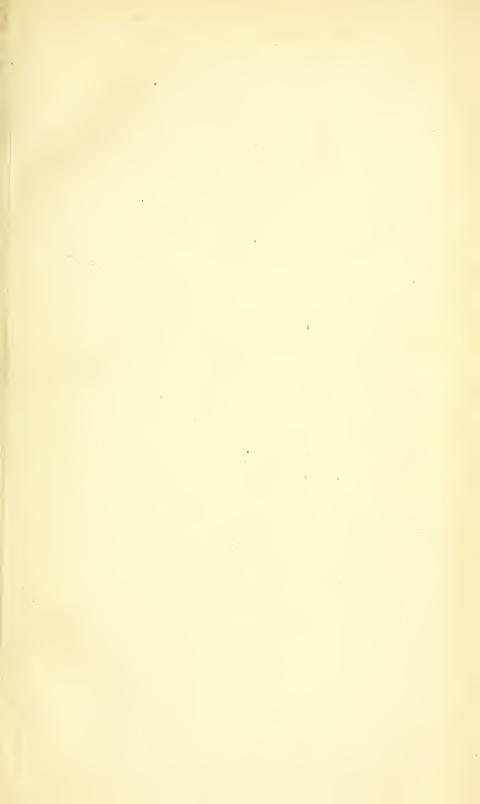


1893-98 A





# SIXTY-FIFTH ANNUAL REPORT

of

### THE TRUSTEES

OF THE

ass,

# WORCESTER LUNATIC HOSPITAL,

AND

TWENTIETH ANNUAL REPORT OF THE TRUSTEES

OF THE

WORCESTER INSANE ASYLUM AT WORCESTER,

FOR THE

YEAR ENDING SEPTEMBER 30, 1897.

BOSTON:

WRIGHT & POTTER PRINTING CO., STATE PRINTERS, 18 Post Office Square.

1898.



# OFFICERS OF THE HOSPITAL.

#### TRUSTEES.

FRANCES M. LINCOLN,			Worcester.
A. GEORGE BULLOCK,			Worcester.
THOMAS H. GAGE, .			Worcester.
HENRY S. NOURSE, .			South Lancaster.
ROCKWOOD HOAR, .			Worcester.
FRANCIS C. LOWELL,			Boston.
SARAH E. WHITIN, .			WHITINSVII.LE.

#### RESIDENT OFFICERS.

1.	IOSEA M. QUINBY, M.D.,			•	Superintendent.
A	LFRED I. NOBLE, M.D.,				Assistant Superintendent.
A	DOLF MEYER, M.D.,.				Assistant Physician and
					Director of Laboratory.
E	DWIN D. BOYNTON, M.I	D.,			Assistant Physician.
G	EORGE A. TRIPP, M.D.,				Assistant Physician.
A	IARGARET A. FLEMING,	M.I	).,		Assistant Physician.
A	. ROSS DEFENDORF, M.I	D.,			Junior Assistant.
R	EVERE R. GURLEY, M.D.	٠,			Junior Assistant.
E	DWIN LEONARD, Jr., M	.D.,			Junior Assistant.
E	MMA W. MOOERS, M.D.,				Junior Assistant.
Т	HOMAS T. SCHOULER,				Steward.
L	ILA J. GORDON, .				Matron.
S	. JOSEPHINE BRECK,				Clerk.
J	OSEPH F. REYNOLDS,				Farmer.

#### NON-RESIDENT OFFICERS.

ALBERT WOOD, .	٠				Treasurer.
GEORGE L. CLARK,					Auditor.
ALVAN G. LAMB,					Engineer.

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# Commonwealth of Massachusetts.

#### TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester Lunatic Hospital respectfully submit their sixty-fifth annual report, together with the reports of the superintendent and treasurer, and the statistical tables, showing in detail the affairs of the institution.

Twenty years ago this month these buildings were first occupied, it having been thought wise to remove the institution from the heart of the city to its present location. The buildings were erected to accommodate 650 patients; from time to time additions have been made suitable for nearly 200 more. The present average is 853, and we have had over 1,000 patients crowded within our walls.

At the present time we have (owing to the generosity of the last General Court) two hospital wards for the care of the sick, in process of construction. These additions, plans for which were carefully arranged by the superintendent with the approval of the trustees, will be admirably adapted to the purpose for which they are designed. We hope to omit the disagreeable iron gratings from the windows, and to make these wards in all respects like similar wards in a general hospital.

It is greatly to be regretted that the additional appropriation asked for, for a new kitchen wing and for the enlargement

of the department occupied by the outside help, was not also given us, as our present accommodations are entirely inadequate for the increased numbers in the building. We shall be obliged, in consequence, to ask again.

A home for nurses in connection with a training school will also be a necessity when the new wards are completed.

Dr. Meyer's work in the hospital and laboratory is placing us in the front ranks of like institutions in the country.

The chestnut grove in the rear of the hospital has been cut down to make larger yards for the excited patients, and the money realized from the sale of the wood is to be used in beautifying the grounds, plans for which have been made by a landscape gardener, and are to be carried out under the supervision of a committee of the trustees. The plans will be carried out gradually, and we hope in time to do as much outside our buildings to cheer and comfort our patients as we do inside to cure them.

Our library is growing yearly. It was established from three small funds, altogether about \$7,000, left the hospital many years ago. The income from these funds enables us to buy between two hundred and three hundred books each year. These books are carefully selected by one of the trustees, who reads each book before placing it upon the shelves. They are for the pleasure of the patients and employees. There are in all 3,127 books in the library. There are at least 160 volumes in the wards all the time; the average change is between 35 and 40 books twice a week. The shelves are now crowded, and it seems a good time to suggest placing bookcases in all the quiet wards, where patients and attendants can have access to the books without formality of card or librarian. They could be changed from ward to ward with little trouble, and would make the wards more cheerful and attractive, and be used much more if they could be taken freely.

A new fire-proof vault for the safe-keeping of our records, which (with the new mode of taking) are most valuable and important, is in process of construction.

The plumbing sections are nearly completed. There has been vexatious delay in getting material for this work, but they will be in use in a few weeks.

The trustees feel that they cannot too highly commend the services of their superintendent, who has been ably seconded by officers and employees.

## Respectfully submitted,

FRANCES M. LINCOLN.
A. GEORGE BULLOCK.
THOMAS H. GAGE.
HENRY S. NOURSE.
ROCKWOOD HOAR.
FRANCIS C. LOWELL.
SARAH E. WHITIN.

Worcester, Sept. 30, 1897.

# VALUE OF PERSONAL ESTATE.

SEPT. 30, 1897.

Live stock on th	ıe far	m,								٠	\$10,762	00.
Produce of the	farm	on ha	nđ,								9,972	00.
Carriages and a	gricu	ltura	lim	plem	ents,						6,950	00
Machinery and	mech	anica	l fix	tures	, .		•				29,509	33
Beds and beddi	ng in	inma	tes'	depa	rtmer	ıt,					29,280	32
Other furniture	in in	mates	s' de	epartı	nent,						22,481	82:
Personal proper	rty of	State	e in	super	rinten	den	t's de	partr	nent,		26,911	99
Ready-made clo	thing	,									1,690	43
Dry goods, .											832	04
Provisions and	groce	ries,								6	4,343	03
Drugs and med	icine,										849	00
Fuel,											2,775	00
Library, .	,										4,500	00
Other supplies	undist	tribut	ed,								5,703	35
Pipes and radia	tors,							4			39,700	00
												_
Total, .											\$196,260	31

#### TREASURER'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

I herewith submit my annual report on the finances of the Worcester Lunatic Hospital for the year ending Sept. 30, 1897:—

#### RECEIPTS.

Cash on hand Sept. 30, 1896,		\$49,746 63
Received of the Commonwealth for support of patients,		36,678 70
of cities and towns for support of patients,		84,274 09
of individuals for support of patients, .		43,534 39
for interest, sale of produce, etc.,		
belonging to patients,		941 77
		\$222,001 82

