanks to your honorable body for the help and coöperation you have given at all times in the solution of this serious problem.

Owing to the excessive cost of material and labor, the construction of the psychopathic hospital provided by the last Legislature was postponed, but the overcrowded condition of many wards, particularly on the female side, the natural increase, and the fact that we are undoubtedly to have a great many extra cases from the army, will compel the next Legislature to provide for this increase by new construction.

#### BANGOR STATE HOSPITAL.

Since Dec. 1, 1916, the point to which the last report brought the affairs of the Bangor State Hospital, this institution has maintained its high standard of efficiency, under its competent, capable management and with the excellent coöperation of the heads of departments and employees generally.

Conditions have, of course, been unusual as elsewhere, with increased expenditures and an increased population, an advance in numbers beyond the normal and consequently beyond the estimates upon which the appropriation for maintenance was asked at the last session of the legislature.

The population of inmates at the Bangor State Hospital, Dec. 1, 1916, was 641; on June 30, 1918, it was 701, a net gain of 60, whereas in normal times the recent annual advance in numbers has been from 15 to 20. Such an unprecedented and unexpected advance in population has two especial results, an unanticipated drain upon the maintenance appropriation and a congestion in the wards.

In spite of the largely increased demands upon the maintenance appropriation occasioned by larger numbers and higher costs of foods and general commodities, the careful and economical management of this hospital has been so manifest that until the last two months of the period the hospital has succeeded in keeping within its appropriation. The Trustees feel that they should ex-



press their appreciation of the work of William Thompson, Steward and Treasurer, who has exhibited fine judgment in imposing all proper economy in his department, economy that has not resulted in hardships for the patients.

The excellence of the general management of the hospital and the care of the patients reflects high credit upon Superintendent P. T. Haskell, who has patiently and energetically surmounted the many unusual difficulties occasioned by the war. Dr. Haskell was elected superintendent upon the resignation of Dr. Frederick L. Hills, which took effect July 1, 1917, because of impaired health. The Board of Trustees received the resignation of Dr. Hills with regret and take this opportunity of expressing their appreciation of his fine work in behalf of the hospital.

Dr. Haskell brought to his task, experience and ability, to which is added humane sympathy for the patients and an unsparing devotion to his duty. During his term of office the general health and welfare of the patients has been carefully guarded. There have been two epidemics, measles and smallpox, and the latter contagion is now subsiding, in fact, may be declared over. In neither case did deaths occur.

There have been a number of changes in the medical staff during the period. Dr. Herbert E. Thompson concluded valuable services as pathologist by his resignation in February, 1917. He was succeeded by Dr. Philip B. Newcomb, who resigned in June, 1918, and has been succeeded by Dr. Berry, who comes to us highly recommended.

Dr. Roy A. Thornley resigned in June, 1918, after nearly three years of service as third and as second assistant physician. Dr. Lester F. Norris in July, 1917, was promoted to first assistant physician and his excellent work has justified the advancement.

Miss Margaret B. Duren has recently been added to the staff as dietitian and has already shown a fine knowledge of her important work.

The work of the farm, under the management of Mr. Thompson, has been very satisfactory, in spite of the labor difficulties that have been met.

By appropriations obtained at the last session of the Legislature, 13 rooms for male attendants were finished in the attic of E Building, and the vacuum system has been extended in Buildings B and C, the experiment in the E Building the year before having

proven successful. Last winter forced draft was placed on three boilers and this improvement has resulted in a material coal saving, as it has been made possible to largely increase the percentage of inferior coal used.

In anticipation of a demand for the treatment of returned soldiers, an excellent hydrotherapeutic unit has been installed and preparations have been made to give over Ward D 4 for soldiers' use if the call comes.

We recognize that the next legislature will be loth to make large appropriations for improvements that may be delayed, but we recommend that a small appropriation for cows would result in a very considerable financial saving at this hospital and also that a small appropriation should be made to finish two other attics for the use of patients, a step which would assist in giving more ward room.

Respectfully submitted,

HOWARD L. KEYSER, *President.*

ALBERT J. STEARNS, *Secretary.*

FRANCES G. PLAISTED,

GEORGE M. BLAKE,

OLIVER L. HALL,

JAMES W. BECK,

JOHN P. HUTCHISON.

AUGUSTA STATE HOSPITAL  
SUPERINTENDENT'S REPORT.

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*To the Trustees of the Augusta State Hospital:*

I have the honor to submit to you the Superintendent's report for the nineteen months' period beginning December 1, 1916, and ending June 30, 1918.

Since the presentation of the last annual report the Legislature changed the fiscal hospital year to end June 30th instead of November 30th, and ordered the hospital report to be presented biennially, instead of annually, as has been the custom for the past seventy-six years. Consequently, this report, the first under the change, covers a period of nineteen months and is divided into two parts, for statistical reasons, of seven and twelve months each.

MOVEMENT OF POPULATION.

At the end of the last annual period, November 30, 1916, there were 1089 patients, 578 men and 511 women, in the hospital. During the following seven months, 163 patients, 91 men and 72 women, were admitted, and for the succeeding twelve months, 294 patients, 155 men and 139 women. The total number of admissions for the nineteen months was 457 patients, 246 men and 211 women.

The total number of cases under treatment for seven months was 1252; for twelve months, 1383. The daily average number of patients in the hospital for seven months was 1020; away from the hospital, but under supervision, 64. For twelve months, 1034 were in the hospital, while 66 were away, but under supervision.

ADMISSIONS.

The admissions for the seven months' period consisted of 133 first admissions and 30 re-admissions. For the succeeding twelve months there were 236 first admissions and 58 re-admissions.

## DISCHARGES AND DEATHS.

The total number of patients discharged from the hospital for the nineteen months' period was 406, 234 men and 172 women. For seven months, 163 patients, 98 men and 65 women, and for twelve months, 243 patients, 136 men and 107 women, leaving on the books of the institution, June 30, 1917, 1089 patients, 571 men and 518 women; on June 30, 1918, 1140 patients, 590 men and 550 women. Of the 406 patients discharged during the nineteen months' period, 89 recovered; 82 were improved; 15 were not improved; 17 were found not to be insane; one male patient was transferred to the Bangor State Hospital; and 202 died.

Of the deaths, 48 men and 25 women died during the seven months and 67 men and 62 women during the twelve months.

The percentage of recoveries based on the number of discharges and deaths was 22.1%; based on the number of admissions, it was 19.7%. The death rate based on the whole number treated for nineteen months was 7.66%. These percentages compare favorably with those from other state institutions and serve to indicate clearly the good results that are being obtained under modern methods of care and treatment that the State is providing for its mentally ill.

The principal causes of death were: Broncho pneumonia, 78; diseases of the heart and arteries, 28; lobar pneumonia, 24; tuberculosis of the lungs, 21; acute and chronic intestinal diseases, 14; pellagra, 4; suicide, 1.

Of those who died, 20 were over 80 years of age; 30 were between 70 and 80; 51 were between 60 and 70; 30 were between 50 and 60; 33 were between 40 and 50.

Of those who died, 32 had resided in the hospital less than one month; 18 less than three months; 22 less than seven months; 15 less than twelve months; 39 less than two years; 30 less than four years; 13 less than ten years; and 23 had resided in the hospital over ten years.

## CLASSIFICATION.

The more important and familiar forms of mental disease occurring in the number of new cases for the nineteen months, with percentages, are as follows: Manic depressive psychoses, 21%; paresis, 14.6%; dementia præcox, 14%; senile psychoses,

12.2% ; organic brain diseases, 4.6% ; alcoholic psychoses, 3.27%.

Two hundred ninety-three patients were native born; 73 were foreign born; 3 were not ascertained.

Manic depressive psychoses constitute the largest number of admissions. This is gratifying because of the fact that this disorder is simple and benign in nature, usually results in recovery and does not lead to permanent mental deterioration except in a few cases in the involutorial period. It is characterized by attacks of excitement or depression which may occur periodically in circular, alternating and mixed phases. This mental disorder constitutes also the bulk of re-admissions.

General paralysis or paresis, occupies an altogether too prominent place among the preventable forms of insanity. The number of cases seems to be constantly increasing in spite of the fact that more definite measures are being taken to prevent the spread of syphilis which is the most harmful to the individual of the venereal diseases. The disease, which destroys the mental faculties as well as the physical health, develops in about fifteen years after the initial infection by syphilis, the course is rapidly progressive and terminates ultimately in death in from two to five years.

Dementia præcox occurs next in order of frequency. It is a functional mental disorder with many clinical variations, begins in early adult life and terminates ultimately in permanent mental enfeeblement.

Senile psychoses are mental disorders that develop incidentally with a loss of vitality of the central nervous system due to old age. A larger number of patients suffering from senile debility is being admitted each year.