The expenditures for the year have been as follows: -

Provision	s:—											
Flou	۲, ،										\$5,372	75
	, .										13,099	14
Fish,											2,772	12
Meal	for c	ookir	ıg,								456	90
Bean	s, pot	atoes	and	other	vege	etabl	es,				2,463	28
Suga	r, .										3,549	06
	sses a										359	43
											928	12
Coffe	e, .										1,653	41
Butte	er, .										7,540	14
	se,										576	25
Fresh	h fruit	t, .									920	28
Eggs	s, salt	and o	other	groce	eries	, .					5,380	41
Salaries a											59,969	36
Grain and											3,805	97
Hay and	pastu	rage,	•								497	82
Furnitur	е, .		*		•		٠	٠	٠	•	1,932	98
Amo	unt co	arriec	l foru	vard,							\$111,277	42

· Amount brought forward,								\$111,277 <b>42</b>
Crockery and glassware, .								. 818 18
Tinware,		•	·			Ċ		256 40
Bedding and beds,	·	Ċ	· ·	·	·			1,307 97
Straw,		•	•	Ċ	Ċ	Ċ		85 59
Furnishings, miscellaneous,	•	•	•			·		2.816 82
Tools,	•	•	•	•		•		157 36
Lights,	•	•			Ċ			3,705 70
Water,	•	•			Ċ	Ċ		3,196 02
Fuel,	•	•	•				Ċ	5,380 98
Soap,	•	•	·	•	Ċ			974 34
Medical supplies,	•	•		•	Ċ	Ċ		1,195 30
Live stock,	•	•	•	•	•			1,686 00
Carriages, harnesses, etc., .	•	•		·	•	•	Ċ	337 84
Blacksmithing,	•	•			•		•	516 16
Plants and seeds,	•	•	•	•	•	•	•	492 93
	•	•	•	٠	•			736 40
Hardware,	•	•		•	•	•	•	1,137 72
	•	•	•	•	•	•	٠	1,084 28
Paints, oils, etc., Pipe and fittings,		•	•	•		•	•	935 61
Lime, cement, etc.,		•	٠	•	•	•	٠	658 38
73 1 34		•	•		•	•	•	5,572 82
			•	•	•	•	٠	869 54
*	•	•	•	•	•	•	•	452 35
Stationery,	•	•		•	•	•	٠	316 27
Postage,		•	•	•	•	•	•	293 11
Transportation,		٠	•	•	•	*	•	97 80
Travelling,		•	•	•	•	•		39 88
Trustees' expenses,		•	•		•		•	
Miscellaneous, Pathological department, .			•	٠	•		•	3,873 35
Pathological department, .	•	•		٠	•		٠	2,329 60
Labor,	•	•	•	•	•	•		511 16
Clothing and men's furnishing			•					4,010 73
Dry goods for women, .			•	٠		*	•	1,429 17
Dry goods for house,	•					•		1,708 80
Boots and shoes,								1,194 37
Total current expenses,		•		٠				\$161,456 35
Extraordinary expenses, .					\$1	5,242	15	
Undertaker's charges,					η -	222		
Money refunded,						37	-	
Cash refunded patients, .	·			Ċ		1,012		
Cubil retuined patients,	·	·	·	·			_	16,513 57
Cash on hand Sant 20 1907							-	\$177,969 92 44,031 90
Cash on hand Sept. 30, 1897,	•			*	٠	a	٠.	44,031 90
								\$222,001 82

#### RESOURCES.

Cas	h on hand,										\$44,031	90
	from the Co										9,975	00
	from cities	and	towi	ns for	· boa	ırd, et	c.,				20,742	39
	from indivi	dual	s for	boa1	d, e	tc.,					10,955	70
											\$85,704	99
					Lı	ABILI	TIES.					
Due	for supplies	and	imp	orove	men	ts,.		\$10	,286	73		
	for salaries	and	wag	es,				Ē	5,011	25		
	to patients,							1	,917	61		
											17,215	59
	Total surplu	ıs,				٠.					\$68,489	40

# Respectfully submitted,

# ALBERT WOOD,

Treasurer.

Ост. 1, 1897.

#### HOSPITAL LIBRARY FUND.

#### LEWIS FUND. Received interest on Springfield bond, . . . \$70 00 Expended for books, . . . . . . . . \$39 31 Rent in State safe deposit vault, . . . . 5 00 20 00 Deposit in Worcester County Institution for Savings, \$70 00 WHEELER FUND. Cash on hand Sept. 30, 1896, . . \$33 45 Received dividends, . . . . . . . 212 06 \$245 51 \$245 51 LEWIS FUND INVESTMENT. Springfield bond, Worcester County Institution for Savings, . . . 110 10 \$1,290 10 WHEELER FUND INVESTMENT. Seven shares Central National Bank, . . . \$945 00 Six shares Worcester National Bank, . . . Worcester County Institution for Savings, . . . 870 00 . 1,145 86 Worcester Five Cents Savings Bank, . . . . 1,719 49 \$4,705 08 MANSON FUND INVESTMENT. Worcester County Institution for Savings, . . . \$1,206 17 Dividends added to principal, . . . . 48 24 \$1,254 41 \$7,249 59

### LAND ACCOUNT.

Cash on hand Sept. 30, 1896,							\$139 43
Cash received from sale of land,				•	•		517 50
							\$656 93
Exp	ENDI	TURES	١.				
Commission,				8	\$15	00	
Surveys, deed, etc.,					10	80	
Cash on hand Sept. 30, 1897,	٠	•	٠		631	13	\$656 93

# Respectfully submitted,

# ALBERT WOOD,

Treasurer.

Ост. 1, 1897.

Worcester, Mass., Oct. 25, 1897.

I hereby certify that I have this day compared the treasurer's statement of disbursements for the year ending Sept. 30, 1897, with the vouchers on file at the Worcester Lunatic Hospital, and find them to agree. I have also inspected the securities representing the invested funds of the institution, and find that their market value is as stated.

GEORGE L. CLARK,
- Auditor of Accounts.

#### SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

I herewith respectfully submit the following report of the hospital for the year ending Sept. 30, 1897, it being the sixty-fifth annual report.

There remained at the hospital Oct. 1, 1896, 861 patients,— 377 men and 484 women. During the year 542 patients - 288 men and 254 women - were received; 453 - 235 men and 218 women — were discharged; and 48 men and 35 women died, leaving at the end of the official year 867 patients, - 382 men and 485 women. Of this number, 274 were supported by the State, 444 by cities and towns and 149 by friends. Of the 453 persons discharged, 85, including 9 habitual drunkards (women), were reported recovered; 68 as much improved; 64 as improved; and 235, including 1 habitual drunkard (woman), not improved; 1 woman was discharged not insane. Fifteen men and 15 women were removed by the overseers of the poor; 35 men and 32 women were discharged to the care of the Board of Lunacy and Charity, to be removed from the State; 61 men and 70 women were transferred to the Medfield Insane Asylum; 7 men and 5 women to the Boston Lunatic Hospital; 1 man and 1 woman to Westborough; 3 women to Tewksbury; 1 man to Bridgewater; 1 man to the Danvers Lunatic Hospital; 1 girl to the School for Feeble-minded; and 1 woman was boarded out. One woman was returned to the Reformatory Prison for Women and one woman to the Worcester jail. Five men escaped, and were not returned to the hospital at the end of the official year.

During the year the discharges, including the deaths, have very nearly equalled the admissions, so that, at the close, our number remained practically the same as at the beginning of the year.

Our daily average number has been 853.5, which is about our present normal capacity.

The percentage of recoveries, calculated upon the number of discharges and deaths, was 15.85, the same as last year; calculated upon the number of admissions, it was 15.68.

The death rate was 9.72, calculated upon the average number of patients; and 5.91, calculated upon the total number under treatment.

There has been no unusual amount of sickness in the house during the year. We have, however, had two cases of diphtheria, one at the farm-house and one at the hospital, both in Happily each of them recovered, and no other cases followed. There have been in all 83 deaths, 24 less than during the previous year. In 36 of these cases we have been enabled, with the permission of the friends, to verify or determine the diagnosis by an autopsy. It is to be wished that still more of the friends of patients could be induced to overcome their prejudices in this direction, as we feel assured they would do, did they realize how important, even from a purely humanitarian stand-point, an autopsy is. It is certainly from no mere curiosity, whether scientific or otherwise, that we urge an examination in all instances, but solely on account of the great assistance which an accurate knowledge of the condition of the brain and the other organs of the body gives us in carrying on that exhaustive study of our cases which we have undertaken, in order that we may determine, if possible, the exact nature of the processes underlying the disease. It is through autopsies alone that certain problems in regard to the brain and its diseases can be solved, - problems which may have an important bearing upon the treatment and cure of insanity.

By a reference to our statistical tables, it will be seen that we have changed somewhat the older classification of insanity and replaced it by one closely following the principles of Kraepelin's psychiatry, as set forth in a review of Kraepelin's work, in the "American Journal of Insanity," Vol. LIII., pages 298-302. Here the acute forms of insanity are classified according to whether they are processes of deterioration with or without remission (katatonia with occasional remissions, or dementia precox practically without any remissions), or whether

they belong to the group of periodic insanity (mania, with its various types, circular stupor, melancholia, etc.). The melancholia of the pre-senile and climacteric periods have been classified apart. The various forms of alcoholic insanity (delirium tremens, subacute and chronic alcoholic hallucinations, etc.) are not specified. The group of constitutional inferiority includes a variety of defects, such as moral imbecility, constitutional neurasthenia, etc., which may be subdivided into several types. This, however, will be the task of a special comparative study of cases, which necessarily oversteps the limitation of mere statistics.

The plans for the reorganization of the medical work of the hospital, as detailed in my last report, have now been in operation a full year. As was perhaps inevitable in such an important and wide-reaching an undertaking, we find that we have not accomplished quite all that we had hoped, and that our plans have still to be perfected in many of their details; but the results already attained have been eminently encouraging, and fully warrant all the outlay in the way of time, energy or expense which has been found necessary in carrying them out. Although our work is greatly increased, no one would now for a moment think of returning to the old methods. Besides making an exhaustive study and full record in all recent cases, we have, so far as possible, compiled the histories of the older patients after the new plan, making them as full and accurate as the lapse of time since the inception of the disease would allow. We have also taken advantage of the relief given us from overcrowding (through the transfer of some two hundred chronic cases to the Medfield Asylum) to reclassify our patients, grouping together all of the recent cases, and those in which the disease is still in a transition state, on the first two floors of the hospital, where they can more easily be observed.

The staff of the hospital now consists of the superintendent, who is in charge of all the medical and administrative work of the hospital; he is assisted by the assistant superintendent, who is at the same time in direct charge of the acute cases of the female department; the second assistant is in charge of the acute cases of the male department; and the third and fourth assistants have the wards for the chronic patients. Each assist-

ant physician has a junior assistant to help him. The supervision over the purely medical work of the hospital is put in the hands of a physician who is as far as possible free from routine and administrative duties, and who is director of the clinical and pathological work.

The division of labor is carried out as follows: the first floors are reserved, as has been stated, for the observation cases; the second floors, for observation cases and some private patients; the third and fourth floors are occupied by patients who do not need continual clinical observation in the strict sense of the word, *i.e.*, chronic cases and patients in stationary phases of their disease. Each physician has two floors of the male or female side under his charge.

The patients are given a complete mental and physical examination as soon as possible after admission. The examination is made by the physician in charge, with the help of the junior assistant. The physician on the third and fourth floors also takes his share of examinations, since his medical duties are considerably less than those of the physician in charge of The history is taken by the junior the observation cases. assistant, from the patient, from the friends and by correspondence. As soon as the necessary data are at hand, the physician who examined the case reports to the staff meeting, makes a summary of the available facts and a diagnosis, which is submitted for discussion. A provisional prognosis is made, and where necessary the treatment is discussed. The further duty of the physician is to continue the record of the patient, with the help of the junior assistant. Notes are taken in the ward, at the medical round, and handed to the stenographer to be typewritten. The clinical microscopy and analysis of urine, etc., are done by the junior assistant.

In order to keep up a uniform arrangement and completeness of the records, the director of the clinical and pathological work outlines the scope and order of the history and the case record. He sees the patient with the physician in charge every second morning, and is responsible for the accuracy and usefulness of the record.

The staff meetings take place from 11.30 to 12.30. The time is devoted to the report of the cases recently admitted,

to those ready for discharge, and to matters of importance occurring in other patients. The report of deaths and autopsies is also considered. Frequently the patients themselves are brought before the staff for clinical demonstration.

The autopsies are made by the physicians and junior assistants. The brain is usually examined by the director of the pathological work, and the plans for the future microscopical examination and the necessary preparatory steps are outlined by him. The work is to some extent distributed among the junior assistants, according to their interest and ability.

This general plan has given much satisfaction, and the attempt made to group the result of the year's observations has revealed a steady improvement of the material, and much evidence of a faithful elaboration of the plan adopted.

Apart from the work directly referring to the patients, the medical spirit of the staff is further cultivated by regular weekly journal meetings. The liberal supply of books and periodicals allowed by the Board of Trustees makes a division of labor necessary. Each physician takes a number of journals and reports the contents briefly, frequently in connection with a short review of the whole field to which a given article belongs.

During the winter months a course on neurology, embracing especially the anatomy of the nervous system, was given by Dr. Meyer; also occasional instruction on methods, clinical and pathological. Apart from the current work in the laboratory, the minute study of special specimens and the preparation of material to illustrate the normal histology of the nervous system were carried on. Among these studies we mention: (1) a case of middle ear disease with acute facial and auditory paralysis and typical secondary lesions in the medulla oblongata (to appear in the "Journal of Experimental Medicine"); (2) a histological study of the nervous system of one of Dr. Sanger Brown's cases of heredo-ataxia (to appear in "Brain"); (3) the nervous system of an anencephalus, and of normal fetal brains (cut in complete series); (4) the secondary degenerations in a case of infantile hemiplegia with sclerosis of the temporal and parieto-occipital lobe of one hemisphere (also cut in complete series); (5) normal series of the human brain stem,

etc.; (6) studies of brain cells in various forms of insanity, partly communicated by Dr. Meyer at the meeting of the Medico-Psychological Association in Baltimore.

During the second term (January to March, 1897) a series of lectures and clinics to the students in psychology of Clark University was given, in which the medical staff of the hospital took part. During the summer school a course of ten lectures at Clark University and two clinical demonstrations at the hospital were arranged.

This plan may safely be said to have grown, on a natural basis, out of the conditions present in the hospital, and to be the outcome of the medical needs of the institution. to do the best that medical science can do for the patients, and to gather from the experience, systematically and conscientiously, all that may benefit the work. Thus it becomes incidently a plan for research work, in the same way as every physician will try to use his experience for the future, - only with the advantage that the co-operation of ten physicians, with the same methods and the same aim in view, will be likely to be more fortunate in the results of research than one physician alone can expect to be. "Efficiency of the work on ground of well-sifted experience" is its purpose; it is not put on the basis of experimental stations, of which the financial spirit of the administration might urge results in the shape of startling discoveries or a discontinuance of the financial support. Although we may confidently expect that, in time, results of great scientific value will of necessity come from such a plan, its true raison d'etre rests upon the added interest and efficacy which it gives to the every-day work of the hospital, to say nothing of its direct and immediate effect upon the patient, in that it assures him that he is being treated individually, rather than en masse.

The principal point is that all the physicians are kept in contact with the best work that literature gives evidence of, with the best methods that we can agree upon, and with a spirit which considers guess-work the most dangerous enemy of medical practice. With this attitude, every physician is likely to do his best work in all his relations to the patient and to the administration of the hospital.

Plans for the opening of a training school for nurses have been under consideration during the year; and, in fact, what may be regarded as a beginning, in a tentative way, has already been made, in that our attendants have been brought together at various times for purposes of instruction as to their duties. That this has not been done regularly and systematically is due entirely to a lack of time on the part of the hospital staff, so much of their attention having of necessity been required during the year in getting our new medical work fairly under way. Many household problems have also come up which it was necessary to settle before such an important undertaking could be successfully inaugurated, involving, as it necessarily does, many radical changes in our present nursing force. Now, however, our plans are so far perfected that we are in a position to go about the formal opening of such a school just as soon as we can feel reasonably assured that accommodations will be provided for a superintendent of nurses and the additional help necessary for our new infirmary wards.