The organic brain diseases are due mostly to sclerosis of the cerebral arteries and it is probable that syphilis is responsible for a small but significant number of these cases.

It is very gratifying to note the reduced number of mental disorders due directly to the toxic effects of alcohol. During the past twelve months, only two cases of alcoholic psychosis have been admitted. Such a small number of cases indicates very forcibly what may be accomplished by practical measures toward the prevention of insanity.

## MEDICAL WORK.

The medical service has been conducted in the manner described in previous reports and has been very active on account of the large number of admissions. The general health of the patients has been good. A few cases of infectious disease have occurred sporadically throughout the institution. Difficulty in obtaining a sufficient number of competent employees for ward work, due to the war and exigencies of the times, has made the work more difficult than usual and increased the personal responsibility of each member of the staff. The crowded condition of the wards, due partly to the lack of sufficient accommodations and to the renovations taking place in several buildings, has tended to cause confusion and impair efficiency.

All patients in the hospital, including officers and employees, have been vaccinated. All new cases are vaccinated upon admission as a matter of routine. The prevalence of small pox in sections of the State during the past year has made these prophylactic procedures necessary.

The hospital has been without the services of a pathologist since Dr. Herbert W. Hall, now a Lieutenant in the Medical Officers' Reserve Corps, left the institution. The laboratory work has been done principally by different members of the staff, each doing his own clinical laboratory work, which consumes a large amount of time in the course of a year and detracts largely from the time necessary for ward work. It is very difficult to obtain the services of a competent man because of the demands of the Medical Corps of the Army. The present arrangement will probably have to be continued for the duration of the war. Arrangements have been made with the State Board of Health, to do our Wassermann and cerebrospinal fluid tests.

The dental work has been done by Dr. Dolliver, a busy practitioner, who often has been unable to visit the hospital regularly every two weeks. I wish to recommend that the services of a dentist who can devote all of his time to the care of the teeth of our patients and employees, be obtained. There is a sufficient amount of work which is of the utmost importance to health and happiness, to warrant giving a dentist a permanent place on the medical staff.

The out-patient clinic established in Portland, has been in suc-

cessful operation since the 12th of June, 1918. This clinic will undoubtedly prove of great value to the community as an adjunct to the regular hospital work in helping those who are suffering from nervous and mental disorders and who feel the need of early examination and advice. It is gratifying to note that other organized agencies recognize the importance of a clinic and are constantly referring cases. Relatives and friends of patients are also taking advantage of the opportunity to call and make inquiries regarding their friends in the hospital.

#### TRAINING SCHOOL FOR NURSES.

The work of the Training School has continued to be successful in training competent nurses for practical and special work. The Class of 1917 under the direction of Miss Pauline W. Doe, completed a successful two years' course and graduated on the evening of June 13, 1917, the following nurses: Elizabeth Preston Brawn, Georgia Gertrude Craft, Elvie Mildred Daggett, Mabel Thompson Lyon and Bessie Mae Thibodeaux. Immediately after the closing of the school year, Miss Doe resigned her position to enter the regular Army Nursing Corps where her work has proved highly commendable. The Class of 1918, under the capable direction of Mary E. Hickey, graduated seven nurses, the names of whom appear as follows: Lillian Essency Farris, Jeannette Dudley Ballard, Lillian L. Whitcomb, Irene Estelle Paige, Alice May Shattuck, Mary Jane Shattuck and Ruth Owen Harding.

#### OCCUPATIONS AND AMUSEMENTS.

The difficulty in obtaining competent help in sufficient numbers to keep the work of the institution up to the highest standard, has placed a premium on the work contributed by the patients. The amount of work that the patients do is difficult to appreciate and the economic value to the State is extremely valuable. The special industrial work has been interfered with at times by the lack of a competent instructor. However, it has continued with gratifying results. The handicraft work produced by the patients sells readily and it is quite difficult to keep a sufficient supply of articles on hand for exhibition purposes.

A variety of entertainments contributed to the general happiness and necessary diversion of the patients by relieving the monotony of routine hospital life. Of the entertainments, the bi-weekly motion picture shows throughout the year, prove to be the most enjoyable. The weekly dances from October until May continue also to be a source of pleasure and benefit.

#### REPAIRS AND IMPROVEMENTS.

The Harlow Building was partially destroyed by fire on the evening of the 22nd of March, 1917. The fire started about 7.45 P. M., originating in the baggage room on the third floor, and the damage was confined to the attic floor and roof, the latter being entirely burned off. The officers and employees responded quickly and the patients were gotten out of the building, the women being distributed in the Sanborn building and the north pavilion. The men on the middle and lower wards were transferred to the male pavilion. The patients who were attending moving pictures remained quietly in the amusement hall. There were 146 patients in the building at the time. All were removed without casualty and comfortably provided for in a short time. Practically everything below the third floor was saved except that which was damaged by water. One cannot praise too highly the heroic efforts made by officers, nurses, attendants and other employees in saving the lives of the patients by performing their respective duties. There was no panic, not even among the patients. The Trustees responded immediately and were early on the scene and rendered invaluable assistance. Governor Milliken, ex-Governor Plaisted, Senator Swift and other prominent local townspeople responded quickly, who also rendered valuable assistance in the emergency. The Legislature which was in session, promptly voted a special appropriation to restore the building; \$60,000 was voted for the purpose. The work of renovation began soon after and was completed by the first of November, 1917. The building is now practically fireproof, thoroughly modern and well equipped with sanitary toilet arrangements. The normal capacity was increased by certain architectural changes, 65%. The building was occupied the first of this year and accommodates 156 patients. Seventy patients, 40 men and 30 women, were transferred to the Bangor State Hospital where they were temporarily cared for while the building was being renovated.



The renovation of the 2nd and 3rd wings of the male stone building, authorized by the Legislature in 1915, was completed in November, 1917. Both wings have been occupied since that time. These buildings are now modern in every respect, fireproof and contain many up-to-date features in apparatus and equipment.

The small detached building known as the Chapel, has also been renovated and the unused attic made into a dormitory accommodating 35 patients. The lower floor was prepared and equipped with new furniture for the use of employees. The central corridor which is very wide, has been equipped with new furniture and serves as a recreation room. Four fire escapes were attached to the outside of the building.

The stone building, known as the commandant's house in the Arsenal grounds, has been renovated and will provide quarters for the Steward and Treasurer.

The circulating hot water system has been completely installed and is operating successfully. Five thousand five hundred ninety-five feet of pipe carrying hot water and steam, have been covered with Asbestocel pipe covering.

The laundry has been rearranged and sufficiently equipped with modern machinery to handle efficiently an average of twenty-five thousand pieces of laundry per week.

The refrigerating plant has also been overhauled and extensive repairs made to the interior of the main refrigerating room and a new iron tank substituted for the old galvanized iron one which had become perforated.

Many other changes and minor repairs, constituting important improvements too numerous to mention in detail, have been made. Practically all of this work has been done by our own help in the mechanical and building department.

Your Board is well aware of the crowded conditions of the institution and the attention of the Legislature should be urgently directed toward formulating measures for ameliorating them as they exist at the present time. Recently an exhaustive study relative to the housing conditions and capacity of the institution was made. This report shows conclusively that the normal capacity of the women's department is exceeded by 166 patients. This excess is now partly cared for by the use of one ward in the Harlow building of the men's department and by ex-

tra beds throughout the women's department. If all of the wards designed for the use of men could be used for that purpose, the normal capacity of the men's department would be sufficient to care for all of the men patients. The present overcrowding is due to lack of accommodations for women and provision must be made in the near future for at least 166 women. The normal rated capacity of the institution, including the male pavilion which is now in process of renovation, is 942, the men's department accommodating 530, the women's department, 412. The last Legislature appropriated \$100,000 for the construction of one wing and the central administration building of a psychopathic building to be used especially for the reception and treatment of new cases. This construction was indefinitely postponed on account of the shortage of labor and the excessive cost of building material as a result of the war.

#### RESIDENT OFFICERS.

Dr. Clyde B. Covey resigned his position and left the hospital, January 5, 1917, to accept a similar position in the State Hospital at Howard, R. I.

Dr. F. A. Taylor was appointed assistant physician, January 3, 1917, and resigned his position, May 12, 1917.

Dr. Ralph L. Barrett, a medical student from the University of Pennsylvania, was appointed clinical laboratory assistant, June 22, 1917, and resigned to continue his college work, Sept. 26, 1917.

Dr. Frank E. Rowe was appointed assistant physician, Nov. 19, 1917.

Dr. Arthur C. Wright resigned his position, April 10, 1918, to accept a commission in the Medical Corps of the Army.