It may not be out of place in this connection to mention one other reason which, hitherto, has held us back somewhat whenever the formal opening of a training school was under consideration, and that is, a feeling that a lunatic hospital was not in a position to offer those facilities for an all-round training which the nurse and the general public might reasonably demand from an institution which undertook to graduate trained nurses. There is now, however, every prospect that this difficulty will soon cease to confront us, as negotiations are in progress with our city hospital, looking toward an interchange of nurses. This will no doubt be of mutual benefit, in that it will enable such of our nurses as desire to do so to complete their training at a general hospital, and will give those of the latter institution an opportunity to become familiar with the care and nursing of the insane.

I would again call attention to the necessity for remodelling and enlarging that portion of the hospital in the rear of the centre building which is devoted to our outside help, and also to the need of increased kitchen facilities. As pointed out at length in my last report, this has now become an imperative necessity, as we have long since outgrown both of these de-

partments, and must have additional room to properly carry on the affairs of the institution. When the hospital was first opened the facilities here provided were no doubt ample for the 400 or 425 patients which the building was intended to accommodate; but since then the entire fourth story in both wings of the hospital has been fitted up and filled with patients; two additional wards have been built, and various rooms in each of the wards, originally intended for workrooms or for sitting rooms, have from time to time been turned into dormitories, until finally our number of patients has more than doubled. In the mean time there has been no corresponding growth in the department devoted to the help; and our kitchen facilities remain practically such as they were when the hospital was first opened. During the past year the needs of the institution have caused us to add largely to our medical staff and our clerical force; before the close of the present year two new wards will have been added, accommodating 90 more patients, and we shall also be called upon to provide for a superintendent of the training school, as well as for additional nurses, - all of which means additional cooking, additional washing and additional service, demands which will fall upon departments which are already being run at their highest tension. To the casual visitor and even to the general household these departments are but little in evidence when everything goes as it should; but about them centre the entire executive work of the institution, and any hitch or defect here at once makes itself apparent through the entire establishment.

An appropriation of \$80,000 was granted by the last Legislature for the building of the two infirmary wards. Plans and estimates therefor have been completed and approved by the governor and council, and a contract entered into with J. W. Bishop & Co. of this city to build the same, they being the lowest bidders. Ground was broken on September 13, and the contractors promise the completion of the work on or before August 1 of the coming year.

When these buildings are completed, it is proposed to employ women nurses upon the male infirmary wards and also upon the four Appleton wards (male) adjacent thereto. This will necessitate the building of a nurses' home, where our

female employees can be provided for outside of the wards of the hospital when not on active duty. The necessity for such a home in every well-appointed hospital, whether general or insane, can no longer be questioned; but it is especially necessary as an adjunct of a training school, and is an important part of our plan to provide female nurses for the male wards, a plan which, if carried out, will, we feel assured, greatly improve the service of the hospital and add vastly to the comfort of its patients.

In order to make room for the additional assistants in the medical department, the steward, who with his family has hitherto occupied rooms in the centre building, moved early in the year to the farm-house, still, however, keeping his office at the hospital. This change has proved eminently satisfactory, in that it provides a responsible head for what is really a ward of the hospital, and at the same time gives the steward more comfortable and larger quarters, and a better opportunity for keeping a general oversight over the farm and the outside work of the institution, while it in no way interferes with his other duties.

A reference to the farm account, which is herewith appended, will show that the prediction made in last year's report has proved true; and, while the past year can hardly be regarded as an average one, the farm, although charged with the support of the patients employed thereon, shows a balance on the right side.

Among the more important repairs and improvements made during the year we would mention: the digging up and recovering of our main steam pipes; the building of a silo, of two hundred and fifty tons capacity, at the Hillside farm; and the putting in of the Lynn stall and the construction of an annex to our stable, containing a pit for the storage of manure and two tanks for liquids, each holding five thousand gallons, so arranged that they can be easily drawn off and the contents applied as a fertilizer. We have been unable, heretofore, to use soft coal, on account of the proximity of our main chimney to our clothes yard and the consequent soiling of the clothing from smoke and soot. To obviate this difficulty we have now relocated this yard, building a retaining wall and filling in the

necessary land on the east side of the laundry. This change will enable us to greatly decrease the expense of heating the buildings.

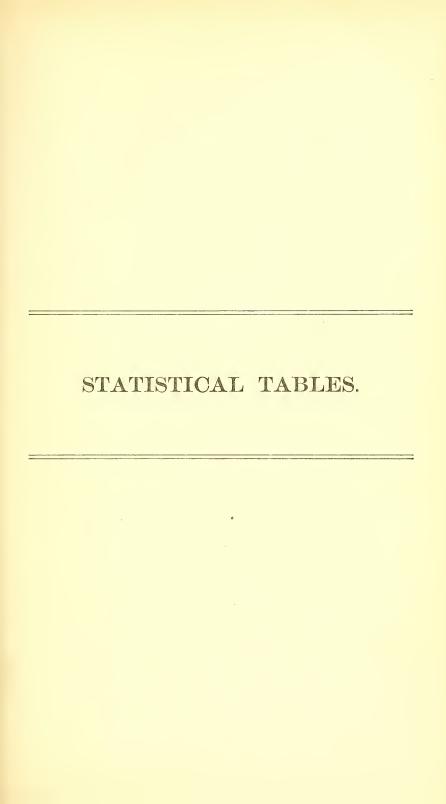
The current expenses, less the amount received for articles sold, have been \$155,708; dividing this by 853.5, the daily average number of patients, gives \$182.43 as the annual cost of support, which is equivalent to a weekly cost of \$3.50. This considerable increase in cost over that of past years is due to our greatly decreased number of patients, and to the fact that it was impossible to at once diminish our expenditures in a like ratio.

Dr. Appleton H. Pierce resigned his position at the hospital in December, to enter general practice, and his place was filled by the appointment of Dr. George A. Tripp.

H. M. QUINBY,

Superintendent.

WORCESTER LUNATIC HOSPITAL, Sept. 30, 1897.



1. — General Statistics of the Year.

Oct. 1, 1896,         Totals.         Females.         Totals.         Totals.         Males.         Females.         Totals.         Males.         Totals.         Totals. <t< th=""><th></th><th></th><th></th><th>INSANE.</th><th></th><th>HABITI</th><th>HABITUAL DRUNKARDS.</th><th>CARDS.</th><th></th><th>AGGREGATE.</th><th></th></t<>				INSANE.		HABITI	HABITUAL DRUNKARDS.	CARDS.		AGGREGATE.	
the hospital,			Males.	Females.	Totals.	Males.	Females.		Males.	Females.	Totals.
es within the year,  es within the year,  e year:  at time of leaving the hospital,  ved,  ved,	Patients in the house Oct. 1 1896		376	489	858	,	6	cc	377	484	861
e year:—  at time of leaving the hospital,  ved,  ved,  town patients,  town patients,  town patients,  town patients,  persons admitted within the year,  at of patients:—  ved at time of leaving the hospital,  49  27  44  44  49  27  44  44  49  66  -  112  28  83  -  142  182  84  84  86  -  113  114  115  115  115  115  115  115	Admitted within the year.		288	243	531	1	11	11	288	254	542
e year: — at time of leaving the hospital,	Whole number of cases within the year,	٠	<b>†99</b>	725	1,389	-	13	14	665	738	1,403
to thine of reaving the hospital,	Discharged within the year:—		9	0.7	27.		c	c	70	96	0
toved, yed, yed, yed, yed, yed, yed, yed, y	Viz.: as recovered at time of leaving the hospital,	•	94.0	77.0	07	1	n c	n G	943	00	ဂ္ဂ ဝ
ved,       112       129       234       1	as innen injeroved,	•	67	70	00	1	ν,	7 1	67	60	000
ved,	as improved,	٠	44	19	63	1 ,	~	<b>⊣</b> ,	44	202	04
bet. 30, 1897,	as not improved,		112	122	234	7	1	_	113	122	235
ept. 30, 1897,	as not insane,	٠	1	<u> </u>		1	ŀ	ı	1	_	<u> </u>
ept. 30, 1897,	Deaths,	•	48	35	83	1	ı	ı	48	35	833
State patients,       142       131       273       -       1       1         town patients,       185       259       444       -       -       -         persons within the year,       657       721       1,378       1       11       12         persons recovered within the year,       283       242       525       -       9       9         persons recovered within the year,       49       27       76       -       8       8         s.       -       -       -       -       -       -       -       -	Patients remaining Sept. 30, 1897,	٠	385	484	998	1	Ţ		382	485	867
town patients,	Viz.: supported as State patients,	٠	142	131	273	1	-		142	132	274
year,, 657 721 1,378 1 11 12 72thin the year,, 49 27 76 - 8 8		٠	185	259	444	1	1	1	185	259	444
year, 657 721 1,378 1 11 12 12 14 15 15 15 15 15 15 15 15 15 15 15 15 15	private patients,	-	55	94	149	1	1	1	55	<del>1</del> 6	149
Athin the year, 283 242 525 - 9 9 within the year,	Number of different persons within the year,.		657	721	1,378		11	12	658	732	1,390
within the year, 49 27 76 - 8 8	Number of different persons admitted within the year, .		283	242	525	1	6	6	283	251	534
	Number of different persons recovered within the year,	٠	49	22	92	ı	œ	00	49	35	84
1 1	Daily average number of patients: -	_								0	9
	Viz.: State patients,		1	1	1	1	ı	ı	118.57		103.43 221.92
1 1	town patients,		1	ı	1	1	ı	ı	212.84		270.71 483.65
private patients,	private patients,	٠	ı	1	1	1	1	1	56.81		91.18 148.01
											~

2. — Monthly Admissions, Discharges and Averages.

		1	9.	.03	14.		80	.34	∞,	90.	.37	.53	.35	.48	.36	1	1	.50
ATIENTS	Totals.		853.	869.03	770		880	871.	844	845	841.	848	813.35	839	862.			853.50
DAILY AVERAGE OF PATIENTS IN THE HOUSE.	Females.		480.45	486.66	407.04		486.41	468.23	438.06	443.23	448.11	451.43	450.06	468.25	480.23	i	ŀ	465.32
DAILY AV	Males.		373.15	382.37	77.600		394.38	403.1	406.74	401.83	393.25	397.1	363.29	371.23	382.13	ı	1	388.18
	Totals.		9	∞ <del>-</del>	1		က	ဘ	14	6	9	0.1	2	9	က	83	ı	ı
DEATHS.	Females.		-	<b>©1</b> 0	0		-	70	9	2	_		671	ς <sub>1</sub>		35	1	ı
	Males.		20		3		63	က	00	7	2	_	20	4	01	48	1	ı
	Totals.		13	21	3		50	. 76	23	28	36	00	106	36	40	453	449	ı
DISCHARGES.	Females.		9	===	# 7		10	65	6	17	16	જ	40	15	13	218	216	1
q	Males.		2	10	70		10	22	14	11	50	9	99	21	28	235	233	1
	Totals.		40	51	, H		33	52	39	41	37	42	02	99	37	542	535	ı
ADMISSIONS.	Females.		18	24 	7		15	23	16	56	18	50	36	56	17	254	251	ı
4	Males.		22	27	3		18	53	23	15	19	22	34	37	20	288	284	ı
			•	•			٠	•	•		٠	٠	٠		•	٠	•	•
							٠						٠		•			•
MONTHEIG	MON THE	1896.				1897.										Total of cases, .	Total of persons,	Daily average, .
			Oetober, .	November,	, coompos		January, .	February,.	March, .	April, .	May,.	June, .	July, .	August, .	September,	Total o	Total o	Daily a

3. — Received on First and Subsequent Admissions.

					CA	SES ADMITT	ED.		RECOVERED.	
NUMBER (	)F TH	E ADI	MISSI	JN.	Males.	Females.	Totals.	Males.	Females.	Totals.
First, .					245	211	456	_	_	_
Second,					34	27	61	8	6	14
Third, .					6	8	14	3	2	5
Fourth,					3	6	9	1	4	5
Fifth, .					_	1	1	-	1	1
Sixth, .					_	1	1	-	1	1
Total	of ca	ıses,			288	254	542	12	14	26
Total	of pe	erson	s, .		284	251	535	11	13	24

#### 4. — Relation to Hospitals of Persons admitted.

	J						 		
но	SPI	ral R	ELAT	ions.			Males.	Females.	Totals.
Never before in	an	y hos	pital	for in	ısane	, .	225	204	429
Former inmates	of	this l	31	35	66				
Former inmates	of	other	hos	pitals	only	, .	20	7	27
Former inmates	of	this a	nd o	ther l	nospi	tals:			
California,							1	_	1
Cranston,							-	1	1
Danvers,							1	1	2
Medfield,				•			1	1	2
McLean,							2	-	2
Taunton,							-	1	1
Taunton ar	ıd I	anve	rs,				_	1	1
Westborou	gh,					٠	3	-	3
Total of	per	sons,					284	251	535

5. — Parentage of Persons admitted.

	Ма	LES.	FEM	ALES.	Тот	'ALS.
PLACES OF NATIVITY.	Father.	Mother.	Father.	Mother.	Father.	Mother.
Massachusetts,	39	43	20	25	59	68
Other States:						
Maine,	12	10	6	8	18	18
New Hampshire,	17	15	8	6	25	21
Vermont,	4	4	2	_	6	4
Rhode Island,	-	1	1	-	1	1
Connecticut,	2	1	_	1	2	2
New York,	4	4	1	2	5	6
New Jersey,	-	2	_	_		2
Virginia,	1	2	-	-	1	2
North Carolina,	1	1	_	_	_	1
South Carolina,	1	_	_	1	1	1
Other countries:—			1			
Canada,	18	16	10	8	28	24
Nova Scotia,	5	4	3	4	8	8
New Brunswick,	1	1	_	1	1	2
Newfoundland,	1	-	1	1	2	1
Scotland,	7	4	4	4	11	8
England,	8	8	4	3	12	11
Ireland,	84	90	92	94	176	184
Wales,	1	-	1	- 1	2	_
Norway,	2	2	_	-	2	2
Sweden,	12	12	6	6	18	18
France,	-	-	2	1	2	1
Holland,	_	- 1	1	1	1	1
Belgium,	1	1	-	-	1	1
Finland,	4	4		-	4	4
Spain,	1	1	1	-	1	1
Germany,	7	8	5	5	1 12	13
Ruggio	3	3	5	5	3	3
Anctrio	4	4	_	-	4	4
Armenia,	1 1	1	_	-	1	1
Italy	1 1	1	_	_	1	1
Downardo	1 1	1			1	1
West Indies.	$\frac{1}{2}$	i	_	_	2	1
,	-	-			_	
Unknown,	40	39	83	80	123	119
Total of persons,	284	284	251	251	535	535
	1				- 1	

6. — Birthplace of Persons admitted.

	PLAC	ES O	F BIF	ктн.				Males.	Females.	Totals.
Massachusetts,						٠		99	77	176
Other States: -	_									
Maine,							.	10	10	20
New Hamp	shire	3.						12	8	20
Vermont,		,						7	2	9
Rhode Isla							.	3	3	6
Connecticu	t.		Ċ		· ·			4	1	5
New York.		•	•		•			$\tilde{9}$	$\tilde{7}$	16
New Jerse		:	•		•	•	.	ĭ	_	1
Pennsylvai		•	•	•	•	•	•	2	3	5
Washingto	n D	Ċ	•	•	•	•	•	_	2	2
Virginia,	ц, р.	U.,	•	•	•	•		1	_	ı
		•	•	•	•	•	.		1	1
West Virg	ınıa,	*	•	•	•		•	-	1	1
Ohio,		•	•	•	•	•	•	_	$\frac{1}{2}$	2
Michigan,		•	•	•	•		•	7	Z	1
Arkansas,		•	•	•	•	•	•	1	-	
Texas,	•	•	•		•	•	•	1	_	1
Other countries										
Canada,	. —							12	12	24
Nova Scoti		•	4	•	•	•	•	7	8	15
New Bruns	a,		•	•	•	•	.	3	3	6
Prince Edv	SWICE	Talas	٠.	•	•	0	•		3	3
			1u,	•	•	•	•	$\frac{-}{2}$	2	4
Newfound	lana,			•	•		•	2		3
Scotland,	•	•	•				•	2	1	
England,							•	9	8	17
Ireland,							•	50	68	118
Norway,								3	-	3
Sweden,								11	10	21
France,								_	1	1
Finland,				4				4	_	4
Holland,								_	2	2
Belgium,								1	_	1
Germany,								7	4	11
Russia,								3	3	6
Austria,	Ť.							3	_	3
Armenia,	•	:	•	•		•		ĭ	_	1
Italy, .	•	-	•	•	•	•		1	2	9
	•	•	•	•	•	•		1	2	1
Azores,		•		•		•	*	1 1		1
Bermuda,					•	•	•		_	2
West Indi	es,	•		•		•	•	2		
Unknown,.	٠	•	•	•	•	٠	•	11	7	18
Totals,								284	251	535

7. — Residence of Persons admitted.