Dr. Nessib S. Kupelian was appointed assistant physician Nov. 27, 1917.

#### COST OF MAINTENANCE.

Average number of patients in the hospital for the 12 months ending June 30, 1918, was 1034.

Total expenditures from maintenance ap- propriation .....	\$322,512.30
Less inventory increase .....	13,614.57
	<hr/>
	\$308,897.73

Average gross weekly per capita cost.....			\$5.745
Less Farm Products.....	\$6,374.66		
House Rents .....	465.67	6,840.33	.1272
			<hr/>
		\$302,057.40	
Average weekly per capita expense for support of patients and maintenance of property .....			\$5.6178
Less board of patients .....	\$40,579.74		.7547
			<hr/>
		\$261,477.66	
Average weekly per capita cost to State.....			\$4.8631

## ACKNOWLEDGMENTS.

I wish to acknowledge the kindly services of Rev. Mr. Boothby, Rev. Mr. Layton, Rev. Mr. Philbrook, Rev. Mr. Wood, Rev. Mr. Walsh and Rev. Father Nelligan of St. Mary's Rectory, who have conducted religious services for the patients at the hospital.

I wish also to mention the fact that Governor Milliken and members of the Council have visited the hospital frequently and have manifested an active interest in its welfare. The Hospital Committee of the Council consisting of Hon. Frank B. Nichols of Bath, Chairman, Hon. George W. Norton, Portland, and Hon. Ashley St. Clair of Calais, have visited the hospital frequently and have taken an active interest, financially and medically, in the management of the institution.

Mrs. E. C. Dudley of Augusta, acting as the woman visitor and representative of the Governor and Council, has visited the institution regularly and has performed her duties and obligations to the patients faithfully and well.

It gives me great pleasure to commend those who, as officers and employees, have given such loyal and satisfactory service for the welfare of the hospital.

I wish also to express my appreciation to the members of the Board of Trustees for their interest and helpful coöperation in the management of the institution.

Respectfully submitted,

FORREST C. TYSON.

STATISTICAL TABLES  
AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL  
ASSOCIATION.

TABLE 1.—GENERAL INFORMATION

1. Date of opening as an institution for the insane: 1840.			
2. Type of institution: State.			
3. Hospital plant:			
Value of hospital property			
	Real estate, including buildings,.....	\$1,894,740	00
	Personal property.....	202,123	66
	Total.....	\$2,096,863	66
Total acreage of hospital property (approx.) ..... 600			
Acreage under cultivation during year " ..... 450			
4. Medical service:			
	Men	Women	Total
Superintendents.....	1	—	1
Assistant physicians.....	4	—	4
Medical internes.....	—	—	—
Clinical assistants.....	—	—	—
Total.....	5	—	5
5. Employees:			
Graduate nurses.....	4	14	18
Other nurses and attendants.....	47	57	104
Social workers.....	—	—	—
All other employees.....	67	39	106
Total.....	118	110	228
6. Percentage of patients employed during year..... 60			

TABLE 2. FINANCIAL STATEMENT.

See Treasurer's report for data requested under this table.

## STEWARD AND TREASURER'S REPORT.

*To the Board of Hospital Trustees:*

I herewith present my report of the financial affairs of the Augusta State Hospital for the seven months ending June 30, 1917:

### STATEMENT OF OPERATING INCOME AND EXPENSES.

#### INCOME.

Board of Patients .....		\$18,922.50
Farm Department:		
Services of Horses and Men .....	\$1,200.13	
Milk production .....	7,500.54	
Cows and other live stock .....	160.25	
Hay .....	86.13	
Vegetables and other farm products .....	2,329.50	
Hen Department .....	936.00	
Hog Department .....	2,850.83	
	15,063.38	
Destruction of clothing by pay patients .....	108.19	
Interest collected on bank balances on deposit .....	111.19	
Discount received on payment of supplies purchased...	1,067.51	
Sundry sales .....	2,448.68	
Industrial Department—sale of materials .....	69.06	
Library books—sales .....	26.20	
Sale of stable horse .....	75.00	
House rent account .....	315.00	
	4,920.83	
Received from State of Maine on account of support	157,894.50	
Received from State of Maine on account of Renovation of Second Male Wing .....	41,458.44	
Received from State of Maine on account of Harlow building .....	8,470.05	
	207,822.99	
Gain in inventories over November 30th, 1916 .....	27,796.82	
	\$273,826.52	

## EXPENSES.

Salaries of officers .....	\$ 5,509.52	
Pay roll of employees .....	29,927.40	
Subsistence .....	58,201.16	
House furnishings, general .....	9,821.42	
Dispensary and laboratory .....	1,024.20	
Medical attendance, services of dentist .....	135.00	
Water .....	6,582.55	
Ice and refrigeration .....	107.00	
		\$111,308.25
Heat, Light and Power :		
Labor .....	2,118.71	
Coal .....	16,113.10	
Electricity .....	1,875.01	
Gas .....	205.64	
Oil .....	34.20	
Sundries .....	92.33	
		20,438.99
Maintenance of property :		
Repairs to buildings and grounds : labor .....	4,696.52	
Repairs to buildings and grounds : materials .....	7,053.95	
Insurance .....	182.60	
		11,933.07
Farm :		
Labor .....	4,260.17	
Equipment and tools .....	651.30	
Feed .....	4,736.78	
Fertilizer, seeds, etc. ....	2,284.63	
Heating .....	322.01	
Miscellaneous and repairs of equipment .....	852.09	
		13,106.98
Stable :		
Labor .....	581.00	
Hay .....	72.48	
Heating .....	49.19	
Feed .....	197.71	
Miscellaneous .....	166.38	
		1,066.76
Green House :		
Labor .....	330.00	
Supplies .....	16.44	
		346.44
Laundry :		
Labor .....	2,085.98	
Supplies .....	303.33	
Repairs and Equipment .....	2,816.35	
		5,205.66

Quarry:		
Supplies .....	118.49	
	<hr/>	118.49
Industrial Department:		
Supplies .....	154.29	
	<hr/>	154.29
Administration Expenses:		
Clerk Hire .....	2,712.42	
Telephone and Telegraph .....	418.75	
Traveling expenses .....	122.04	
Postage, stationery and printing .....	838.05	
Office supplies .....	204.80	
	<hr/>	4,296.06
Patients' clothing .....	6,220.15	
State Patients' sundries .....	257.46	
Library books purchased .....	16.25	
Interest on Orne Fund Note .....	50.00	
	<hr/>	6,543.86
Renovation Second Male Wing .....	43,756.67	
	<hr/>	43,756.67
Harlow building .....	12,523.93	
	<hr/>	12,523.93
Dry goods store—purchases .....	13,160.61	
Less amounts charged out to other Depts.....	10,005.46	
	<hr/>	3,155.15
Grocery store—purchases .....	74,130.10	
Less amounts charged out to other Depts.....	59,615.79	
	<hr/>	14,514.31
Coal purchase account .....	28,504.48	
Less amounts charged out to other Depts.....	20,223.52	
	<hr/>	8,280.96
	<hr/>	25,950.42
Hospital account .....	17,076.65	
	<hr/>	17,076.65
	<hr/>	\$273,826.52

STATEMENT OF ASSETS AND LIABILITIES, JUNE 30, 1917.

ASSETS.

Cash .....	\$ 16,396.84
Trust Funds invested .....	56,273.44
Inventories .....	188,509.09
State of Maine .....	287,171.62
Real estate .....	1,894,740.00
Patients' accounts .....	31,000.14
Bills receivable .....	6,310.42
S. N. Tobey, Custodian, (Patients' Money) .....	1,271.83
	<hr/>
	\$2,481,673.38

## AUGUSTA STATE HOSPITAL

## LIABILITIES.

Appropriation accounts .....	\$277,550.08
Audited vouchers .....	32,121.54
Trust funds .....	56,273.44
Income due State .....	45,901.87
Willett Martin Co., balance due .....	1,893.77
Patients' money .....	1,271.83
Surplus .....	2,066,660.85
	————— \$2,481,673.38

Respectfully submitted,

S. N TOBEY,

*Steward and Treasurer.*



## STEWARD AND TREASURER'S REPORT.

*To the Board of Hospital Trustees:*

I herewith present my report of the financial affairs of the Augusta State Hospital for the fiscal year ending June 30, 1918:

### ASSETS.

State of Maine Account, consisting of Auditor's Balance, viz.:	
Appropriation for maintenance, 1918, unused .....	\$172,832.49
Appropriation for maintenance, 1917, unused .....	4,938.38
Appropriation for Robie Trust Fund, 1918, unused..	140.00
Appropriation for Gilman Legacy, 1918, unused.....	50.00
Appropriation for Williams Legacy, 1918, unused ....	40.00
Appropriation for Psychopathic Building, 1918 .....	75,000.00
Appropriation for Psychopathic Building, 1918 .....	25,000.00
	<hr/>
	\$278,000.87
Patients' Account:	
Amount due from various private means .....	36,317.23
Accounts Receivable:	
Amount due from sundry firms and individuals	4,269.17
Plant account:	
Consisting of buildings and permanent improve- ments .....	1,894,740.00
Inventories:	
Consisting of supplies and equipment on hand	202,123.66
Trust Funds Invested:	
Consisting of cash trust funds .....	1,278.44
New England Tel. & Tel. Bond .....	995.00
40 shares 1st National Bank, Portland	4,000.00
State of Maine .....	50,000.00
	<hr/>
	56,273.44
Cash, Samuel N. Tobey, Custodian.....	1,812.01
	<hr/>
	2,195,535.51
	<hr/>
	\$2,473,536.38

## LIABILITIES.

## Appropriation Accounts :

## Consisting of Balance Appropriation unused

1917 Maintenance appropriation .....	\$ 4,938.38
Psychopathic building .....	25,000.00
1918 Psychopathic building .....	75,000.00
Interest on Trust Funds:	
Robie Fund .....	140.00
Gilman Legacy .....	50.00
Williams Legacy .....	40.00
Personal services .....	50,738.40
Food supplies .....	72,917.56
Clothing .....	5,193.24
General expenses .....	31,534.03

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 265,551.61

Repairs and equipment overdrawn ..... 4,538.29

---

 \$261,013.32

## Audited Vouchers :

Unpaid vouchers, June 30, 1918 (615-693 inc.) 16,987.55

## Trust Funds :

Orne Fund .....	\$1,000.00
Robie Library Fund .....	2,000.00
Library Fund (Col. Black & McLellan) .....	3,273.44
Coburn Fund .....	50,000.00

---

 56,273.44

## Income Due State :

 Being Patients' Accounts and Miscellaneous  
 Accounts receivable ..... 40,586.40

## Patients' Money :

 Being cash belonging to patients in hands of  
 Custodian ..... 1,812.01

## Surplus :

Consisting of buildings, grounds and inventory 2,096,863.66

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 \$2,473,536.38

## INCOME AND EXPENSE

## INCOME.

Appropriation accounts .....	440,779.50
Farm products .....	6,374.66
House rents .....	465.67
Board of patients .....	40,579.74
Inventory (increase) .....	13,614.57

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 \$501,814.14

EXPENSE.

Salaries and pay roll .....	89,684.36	
Subsistence .....	91,841.38	
Wearing apparel .....	13,504.62	
Renewals and equipment .....	42,901.72	
Sundry expenses .....	67,271.14	
Harlow Wing .....	25,417.68	
Harlow Wing Otto Nelson .....	28,057.36	
Harlow Wing Furnishings .....	3,092.24	
Second Male Wing .....	56,468.11	
*Income sent State Treasurer for 1918 .....	53,372.72	
Surplus increased .....	30,202.81	
		<u>\$501,814.14</u>
*Actual cash sent Treasurer .....	\$ 58,688.19	
Accounted for and explained in last audit as cash due..		
State for income .....	7,832.99	
Cash due Sate for balance .....	768.32	
		<u>8,601.31</u>
Less error in cash (see last report) .....	10.00	
		<u>8,591.31</u>
Less difference in increase .....	8,591.31	
In Patients' accounts 1918 (Inc.) .....	\$5,317.09	
Accounts receivable (Dec.) .....	2,041.25	
		<u>3,275.84</u>
		<u>\$ 5,315.47</u>
Income credit for 1918 .....	53,372.72	
		<u>\$58,688.19</u>

MAINTENANCE APPROPRIATION EXPENDITURES.

	1917 Appro.	1918 Appro.	Total
Personal services .....	\$ 43,951.89	\$46,261.60	\$90,213.49
Food supplies .....	30,077.51		
Clothing .....	3,487.50	44,082.44	77,647.45
Clothing .....	6,791.28	7,806.76	14,598.04
Repairs and equipment .....	26,817.22	44,649.52	71,466.74
General expenses .....	39,678.61	28,907.97	68,586.58
			<u></u>
Total expenditures for 1917 .....	\$150,804.01		
Total expenditures for 1918 .....		\$171,708.29	
Total expenditures for year .....			<u>\$322,512.30</u>

## Appropriation for Harlow Wing:

Appropriation .....	\$60,000.00
Expended to June 30, 1917 .....	8,470.05
	<hr/>
Balance left July 1, 1917 .....	51,529.95
Increased by transfer from 2nd male wing .....	1,431.51
Increased by Council orders from contingent fund .....	667.60
	<hr/>

Amount spent in fiscal year, July 1, 1917, to June 30, 1918 .....	\$53,629.06
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## Appropriation for Second Male Wing:

Appropriation .....	\$85,000.00
Expended to June 30, 1917 .....	48,629.42
	<hr/>
Balance left July 1, 1917 .....	36,370.58
Increased by Council orders, from Contingent fund .....	20,803.86
	<hr/>

Amount spent in fiscal year July 1, 1917, to June 30, 1918 .....	\$57,174.44
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Less transfer to Harlow Appro. ....	\$1,431.51
Discounts entered and corrections .....	.14
	<hr/>

1,431.37
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Net sum expended, July 1, 1917, to June 30, 1918	\$55,743.07
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Respectfully submitted,

S. N. TOBEY,

*Steward and Treasurer.*

FARM AND GARDEN PRODUCTS FOR THE YEAR ENDING  
JUNE 30, 1918.

## MEATS AND DAIRY PRODUCTS.

Butter	lbs.	144	Hearts and Livers	lbs.	520
Beef	lbs.	2,836	Milk	qts.	146,072
Cream	qts.	174	Milk, skim	qts.	3,078
Chicken	lbs.	519	Round Hog	lbs.	17,986
Eggs	doz.	1,464	Veal	lbs.	1,212
Fowl	lbs.	95			

## BERRIES, FRUITS AND VEGETABLES.

Apples, crab	bbls.	1	Endive	lbs.	75
Apples	bbls.	14	Gooseberries	qts.	20
Asparagus	lbs.	437	Lettuce	lbs.	668
Beets	bu.	178	Onions	bu.	132
Beet Greens	bu.	116	Potatoes	bu.	3,000
Blackberries	qts.	55	Parsnips	bu.	142
Beans, Y. E.	bu.	94	Radishes	lbs.	333
Beans, String	bu.	177	Rhubarb	lbs.	4,625
Beans, Shell	bu.	2	Raspberries	qts.	111
Cabbage	lbs.	8,363	Swiss Chard	lbs.	845
Currants	qts.	204	Spinach	lbs.	1,369
Carrots	bu.	121	Strawberries	qts.	1,801
Celery	hds.	4,630	Squash	lbs.	2,013
Corn	doz.	1,664	Turnips	bu.	332
Cucumbers		6,930	Tomatoes	bu.	194
Green Peas	bu.	210			

## HAY, OATS AND ENSILAGE.

Hay	tons	400	Ensilage	tons	190
Straw	tons	20	Oats	bus.	207

## SUNDRIES.

Manure	cords	300	Small Pigs sold	178
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## BANGOR STATE HOSPITAL.

### RESIDENT OFFICERS.

1917.

FREDERICK L. HILLS, M. D., Superintendent.  
PEARL T. HASKELL, M. D., First Assistant Physician.  
LESTER F. NORRIS, M. D., Second Assistant Physician.  
PHILIP B. NEWCOMB, Pathologist.  
ROY A. THORNLEY, M. D., Interne.  
WILLIAM THOMPSON, Steward and Treasurer.  
Miss MARGARET C. McLEOD, Matron.

### CONSULTING PHYSICIANS.

DR. DANIEL A. ROBINSON.  
DR. EUGENE B. SANGER.  
DR. DANIEL McCANN.  
DR. D. W. BUNKER.  
DR. BARBARA HUNT.  
H. C. FROST, D. D. S.

### CHAPLAINS

REV. PATRICK J. GARRITY.  
REV. ALVA R. SCOTT.  
REV. WALTER L. LOTT.  
REV. EDWIN C. BROWN.  
REV. HAROLD S. CAPRON.  
REV. ROBERT W. JORDAN.

### HEADS OF DEPARTMENTS.

Miss FLORENCE M. WOOLDRIDGE, Superintendent of Nurses.  
S. WILBER FISKE, Chief Engineer.  
EDWIN A. LINNELL, Clerk.  
Mrs. FRANK W. GOODRICH, Superintendent's Clerk.