		-							
	PLA	CES.					Males.	Females.	Totals.
Hampshire,									
Essex, .							_	1	1
Hampshire,					•		1	_	1
Middlesex,							93	70	163
Norfolk, .						,	6	4	10
Plymouth, .					• 0		_	1	1
Suffolk, .							57	75	132
Worcester, .							127	100	227
Totals, .			. •				284	251	535
Cities or towns,							284	251	535
Country districts,							_	_	_

8. — Civil Condition of Persons admitted.

	Totals.	449	61	14	6	-	1	535
TOTAL.	Females.	208	27	∞	9		1	251
	Males.	241	34	9	හ	1	1	284
	.lstoT	15	1	ı	1	1	1	15
UNKNOWN.	Females.	1	ı	ı	ı	ı	1	1
Ω	Males.	14	1	1	I	ı	ł	14
	Totals.	П	1	1	1	1	ı	2
DIVORCED.	Females.	1	1	1	ı	1	1	1
9	Males.	I	1	1	ı	ı	ı	1
	Totals.	46	7	Н	ı	ı	1	54
Widowed.	Females.	29	5	-	ı	1	1	35
E .	Males.	17	7	1	ı	1	1	19
	Totals.	196	27	2	67	1	-	233
MARRIED.	Femsles.	85	12	20		1	-	104
, a	Males.	111	15	23	-	1	ı	129
D.	Totals.	192	27	4	2	_	ı	231
Unmarried.	Females.	92	10	2	ū	7	1	110
ď	Males.	100	17	2	7	1	l	121
			-	•	•	•	•	٠
	X.							
	SSIO							
	ADMISSION,	First,	Second, .	Third, .	Fourth, .	Fifth, .	Sixth, .	Totals,

## 9. — Occupations of Persons admitted.

		-	apao	0700 0)	1 ersons committee		
				FEMA	LES.		
Clerk,				1	Stenographer,		1
Cook,				1	Shirtmaker, .		1
Cotton picker,				1	Shoestitcher, .		1
Dressmakers, .				4	Student, .		1
Domestics, .				43	Teachers, .		6
Housekeepers,				39	Type-setter, .		1
Housewives, .				61	Waitress, .		1
Laundresses, .				2	Washerwomen,		3
Lodging-house ke	eper	, .		1	Weaver, .		1
Milliner, .				1	Unknown, .		16
Operatives, .				10	No occupation,		49
Straw worker,				1			
Seamstresses,.			•	5	Total, .	•	251
				MAI	LES.		
Artist painter,				1	Druggists, .		2
Barbers,				5	Farmers, .		19
Blacksmiths, .				$^2$	Firemen, .		2
Book-keepers,				3	Fish dealer, .		1
Bookbinder, .				1	Gardeners, .		2
Butcher, .				1	Iron worker, .		1
Butter and egg de	ealer,	, .		1	Insurance clerk,		1
Canvassers, .				2	Jeweller, .		1
Cabinet makers,				3	Laborers, .		55
Carpenters, .				7	Lather,		1
Carriage washer,				1	Lumber dealer,		1
Carders in mill,				2	Machinists, .		10
Clerks,				12	Masons,		4
Cigar maker, .				1	Mechanics, .		2
Coachman, .				1	Messenger boy,		1
Comb maker,				1	Moulder, .		1
Cook,				1	Motorman, .		1
Confectioner,				1	Operatives, .		21
Conductor, .				1	Painters,		8
Dentist,				1	Pailmaker, .		1

## 9. — Occupations of Persons admitted — Concluded.

		MAI	ES-C	Concluded.			
Peddler,			1	Students, .			2
Printers,			4	Tailors,		٠	2
Professor of music,			1	Teacher,			1
Photographers, .			2	Teamsters, .			7
Plumbers,			2	Telephone linema	n,		1
Railroad employees,			3	Tinsmith, .			1
Religious editor, .			1	Tool sharpener,			1
Restaurant keeper,			1	Upholsterer, .			1
Rigger,			1	Violin maker,			1
Rubber worker, .			1	Waiter,			1
Sailor and cook, .			3	Watchmen, .			2
Stable keeper, .			1	Weavers, .			6
Sewing machine agent	, .		1	Wire agent, .			1
Steamfitter,			1	Wire worker, .			1
Shirt cutter,			1	Unknown, .			13
Shoemakers,			5	No occupation,			28
Shoe dealer,			1				
Stone cutter,			1	Total, .			284
Storeroom keeper,			1				

10. — Probable Causes of Disease in Persons admitted.

		PER	PERSONS ADMITTED.	LDMITT	ED.				INSANE	(B)			I	HABITUAL DRUNKARDS.	AL DI	RUNKA	RDS.	
CAUSES.	_	INSANE.		H. DRI	HABITUAL DRUNKARDS,	L DS.	P.B.	PREVIOUS ATTACKS.		HER	HEREDITARY PREDISPOSITION	Y. ION.	PRI	PREVIOUS ATTACKS.		HEE	HEREDITARY PREDISPOSITION.	RY FION.
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ма.	Fe.	Tot.	Ma.	Fe.	Tot.
1. Physical:—Crebral hemorrhage, Cerebral hemorrhage, Epilepsy and intemperance, Epilepsy and intemperance, Inflinisis, Phthisis and nebritis, I spitope, I agrippe, I agrippe, I agrippe, I berperal infection, I berganacy, I be	F		8311841172117211418481741811	11111111111111111111111111111111111			133111111111111111111111111111111111111	111111111111111111111111111111111111111	111111111111111111111111111111111111111	4414114111111414111414114	11141101110410114111111045	11.181.131.131.131.131.131.131.131.131.1		111111111111111111111111111111111111111	111111111111111111111111111111111111111		111111111111111111111111111111111111111	1111111111111111111111111111111

10. — Probable Causes of Disease in Persons admitted — Concluded.

		PERS	ONS A	PERSONS ADMITTED.	ED.				INSANE.	NE.	ı			HABIT	TAL I	HABITUAL DRUNKARDS.	ARDS.	
CAUSES.	NI II	INSANE.		HADRU	HABITUAL DRUNKARDS.	, ø	P.F. A.T.	PREVIOUS ATTACKS.	w .:	HER	HEREDITARY PREDISPOSITION.	RY ION.	P.I.	PREVIOUS ATTACKS.	w	PRED	HEREDITARY PREDISPOSITION.	IRY TION.
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1.—Physical—Concluded.  Masurbation.  Masurbation and intemperance,  Masurubation and injury to head,  Injury to leg and amputation,  Fracture of thigh and intemperance,  Injury to head,  Fracture of ribs,  Guushot wound (crabial),  Overwork,	51222182118	0041104100	21 4 1 1 1 1 0 1 1 1 6	1111111111			-11111110	1:::::::		001H14H110		4011101110	111111111	111111111	11111111	1111111111	111111111	
2. — Mental: —  Overstudy, Overstudy, Christone excitement, Christon sectore, Fright, Nostalgia, Disertion by husband, Disappointment in love, Family trouble, Remaily trouble, Bereavement, Worry, Mental worry and bereavement, Financial trouble, Unknown,	00000000000000000000000000000000000000	414 11 11 11 11 12 12 18 0 0	84.6111.611.64.83		111111111111	1111111111111	Φ11111111100m	E 1 - 1 1 1 1 - 1 61 1 - 8	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 111111111141	41111114411111	80 H 20   1   1   1 21 72 H   1 H 4		1111111111111		, , , , , , , , , , , , , , , , , , , ,		
3 Not insane,	1	1	1	'	1	1	J	1	1	1	ş	1	1	1	ı	1	1	ı
Totals,	284	242	526	ı	6	8	26	38	64	103	106	209	,	က	60		65	ಣ

11. - Record of Cases admitted within the Year.