## SUPERINTENDENT'S REPORT.

*To the Board of Hospital Trustees:*

I have the honor to present to you the report of the Superintendent of the Bangor State Hospital for the period ending June 30, 1917, this being the 17th report of this institution. The following table shows the movement of population during the period:

	Men	Women	Total
Patients in Hospital Dec. 1, 1916.....	349	294	643
On visit, Dec. 1, 1916.....	34	24	58
Admitted within the period.....	104	71	175
Viz. By commitment.....	92	62	154
from visit.....	12	9	21
Whole number of cases within the period.....	453	365	818
Dismissed within the period.....	110	79	189
Viz. Discharged.....	45	31	76
As recovered.....	6	6	12
As capable of self-support.....	18	10	28
As much improved.....	9	5	14
As improved.....	9	5	14
As not improved.....	15	12	27
As not insane.....	6	3	9
Died.....	41	19	60
Escaped.....	2	—	2
On trial visit, June 30, 1917.....	22	29	51
Patients remaining June 30, 1917.....	365	301	666
Viz. Supported as State patients.....	334	234	568
"    in full by relatives.....	16	32	48
"    in part by relatives.....	8	22	30
"    as private patients.....	7	13	20
Number of different persons within the period.....	444	365	809
Daily average number of patients.....	354.82+	301.90+	656.72+

The number of patients committed during the year from the several counties is as follows: Penobscot, 61; Hancock, 21; Aroostook, 18; Waldo, 15; Washington, 15; Piscataquis, 10; Knox, 7; Somerset, 5; Kennebec, 1; Cumberland, 1; Total, 154.

The most prominent predisposing cause of the mental breakdown, in those cases whose history could be obtained, was as usual, an hereditary tendency, which was present in 63 of the cases committed. Alcoholic intemperance was an active or predisposing factor in 37 of the cases. Other predisposing causes were, business reverses, arterio sclerosis, syphilis, congenital deficiency, sorrow and bereavement, climacteric changes. In 37 of the cases admitted, no predisposing or exciting cause could be assigned.

## DEATHS.

The death rate of the period was 7.3%, based on the whole number under treatment. This is lower than in preceding years. The chief causes of death were general paralysis, 8; cardiac embolism and thrombosis, 7; lobar pneumonia, 7; cerebral hemorrhage, 3; chronic myocarditis, pulmonary tuberculosis and general septicemia, 4 each.

## MEDICAL WORK.

There have been no radical changes during the year in the methods of treatment employed. Staff meetings have been held regularly four mornings of each week, for presentation, discussion and diagnosis of new cases, and also certain cases to be considered for parole or discharge. In June measles developed in one of the male wards, with 8 cases in isolation at the present time. Aside from this epidemic there has been no unusual sickness during the year.

We have had but few accidents or cases requiring surgical treatment, and in the latter we are much indebted to Dr. Daniel A. Robinson, to Dr. Eugene B. Sanger, and to Dr. Daniel McCann for surgical advice.

During the period, 9 cases came to autopsy, which is 15% of the deaths. The Wassermann test has been applied to 62 specimens of blood serum. Eight of these reacted positively for syphilis; 151 specimens of urine have been examined and of these 12 showed the presence of albumen, 2 the presence of sugar, and 6 specimens showed both albumen and sugar.

The dental work is carried on under the supervision of a visiting dentist who is at the hospital one morning each week.

## ACCIDENTS.

One male patient with suicidal intent jumped down the food elevator well, dying shortly from the injuries he received. One patient accidentally received a fracture of the leg, and two received fractures of the arm.

## LIBRARY.

During the period, about 40 volumes have been added to the library by donation from friends of the hospital.

## TRAINING SCHOOL FOR NURSES.

This has been conducted under the efficient management of the Superintendent of Nurses, Miss Florence M. Wooldridge. The



classes receive two lectures each week from the physicians of the staff and also demonstration from the Superintendent of Nurses, supervisor and graduate nurses along the line of practical nursing. The affiliation with Bellevue and Allied Hospitals of New York has been continued, with 6 nurses at the present time in attendance at those institutions.

## RE-EDUCATIONAL OCCUPATIONS.

The industrial class for re-educational work for women patients has continued with only a short period of interruption due to the resignation early in March of Miss Helen M. Brainerd. This vacancy was filled late in June by the appointment of Miss Lelia A. Flint, a graduate of St. Lawrence University, Canton, N. Y., who has been most proficient. The work of rug making, sewing, embroidery, crocheting, etc., has proven very beneficial to many convalescing patients as well as those suffering from chronic conditions.

## COST OF MAINTENANCE.

Gross per capita for 668 patients for 7 months, Dec. 1, 1916, to June 30, 1917, inclusive .....	\$5.691
Made up of	
Resident patients, daily average .....	656
Augusta patients boarded here .....	12
	—
Total daily average .....	668
Deduct weekly average per capita income from all sources .....	.756
Average weekly per capita cost to State for support of patients, and maintenance of, for period of seven months from Dec. 1, 1916, to June 30, 1917, inc.....	4.935

## STAFF CHANGES.

Dr. Herbert E. Thompson, a member of the staff since 1910, resigned to accept a position on the staff of the Worcester State Hospital. Dr. Philip B. Newcomb, of the Mt. Pleasant State Hospital, Iowa, was appointed to fill the vacancy and assumed his duties on June 10.

## ENTERTAINMENTS.

The weekly dances have been held as usual, and moving pictures have been shown every two weeks during the period. The music

has been furnished by our own orchestra which also plays daily in the congregate dining room at the meal hour. The Maine Masque presented a play February 8th. The Glee and Mandolin Club gave a concert on February 22nd, and the Girls' Club a concert on March 6th.

## VISITATIONS.

The visiting committee of the Governor's Council and the Secretary and members of the State Board of Charities and Corrections have visited us at irregular intervals. As in previous years, Mrs. E. C. Dudley, associate of the Governor's Council, has continued her monthly visits which are eagerly looked forward to by the patients.

## CONCLUSION.

I appreciate my indebtedness to the Steward, Matron, and members of the medical staff for their loyal coöperation and painstaking work throughout the year, and I would commend the officers and employees for faithfulness to their duties and for their interest in the welfare of the patients under their charge. Again, also, do I thank your Honorable Board for your personal interest in the problems of administration and for your continued confidence, counsel and support.

Respectfully submitted,

FREDERICK L. HILLS,  
*Superintendent.*

June 30, 1917.

TABLE NO. 1

## Insane Received on First or Subsequent Commitments.

Number of Commitments.	Cases Committed.		
	Men.	Women.	Total.
First to this hospital. . . . .	125	105	230
Second to this hospital. . . . .	14	9	23
Third to this hospital. . . . .	3	5	8
Fourth to this hospital. . . . .	—	1	1
Fifth to this hospital. . . . .	1	1	2
Total cases. . . . .	143	121	264
Total persons. . . . .	142	121	263
Never before in any hospital for insane. . . . .	116	99	215

TABLE NO. 2

Nativity and Parentage of Persons first admitted and Hospital.

Places	Men.			Women.			Totals.		
	Patients	Fathers	Mothers	Patients	Fathers	Mothers	Patients	Fathers	Mothers
Maine.....	85	62	64	81	65	68	166	127	132
Other New England States.....	5	3	2	0	3	2	5	6	4
Other states.....	6	5	7	0	0	0	6	5	7
Total native.....	96	70	73	81	68	70	177	138	143
Other Countries									
British Provinces.....	11	18	14	14	17	18	25	35	32
Austria.....	0	0	0	1	1	1	1	1	1
England.....	0	0	0	0	1	0	0	1	0
Ireland.....	3	9	10	0	5	3	3	14	13
Poland.....	1	1	1	0	0	0	1	1	1
Russia.....	3	2	2	1	1	1	4	3	3
Scotland.....	0	1	1	0	1	0	0	2	1
Sweden.....	2	2	2	1	1	1	3	3	3
Total foreign.....	20	33	30	17	27	24	37	60	54
Unknown.....	0	13	13	1	4	5	1	17	18
Totals.....	116	116	116	99	99	99	215	215	215

BANGOR STATE HOSPITAL.

RESIDENT OFFICERS.

1918

PEARL T. HASKELL, M. D., Superintendent.

LESTER F. NORRIS, M. D., First Assistant Physician.

....., Pathologist.

\*ROY A. THORNLEY, M. D., Second Assistant Physician.

\*LOUIS C. BICKFORD, M. D., Interne.

WILLIAM THOMPSON, Steward and Treasurer.

MISS MARGARET C. McLEOD, Matron.

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GALEN M. WOODCOCK, M. D.

EUGENE B. SANGER, M. D.

BERTRAM L. BRYANT, M. D.

DANIEL McCANN, M. D.

BARBARA HUNT, M. D.

DANIEL W. BUNKER, M. D.

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REV. ALVA R. SCOTT.

REV. HAROLD S. CAPRON.

REV. EDWIN C. BROWN.

REV. J. EDWARD HAND.

SUPERINTENDENT OF NURSES.

MISS FLORENCE M. WOOLDRIDGE.

DIETITION.

MISS MARGARET E. DUREN.

SUPERVISORS.

*Female.*

MISS EDITH M. ANNIS.

MRS. ESTHER GOODROW.

*Male.*

EDWARD W. BRALEY.

ROBERT D. REID.

SAMUEL MARSH.

MR. WILLIAM J. HUGHES, Chief Engineer.

MR. EDWIN A. LINNELL, Clerk.

MISS MARION L. BURTON, Superintendent's Clerk.

MR. JERRY T. SULLIVAN, Store Clerk.

\* Resigned, June, 1918.

## SUPERINTENDENT'S REPORT.

*To the Board of Hospital Trustees:*

I have the honor to submit to you the report of the operations of the Bangor State Hospital for the year beginning July 1, 1917, and ending June 30, 1918, it being the eighteenth annual report of this institution. The annual report written last year was for the seven months ending June 30, 1917, because of the change of the date of the beginning of the fiscal year from December 1 to July 1.

I have complied with your request that I condense the report by omitting some of the statistical tables and other usual features.

### GENERAL STATISTICS

	Men	Women	Total
Patients remaining in Hospital, July 1, 1917.....	364	302	666
Admitted within the year.....	158	148	306
Viz. By commitment.....	138	121	259
for observation.....	3	0	3
by transfer from other institutions.....	2	0	2
from visit.....	15	27	42
Total under treatment during the year.....	522	450	972
Dismissed within the year.....	125	78	203
Viz. as recovered.....	10	8	18
as improved.....	23	14	37
as unimproved.....	11	10	21
as capable of self-support.....	39	18	57
As not insane.....			
Inebriates.....	4	0	4
Drug Habitues.....	4	8	12
Others not insane.....	3	2	5
Escaped.....	1	0	1
Died.....	70	36	106
On visit, July 1, 1918.....	22	29	51
Remaining under treatment July 1, 1918.....	372	329	701
Enrolled July 1, 1918.....	394	358	752
Supported by the State.....	340	255	595
"    in full by relatives.....	21	37	58
"    in part by relatives.....	8	20	28
"    as private patients.....	8	12	20
Daily average number for the year.....	364.2	318.3	682.5

### ADMISSIONS.

It will be seen from the above table that 158 men and 148 women, a total of 306, were admitted during the year. Of this number 259 were committed, 3 were sent by the court for observation, 2 were received by transfer and 42 were returned from visits. The monthly average of commitments was 21.7.

## FIRST ADMISSIONS.

All patients never before admitted to any institution for the insane are classed as first admissions. This group, therefore, represents the actual number of new cases coming to us this year requiring institutional care. Of the 215 first admissions received during the year, dementia præcox was the most frequent of all forms, being diagnosed in 38 cases, or 13 per cent. Manic depressive insanity in 23 cases, or 10.6 per cent constitutes the second largest group. Psychosis with cerebral arterio sclerosis make up 8.3 per cent. of the first admissions. The fourth group consists of the senile psychosis with 16 cases, or 7.4 per cent. Alcoholic psychosis was found in 12 cases, or 5.5 per cent. This is a marked decrease from the past few years. Dementia paralytica in 10 cases, or 4.6 per cent., constitutes the sixth group. The number of cases which remained unclassified at the end of the year totaled 16, or 7.4 per cent. of the first admissions.

The ascertained predisposing causes of insanity were heredity in 96 cases, or 44.6 per cent., and alcoholic intemperance in 73 cases, or 33.9 per cent., of those admitted for the first time.

Eighty-five men and 81 women, a total of 166, or 77 per cent. of those admitted for the first time, were natives of Maine; 11 were from other states; 25 were from the British Provinces; 12 were from foreign countries. Of those committed for the first time, Penobscot County leads with 89, Hancock and Aroostook each 30, Washington 24, Waldo and Piscataquis each 13, Somerset 10, Knox 5, Cumberland 1.

The civil condition was recorded as married in 99 cases, single in 84, widowed in 26, divorced in 2, and separated in 3.

Of those admitted for the first time, 79, or 37 per cent., were over 50 years of age.

## DISCHARGES AND DEATHS.

There were 97 discharged during the year. Of this number 18, or 18.5 per cent., were recovered; 37, or 38 per cent., were improved; 21, or 21.6 per cent., were not improved; 21, or 21.6 per cent., were not insane. Included in the latter class were 4 inebriates and 12 drug addicts. There were left under treatment at the end of the year, 372 men and 329 women, a total of 701, which is a net increase of 36 patients over the preceding 12 months. The death rate was 10 per cent., based on the whole number under

treatment; 42 per cent. of those who died were over 60 years of age. The chief causes of death were, general paralysis, 14; lobar pneumonia, 15; valvular heart disease, 10; broncho-pneumonia, 12; pulmonary tuberculosis, 9; arterio sclerosis, 6; chronic interstitial nephritis, 5; and cerebral hemorrhage, 4.

I regret to report that one patient committed suicide by hanging. This case was promptly reported to the medical examiner and, also, to the Board of Trustees. Another patient with a suicidal intent jumped from a second story window, receiving injuries from which she later died.

#### GENERAL HEALTH OF PATIENTS.

In the last month of the previous period an attendant who had been exposed to the measles entered the employ of the hospital, and shortly developing the disease, communicated it to the employes and patients, with the result that between the middle of June and August 1, 1917, forty cases were isolated. With the exception of one male patient who developed tuberculosis, all made uncomplicated recoveries.

There have been no cases of typhoid fever, and very few cases of infectious diarrhea. Three patients died who were suffering from Pellagra. In two of these cases the disease was well marked when they entered the institution.

Late in April small pox developed at the hospital appearing in a male patient who had not been outside of the hospital grounds for several months. The disease was, undoubtedly, brought into the institution by visitors, there being at that time several mild cases in the adjoining towns. The disease was very mild as in only three of the cases were there any prodromal symptoms prior to the appearance of the eruption which appears about the fourth day. The top floor of the F building was used as an isolation ward, and placed in charge of one of the female nurses.

These two epidemics demonstrate the urgent need of an isolation ward which, when not in use, could be used for any overflow among the nursing staff.

#### MEDICAL SERVICE.

There have been no radical changes during the year in the methods of treatment employed. Patients on being received are given, besides the mental examination, a thorough physical exami-

nation to determine whether or not they are suffering from any acute physical ailment. In these days of scientific advancement the laboratory is a valuable factor in the diagnosis.

Staff meetings have been held regularly at 8.15 o'clock on four mornings of each week for the presentation, discussion and diagnosis of new cases, and, also, to review the doubtful ones and certain cases to be considered for discharge. In this manner 228 patients were brought before the medical conferences.

To our staff of consulting physicians and surgeons our gratitude is cordially extended for the readiness shown by the members to respond to our not infrequent calls.

During the year fourteen cases came to autopsy. This represents 13% of the total deaths.

The Wasserman test has been done on the blood serum of all admitted to the hospital except in those cases where it was contraindicated. Two hundred and seventy-two specimens have been examined by this method, and forty-two or 15% showed a positive reaction for syphilis. Nineteen specimens of cerebrospinal fluid have also been tested for syphilis, and of this number 10, or 52 % were positive. A cell count has been done on all fluids, and the colloidal gold test on 19.

Three hundred and five specimens of urine have been examined.

#### DENTISTRY.

Henry S. Frost, D. D. S., has visited us regularly one morning each week, and has done the following work: extractions 205, fillings 166, cleaning and scaling 85, treatment 70, ward visits 8, plates repaired 5. Whole number of patients treated, 195.

#### TRAINING SCHOOL.

By reason of the fact that the course in the training school has been extended from two to three years, there was no class to graduate during this year. The senior class numbers seven women, the intermediate six, and the junior class eleven.

Three graduates of the school are in the employ of the hospital, two as charge nurses, and one as night supervisor.

The advantages gained by affiliation with Bellevue Hospital, New York City, are most apparent. The ten months of training which our nurses receive in that institution fit them for general medical and surgical work as well as for mental nursing.



During the year a class of ten male attendants has been instructed in bandaging, temperature taking and bed-making by Miss Wooldridge, Superintendent of Nurses.

#### RE-EDUCATIONAL OCCUPATIONS.

Since March, due to the resignation of Miss Flint, we have been without an industrial teacher. This is to be regretted, as occupation is one of the important factors in the treatment of mental diseases.