		INSANE.		Habit	HABITUAL DRUNKARDS.	ARDS.		AGGREGATE.	
PATIENTS.	Males.	Females.	.elstoT	Males.	Females.	.elatoT	Males.	Females.	.elatoT
Admitted,	288	243	531	ı	111	11	288	254	542
Discharged recovered,	93	14	53	1	_	2	39	21	09
much improved,	14	13	27	1	67	7	14	15	29
improved,	20	2	27	ı	П	-	20	œ	38
not improved,	43	88	81	-	ı	1	44	38	85
not insane,	1		· 🗝	ı	ı	1	1	1	
Died,	20	11	31	ł	ı	1	20	11	31
Remaining Sept. 30, 1897,	151	159	310	ı	-	П	151	160	311
Number likely to recover or improve,	89	51	119	ı	П	-	89	52	120
			=						

12. — Ages of Insane at First Attack, Admission and Death.

	PE		FIRS			ED		PE	RSONS	DIE	D.	
AGES.	FIRS	AT T ATT	ACK.		WHEN MITTE		FIRS'	AT LATT	ACK.		T TIM DEAT	
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	1	5	6	-	-	-	1	-	1	-	-	-
15 years and less, .	4	3	7	1	2	3	-	-	-	-	-	-
From 15 to 20 years, .	11	12	23	8	10	18	-	-	-	1	-	1
20 to 25 years, .	25	19	44	25	27	52	-	2	2	1	2	3
25 to 30 years, .	26	21	47	31	23	54	-	1	1	-	2	2
30 to 35 years, .	12	21	33	19	24	43	1	2	3	1	3	4
35 to 40 years, .	22	21	43	19	23	42	5	3	8	2	-	2
40 to 50 years, .	31	31	62	46	35	81	4	6	10	9	7	16
50 to 60 years, .	26	23	49	32	33	65	12	7	19	8	4	12
60 to 70 years, .	17	8	25	19	9	28	8	7	15	13	7	20
70 to 80 years, .	9	5	14	15	11	26	3	3	6	6	6	12
Over 80 years,	5	2	7	5	4	9	3	1	4	3	3	6
Unknown,	36	33	69	5	3	8	11	3	14	4	1	5
Total of persons, .	225	204	429	225	204	429	48	35	83	48	35	83
Mean ages in years,	38.11	37.24	37.67	42.38	40.57	41.47	55.02	44.11	48.56	52.83	53.54	53.18

## 13. — Reported Duration of Disease before Last Admission.

DELINATE DEL	A CIDE	ONT	FIRST TO AN		SSION PITAL.		L OTH		,	Готаь	
PREVIOUS DUR.	V.T.T	ON.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,			1	5	6	-	2	2	1	7	8
Under 1 month, .			44	44	88	16	3	19	60	47	107
From 1 to 3 months,			32	33	65	3	1	4	35	34	69
3 to 6 months,			17	12	29	2	4	6	19	16	35
6 to 12 months,			23	19	42	5	4	9	28	23	51
1 to 2 years, .		٠,	21	9	30	4	1	5	25	10	35
2 to 5 years, .			30	26	56	10	12	22	40	38	78
5 to 10 years, .			14	12	26	7	10	17	21	22	43
10 to 20 years, .			3	4	7	5	5	10	8	9	17
Over 20 years,			3	4	7	2	3	5	5	7	12
Unknown,			37	36	73	9	5	14	46	41	87
Total of cases, .			225	204	429	63	50	113	288	254	542
Total of persons,			225	204	429	59	47	106	284	251	535
Average in years,			1.76	2.54	2.15	3.78	7.03	5.40	2.77	4.78	3.77

14. - Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.

		CASES	90							C	ASES	DISC	CASES DISCHARGED.	D.						
	_	ADMITTED.	ED.	RE	COVE	RECOVERED.		MUCH IMPROVED.	VED.	IMP	IMPROVED.		NOT IMPROVED.	PROVE	n.	DEATHS.	res.	4	AGGREGATE	ATE.
FORM OF DISEASE.	Males,	Females.	Totale.	Males.	Females.	Totala	Malea.	Eemales.	Totale.	Males.	Females.	Totala.	Males.	Females.	Totala.	Males. Females.	Totals.	Males.	Females.	Totals.
A Insane:						à	1		,	÷	G				- L			2		
Alcoholic insanity,	. [6]	1 28	56 		.0	35	-	G.	17	#	N	0.	5 <u>-</u>	7	67	4	-		_	
Traumatic delirium,	-	<u>'</u>		1	1	1	1	-	_	ı	ı	1	1	1	1	1	_			_
Febrile delirium,			6.5	_	1	1	1	ı	ī	1	1	ı	1	1	1	-		_	_	_
Digitalis delirium,		_	_		-	П	1	1	1	1	1	1	1	F	1	-	-	_		_
Lead neuritis delirium,		-		_	-	1	,	1	ı	1	1	H	1	1	1	-	-	_		_
Morphiuism,		3	41			Ç1	1	1	1	ŧ	1	1	1	1	1	1	-	_		
Periodical insanity -																				
(a) Recurrent mania (1st attack),	-	12 15	27	10	6	19	61	5	1-	1	00	ေ	1	Ç1	C1	G1		2 14	_	
(b) Recurrent manla (2d attack),		5 11	16	-	0	5	63	C1	4	1	г	_	ı	က	co	,	-		=	13
		21	4	_		-	ı	1	1	_	1	г	-	1	П	-	<u>,</u>			
(d) Recurrent mania (4th attack),		63	ro	_	1	1	1	1	1	1	1	1	ı	1	1	_	<u>,</u>			_
(e) Recurrent mania (5th attack),		-	.0	_	1	1	1	ı	1	ŀ	î	1	ı	ı	1	1	,		_	_
(f) Recurrent mania (6th attack),	_	_	_	_	-		П	1	П	1	1	1	-	F	1	1	<u>.</u>	-	- 2	
(g) Recurrent mania, circular (2d attack),	-	C1	113		-	П	1	ı	1	1	t	i	¢1	1	¢1	1	<u>,</u>			
(h) Recurrent mania, circular (3d attack),		-		_	1	1	ı	1	ı	1	ı	1	1	1	ŧ	1	<u>,</u>			
(i) Recurrent mania, circular (4th attack),		_		_		1	1	П	П	t	1	1	1	1		1	' 1	1		
(j) Recurrent mania, circular (10th attack),		_	_	_		1	1	1	П	ř	ı	1	1	ì	1	,	1	_	_	
(k) Recurrent melancholia (1st attack), .		7 11	18			Ç1	1	61	63	_	C3	ော	Ç1	63	5		-			~
(1) Recurrent melancholia (2d attack),	_	2	5			1	1	1	-	1	1	ı	ı	1	1	,	,			-
(m) Recurrent melancholia (3d attack),	-	1 2	ಲಾ	1		ı	1	1	1	1	1	ı	ı	1	1	1	,			
(n) Recurrent melancholia (4th attack), .	_	_			-	1	П	1		1	ł	1	-	ı	1	_	1		67	61
(o) Recurrent melancholia (5th attack), .	-	2 1	<u>د</u>	C1	١	Ç1	1	_	1	1	ı	ı	1	1	ı	1	<u>.</u>			_

14. — Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge — Concluded.