In June a large exhibit of work done by the male and female patients was on display at the annual meeting of the American Medico-Psychological Society, which was held at Chicago.

During the past year 55 per cent. of our total population have been engaged in some useful occupation. Many of the employees as well as the patients have occupied their spare time knitting, with the result that during the year 234 pairs of stockings have been made for the Red Cross.

#### REPAIRS, IMPROVEMENTS AND NEW CONSTRUCTION.

The vacuum heating system has been extended to include buildings B and C. This has made a marked saving in fuel, as much of the heat furnished is from the exhaust steam. By equipping the boilers with forced draught, we have been able to use 50 per cent. screenings, thereby making a great saving in the amount of soft coal used. Since the opening of the hospital, the tubercular building has received its heat from the main power plant, a distance of 300 yards, necessitating the use of high pressure steam.

To effect a saving in fuel, two heaters were installed in the basement of this building with most gratifying results.

On D1 new toilets have been installed and a toilet for the male parole patients has been placed in the basement of the E-building. The administration building has been painted throughout; also many of the corridors, toilets and bathrooms. The wards have been equipped with modern food containers, making possible the serving of hot food to the patients, which is essential for their comfort and health.

Realizing that the great European conflict will shortly send to us soldiers suffering from mental diseases, and as records and reports show that hydrotherapeutic treatment is a great factor in restoring these unfortunates to their normal condition, we

have installed in the basement of building C, a thoroughly equipped unit consisting of continuous bath rooms, and electric light cabinets. To the X-ray room has been added a tube stand and a lead screen as a protection to the operator. A Victor high frequency static machine, a faradic wall plate, and a sinusoidal combistat have been added to the electrical equipment. The two latter machines are portable and can be taken from ward to ward wherever they are needed.

In April two Ford, Form A, motor trucks were purchased. As the yearly expense of moving the coal from the siding to the coal bunkers is equivalent to the cost of these trucks, we feel that they are a wise investment.

In the attic of the E-building thirteen rooms have been finished and equipped, thus providing ample accommodations for the male night attendants. On this floor a shower bath and modern toilets have been installed.

A reading room for the employees equipped with several daily papers and numerous monthly magazines has been opened in the B-building.

In a room in the basement a pool and card tables have been installed, which are well patronized by the male employees.

The high cost of living has required us to bend all our energies in the interests of economy. Certainly we have learned to practice some economies which hitherto were unknown to us. This is particularly true in the dietary. Potatoes and bread have no doubt been wastefully used in the past by all of us. Also, we have learned that meatless days are not impossible and in our diets the quantities can be reduced without serious harm to food values.

#### RECOMMENDATIONS.

With our sharp increase in permanent population the need of new buildings is most apparent. This over-crowding could be relieved by finishing off dormitories on the 4th floors of the D and F-buildings, thus supplying additional sleeping quarters for 40 male and 40 female patients. For this an appropriation of \$15,000 is necessary. A request is made for cottages for married employees as well as a cottage for the engineer who at all times should be in close touch with the institution. This would necessitate an expenditure of \$15,000.

The hospital possesses very inefficient telephone service. The various offices and wards are connected by a local telephone system which is almost constantly requiring the attention of an electrician to keep it in proper working order. I recommend installation of the Bell intercommunicating system with the usual central switch board and connections to various parts of the hospital. As this system is kept in repair by the New England Telephone Co., the only additional expense would be the salary and maintenance of an operator.

Wards C-2 and E-2 should be thoroughly renovated and placed in a sanitary condition for the proper care of our convalescent patients. Aside from these two wards, the living quarters of the patients are in a modern and sanitary condition. For this an appropriation of \$10,000 is requested.

#### CHANGES IN THE MEDICAL STAFF.

Frederick L. Hills, M. D., owing to ill health, resigned on July 1, 1917, after holding the superintendency of this hospital for seven years.

The following promotions were made:

Pearl T. Haskell, M. D., Superintendent, July 1, 1917.

Lester F. Norris, M. D., first assistant physician, July 1, 1917.

Roy A. Thornley, M. D., second assistant physician, July 1, 1917.

Louis C. Bickford, M. D., was appointed interne, August 23, 1917, and resigned June 24, 1918.

Philip B. Newcomb, M. D., Pathologist, resigned in April, 1918, to accept a position in Arizona.

Roy A. Thornley, M. D., resigned in June, 1918.

#### FARMING.

As in years past the farm has been carried on under the able management of the Steward. The season was unusually poor, due to the great rainfall, greatly reducing the potato crop. The corn crop was a failure, but the hay crop was rather more than the average. The amount of land sown to oats yielded about half a crop.

COST OF MAINTENANCE, JUNE 30, 1917, TO JUNE 30, 1918,

PER CAPITA.

Daily average number inmates during the year has been 725.  
Made up of:

Resident patients, daily average .....	682	
Augusta patients boarded here.....	43	
		<hr/>
Total daily average.....	725	
Total maintenance appropriation expenditure .....		\$208,501.30
Add decreased inventory.....		11,986.46
		<hr/>
		\$220,487.76
Average gross weekly per capita cost.....		\$5.848
Less farm products .....	\$8,394.62	
Interest and discount.....	56.31	
		<hr/>
As shown by Income and Expense Statement	8,450.93	.224
		<hr/>
		\$212,036.83
Average weekly per capita expense for support of inmates and maintenance of property .....		\$5.624
Less Board of patients .....	21,802.38	.578
		<hr/>
		\$190,234.45
		<hr/>
Average weekly per capita cost to the State		\$5.046

## SHORTAGE OF HELP.

The obtaining of a sufficient number of suitable employees has been a great problem during the past year. This shortage has been especially marked among the male attendants, and in the farm department. Substantial increase of wages for employees in these departments relieved the condition to some extent. The call to the United States service has resulted in the hospital's losing over thirty men, most of this number enlisting.

On the women's wards we now have one nurse to every twelve patients during the day, and one to every thirty-three during the night. On the male wards we have one attendant to every twenty-one patients during the day and one to every fifty-three during the night, or including all nurses and attendants, one to every sixteen patients.

## LIBRARY.

The library contains about 1250 volumes, and continues, as in the past, to be a source of enjoyment to the patients. Thirty-six volumes have been added during the year.

## ENTERTAINMENTS.

The usual weekly dances have been held on Monday evening of each week from October 1st to June 1st. Every other Friday evening during the period, moving pictures have been shown in the Amusement Hall. The music on these occasions has been furnished by our own orchestra.

Our thanks are due to the U. of M. Masque, the Glee and Banjo Club, and the Girls' Musical and Dramatic Clubs, who entertained the patients during the winter. We are also indebted to Mr. Horace Pullen and his orchestra for a most enjoyable evening's entertainment. We are particularly grateful to the employees who have done so much to make the hospital choir an important feature of the regular Sunday services.

Christmas, Thanksgiving and Fourth of July were observed with the usual festivities.

Aside from the months of July and August, Protestant services have been held each Sunday, and Catholic services on the first Sunday of each month. To our chaplains who have conducted these services we desire to express our thanks and appreciation.

## ACKNOWLEDGMENTS.

Friends of the hospital from time to time have donated papers, magazines, playing cards and pictures. At Christmas time Mrs. Mellen C. Pierce generously contributed gifts for thirty-five patients who had no relatives or friends to remember them. These are gratefully acknowledged.

## VISITATIONS.

We have received visits from the visiting committee of the Governor's Council and the Secretary of the State Board of Charities and Corrections.

To Mrs. E. C. Dudley, the representative of the Governor and Council, whose monthly visits are looked forward to with great pleasure by the patients, I wish to convey our appreciation of her unflinching kindness and helpfulness.

## CONCLUSION.

On July 1, 1917, owing to the resignation of Dr. Frederick L. Hills, who had served the institution faithfully for seven years, I was appointed superintendent. On entering upon my work I realized that my predecessor had been so successful in his management of the institution that his departure was much regretted by everyone. It is therefore a pleasure for me to be able to state that I have received the same loyal support of the officers, the heads of departments, and the employees generally, that was accorded their former superintendent. For this, I am deeply grateful.

In conclusion, I wish to express my appreciation to your Board for your confidence, counsel, support, and timely guidance.

Respectfully submitted,

PEARL T. HASKELL,

*Superintendent.*

July 1, 1918.

## WOMEN'S INDUSTRIAL CLASS.

Articles made from July 1, 1917, to March 1, 1918.

14 Aprons	10 Quilt tops
4 Bags, cretonne	15 Rugs, braided
5 Bags, bead	11 Scarfs
8 Bibs	410 Sheets
3 Collar, embroidered	12 Slippers
2 Collar, tatting	14 Slippers finished
7 Caps	2 Pairs Bed Socks
6 Centerpieces	44 Pairs Stockings
18 Dish cloths	184 Squares, hemmed
28 Doilies	7 Squares, hemstitched
4 Pairs Gloves, knitted	22 Yes tatting
18 Yards Insertion, crocheted	10 Tatting medallions
6 Jackets, crocheted	1142 Towels, hemmed
20 Yards Lace, crocheted	14 Towels, hemstitched
15 Pairs Mittens	6 Towels, embroidered
98 Napkins, French hemmed	2 Towels, insertion
122 Pillow Cases, hemmed	4 Tray cloths, hemstitched and embroidered
4 Pairs Pillow Cases, hemstitched and embroidered	425 Wash Cloths
2 Pairs Pillow Cases, embroidered	8 Pairs Wristlets
3 Pairs Pillow Cases, insertion	6 Yokes, Corset Cover, crocheted
	7 Yokes, nightdresses

## MEN'S INDUSTRIAL SHOP.

## ARTICLES MADE.

88 Bed Springs	5 Cushions
815 Brooms	60 Dust Mops
815 Broom handles	16 Floor Scrapers
4 Brushes, bowl	415 Mattresses
36 Brushes, horseshoe	20 Mops
20 Brushes, floor	2 Mop handles
8 Brushes, sink	126 Pillows
10 Brush handles	1119 Pairs Stockings
40 Canvas mattresses	38 Rugs
2 Cue Sticks	98 Springs, new

## ARTICLES REPAIRED.

1 Battery	10 Cushions
42 Beds	1 Desk
2 Bread Knives ground	3 Harnesses
6 Bridles	2 Knives
16 Brushes, floor	2 Mops
20 Brushes, scrub	11 Mop Wringers

17 Bureaus	2 Pool Tables recovered
3 Canes	1 Rug
6 Carpet Sweepers	8 Scissors ground
4 Carving Sets ground	10 Scrapers, floor
93 Chairs, arm	3 Sets Autopsy Knives sharpened
1 Chair, barber	1 Set Surgical Instruments honed
6 Chairs, Morris	8 Settees
91 Chairs, rocking	188 Shoes tapped, heeled, etc.
127 Chairs, straight back	13 Stands
6 Chiffonieres	31 Tables
9 Commodes	4 Wheeled Chairs
12 Couches	3 Wooden Legs
3 Crutches	1 Wringer
54 Cue Sticks	



## STEWARD AND TREASURER'S REPORT.

BANGOR, MAINE, June 30, 1918.

*To the Board of Hospital Trustees:*

I herewith present my report of the financial affairs of the Bangor State Hospital for the fiscal year ending June 30, 1918:

### ASSETS.

State of Maine Account, Consisting of Auditor's Balance:	
Appropriation for Maintenance 1918, unused .....	\$106,841.61
Appropriation for Maintenance 1917, unused .....	2,508.95
Appropriation for Robie Trust Fund, 1918 .....	60.14
	\$109,410.70
Patients' account .....	9,186.40
Amounts due from various private means Patients for board and care.	
Accounts receivable .....	850.34
Amounts due from sundry firms and individuals.	
Plant account .....	956,882.48
Consisting of buildings & permanent improvements.	
Inventories, "Supplies and equipment on hand" .....	127,227.05
Trust funds invested .....	2,000.00
Consisting of Robie Amusement Fund.	
Cash, William Thompson, Custodian .....	1,376.60
	1,097,522.87
Total .....	\$1,206,933.57

### LIABILITIES.

Appropriation Accounts, Consisting of balance of Appropriation Unused:	
Personal services .....	\$34,407.22
Food supplies .....	35,513.72
Clothing .....	1,015.32
Repairs and equipment .....	2,322.34
General expenses .....	23,779.48
Robie Amusement Fund .....	60.14
1917 balances .....	2,508.95
	99,607.17

## Audited Vouchers:

Unpaid vouchers June 30, 1918 (Nos. 793 to 850 inc.) .....	9,803.53
Trust funds, Robie Amusement Fund .....	2,000.00
Income due State .....	10,036.74
Consisting of Patients' Accounts Receivable and Miscellaneous Accounts Receivable.	
Patients' money .....	1,376.60
Surplus .....	1,084,109.53
Consisting of buildings, grounds and inventory.	
	<u>\$1,206,933.57</u>

## INCOME AND EXPENSE.

## INCOME.

Appropriation accounts .....	\$229,384.23
Farm products .....	8,394.62
Interest and discount .....	56.31
Board of patients .....	21,802.38
Increase in plant .....	6,787.73
	<u>\$266,425.27</u>

## EXPENSE.

Salaries and pay roll .....	\$66,142.80
Subsistence .....	75,367.10
Wearing apparel .....	5,036.69
Renewals and equipment .....	30,720.52
Sundry expenses .....	27,904.69
Robie Trust Fund .....	149.64
Sleeping rooms for Night Nurses .....	653.60
Changing heating system .....	6,134.13
Inventories decreased .....	11,986.46
Income to State .....	36,494.27
Surplus increases .....	5,835.37
	<u>\$266,425.27</u>

## MAINTENANCE APPROPRIATION EXPENDITURES.

	1917 Appro.	1918 Appro.	Total
Personal services .....	\$33,276.31	\$34,442.31	\$67,718.62
Food supplies .....	38,084.25	34,011.59	72,095.84
Clothing .....	2,511.06	2,854.99	5,366.05
Repairs and equipment .....	13,644.96	21,801.14	35,446.10
General expenses .....	8,645.78	19,228.91	27,874.69
Total expenditures for 1917 .....	<u>\$96,162.36</u>		
Total expenditures for 1918 .....		<u>\$112,338.94</u>	
Total expenditures for year .....			<u>\$208,501.30</u>

Actual cash sent Treasurer .....	\$34,341.95	
Due from Augusta State Hospital as per last audit .....	\$2,908.26	
Accounts receivable, decrease .....	\$2,133.12	
Patients' accounts, increase .....	1,377.18	
	<hr/>	
Increase for year .....	755.94	
	<hr/>	2,152.32
	<hr/>	
Income credits for 1918, (incl. amount due) .....	\$36,494.27	
Appropriation for changing heating system .....	\$6,000.00	
Original amount expended to June 30, 1917 .....	2,113.36	
	<hr/>	
Balance left in appropriation July, 1917 .....	\$3,886.64	
Increased by Council order .....	2,250.00	
	<hr/>	\$6,136.64
Amount expended in fiscal year July 1, 1917, to June 30, 1918, inc. Vouchers Nos. 6563-7161 inc.....		6,134.13
		<hr/>
Balance unexpended reverts to State .....		\$2.51
Appro. for sleeping rooms, night nurses .....	\$654.07	
Amt. expended in fiscal year, July 1, 1917, to June 30, 1918, inc. Vouchers Nos. 6554-6936, inc. ....	653.60	
	<hr/>	
Balance unexpended reverts to State .....	\$ .47	

Respectfully submitted,

WM. THOMPSON,  
*Steward and Treasurer.*

## FARM PRODUCTION, YEAR 1917.

55	Dozen Bunches Asparagus .....	\$110.00
61	Bushels String Beans .....	77.00
18	Quarts Shell Beans .....	2.70
1512	Bunches Beets .....	51.40
192	Bushels Beets .....	288.00
7500	Cabbage .....	600.00
432	Bunches Carrots .....	14.40
332	Bushels Carrots .....	332.00
48	Heads Cauliflower .....	6.50
3500	Heads Celery .....	141.50
334	Dozen Green Corn .....	51.75
4608	Cucumbers .....	154.90
780	Heads Lettuce .....	52.85
25½	Tons Mangolds .....	178.50
120	Bunches Onions .....	4.00
241	Bushels Onions .....	542.25
667	Bushels Oats .....	600.30
115	Bushels Parsnips .....	172.50
2200	Bushels Potatoes .....	3,300.00
4575	Pounds Rhubarb .....	142.73
1824	Bunches Radishes .....	76.00
91	Bushels Spinach .....	53.00
91	Boxes Strawberries .....	12.74
1	Bushel Dandelion Greens .....	1.25
10228	Pounds Squash .....	306.84
199½	Bushels Green Tomatoes .....	156.51
2157	Pounds Ripe Tomatoes .....	133.30
1000	Bushels Turnips .....	500.00
2¼	Tons Fodder .....	15.75
811	Dozen Eggs .....	340.54
3456	Pounds Fowl .....	898.61
	Pork Products .....	3,721.40
90½	Bushels Green Peas .....	135.50
125	Tons Hay .....	1,500.00
1260	Gallon Cans Beans .....	630.00
558	Gallon Cans Tomatoes .....	256.68
337	Gallon Cans Peas .....	195.46
		<hr/>
		\$15,756.86