	PE.	Totals.	8	22	30	22	14	19	43	П	4	22	14	24	28	52	-1	¢1	12	1	536	535
	AGGREGATE.	Females.	(	6	19	15	1-	29	11	1	ಣ	00	1-	10	19	23	4	63	12	Γ,	253	252
	Авв	Males.	Ç	13	11	1-	-1	32	32	П	П	14	7	14	6	53	က	1	ı	. 1	283	283
	*	Totals.	(	Ç7	ĭ	1	5	ŧ	20	1	1	67	11	ಣ	5	26	ı	1	1	t	83	833
	DEATHS.	Females.	,	61	П	ı	I	1	9	ı	П	1	9	7	ಣ	12	1	1	ł	ı	35	35
	DE	Males.		1	ı	1	-	ı	15	1	ŀ	П	r.	57	22	14	\$	1	1	1	48	48
	VED.	Totals.		14	18	17	90	49	17	ı	1	13	2	20	6	19	9	61	ı	F	235	235
ED.	NOT IMPROVED.	Females.		ර	13	12	ᆐ	27	5	1	1	9	ī	00	œ	6	ಣ	22	F	ı	122	122
CASES DISCHARGED.	NOT	Males.		11	ŭ	2	#	22	12	1	-	-1	7	12	1	10	ಣ	1	1	1	113	113
DIS	ED.	.alaioT		ಣ	4	ಣ	1	6	63	г	_	හ	П	-	ಛ	ű	ī	1	_	ě	64	19
ASES	IMPROVED.	Females.	,	_	П	<b>C4</b>	ì	1	1	J	1	1	1	7	63	-	Г	ı	1	ı	20	20
O	IMP	Males.		C7	0.5	-	1	0	60	П	1	ಣ	_	1	1	4	1	1	-1	1	44	44
	VED.	.alstoT		ಣ	1-	2	67	೧೦	co	1		4	ı	ı	£~	53	1	1	67	1	89	68
	MUCH IMPROVED.	Females.		co	4	-	22	C3	_	1	1		1	ı	ෙ	1	ı	1	67	1	39	39
	мисн	Males.		ı	ಣ	1	ŝ		2	1	ı	ಣ	1	1	4	7	ı	l	1	1	29	29
	ED	Totals.		1	ı	ı	57	ī	ı	1	1	1	1	1	4	1	1	1	0	1	85	84
	RECOVERED	Females,		ı	ı	ı	1	1	1	ı	ı	1	1	1	63	1	1	ş	0	- 1	36	35
	REC	Males.		1	ı	)	57	1	1	ı	1	F	1	ı	¢1	1	1	1	1	1	49	49
	Q	Totals.		57	34	27	23	29	46	1	9	31	12	co	22	99	9	7	11	ī	542	535
CASES	ADMITTED.	Females.		П	21	11	6	30	12	I	7.0	1-	4	67	16	22	7	63	11	-	254	251
	AD	Males.		_	13	10	14	37	34	1	1	24	00	1	9	34	63	1	1	-1	288	284
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		FORM OF DISEASE.	ncin	Chronic mania, .		Constitutional inferiority,	. 6	Dementia pracox,	General paralysis,	Locomotor ataxia,	Hysterical insanity,	Epileptic insanity,	Organic dementia,	Secondary dementia,	Melancholia (involution),	Senile dementia,	ν, .	٠	unka	le,	Total of cases,	Total of persons,
		<b>)</b>	00 .	nic r	Paranoia, .	titut	Katatonia, .	entia	eral [	mote	erica	eptic	pic c	ndar	ncho	le de	Imbecility,.	3y,	i dr	insan	Potal	Potal
			sane.	Chro	Para	Cone	Kata	Dem	Gene	Loco	Hyst	Epile	Orga	Seco	Mela	Senil	Imbe	Idiocy,	bitus	Not insane,	27	
			AInsane-Concluded,																B Habitual drunkards,			
			A																B			

15. - Discharges, classified by Admission and Result.

	otals.	r 854	62	2	9	ı	ಣ	536	535
ALS.		-		4	· •••	1		- <u>-</u>	
Totals.	emales.	_ 04	3					253	252
	fales.	248	28		෨	1		283	283
NE.	lotals.	r ==	1	1	1	1	1	-	
NOT INSANE.	emales.	- I	1	1	- 1	- 1	1	-	-
No	Haies.	1	I	ı	1	- 1	1	T	1
	rotals.	78	4	1		Ì	1	85	88
DIED.	Females.	99	67	1	1	- 1	-	35	35
	Males.	45	2	1	-	1	1	48	48
VED.	.sistoT	193	35	4	භ	1	ı	235	235
NOT IMPROVED.	Females.	96	20	4	61	ı	ı	122	122
Nor	Males.	26	15	ı	1	1	1	113	113
Э.	Totals.	29	4	1	64	ı		f 9	64
IMPROVED.	Females.	19	1	1		1	1	20	20
IM	Males.	တိ	4	ı	-	1	H	11	44
VED.	.s[stoT	19	12	1	1	1	-	89	89
MUCH IMPROVED.	Females.	32	9	1	1	1	-	39	39
Мосн	Males.	22	9	1	1	Ī	1	29	56
ED.	Totals.	92	~	23	1	1	П	85	7-8
RECOVERED.	Females.	29	9	t	1	1	-	36	35
RE	Males.	46	П	C.1	1	1	ı	49	49
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	ISSIO	•		٠	•		•	٠	
	ADM							· · · ·	ons,
	F THE							Total of cases,	Total of persons,
ar and	ER O.							of of	ul of
	NUMBER OF THE ADMISSION.	First,	Second,	Third,	Fourth,	Fifth,	Sixth,	Tota	Tota

16.—Form of Mental Disease in Cases of Deaths.

-	IA,	Totals.	1 1 1 1		111111
	DEMENTIA, SECONDARY.	Females.	1 1 1 1	₩ 1 1 1 1	11111111
	DES	Males.	1111	1 1 1 1 1	1111111
	I.A	Totals.	1111		1 1 1 1 1 1 1 1
	Katatonia	Females.	1 1 1 1	-1111	1 1 1 1 1 1 1 1 1
١		hiales.	1 1 1 1	1111	1111111
1	C.	.efstoT	1 1 1 1	1 1 1 1 1	1   1   1 - 1   1
	ZLANCHOI CHRONIC	Females,	1 1 1 1	11111	11111-111
1	MELANCHOLIA, MELANCHOLIA, ACUTE. CHRONIC	Males.	1 1 1 1	11111	11111111
	DLIA,	Totals.	1   1	11121	
	ACUTE	Females.	1111	111-1	111111111
	MEL.	Males.	1111	11188	==
	.0.	.slatoT	1111	-1-11	
	MANIA, CHRONIC.	Females.	1 1 1 1	-1-11	
	25	Males.	1 1 1 1	11111	1111111
	ان ئ	Totals.	1 1 1 1	011111	
	Mania, Acute.	Females.	1 1 1 1		111111111
	E 7	Males.	1 1 1 1		
	TE.	Totals.	10011	00470	84
	AGGREGATE.	Femalea.	4011	₩ ₩ ₩	00       11   00
	Ψ	Males.	C 4 T T	L 10 L 4 10	104HHH   1HH
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		H.		risy,	· · · · · · · · · · · · · · · · · · ·
		CAUSES OF DEATH		pleu	
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		CAU	:-	em: mon mon eum	em:— orrhage, acute, heart, acute olism, ubolism, orrhage,
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	ĺ		syst stio lsion halif	ory is, ho-p ho-p ttatic	ory stall half
			Vervous system:— Exhaustion, Convulsions, Encephalitis, acute, Cerebral softening,	Spiratory system:— Pithisis, Broncho-pneumonia, Broncho-pneumonia and pleurisy Hypostatic-pneumonia, Lobar pneumonia,	reulatory system:— Cerebral hemorrhage, Heart disease, Endocarditis, acute, Dilatation of heart, acute, Rupture of heart, Cerebral embolism, Pulmonary embolism, Intestinal hemorrhage, Atheroma of coronary arteries,
			Nervous system: Exhaustion, Convulsions, Encephalitis, a Cerebral softe	Respiratory system: – Phthisis, , , , , , , , , , , , , , , , , ,	Circulatory system:— Cerebral hemorrhage, Heart disease, Endocarditis, acute, Dilatation of heart, ac Rupture of heart, Cerebral embolism, Pulmonary embolism, Intestinal hemorrhage
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General	Nephritis,	Pye	Gen	Sarcol	Pro	Anæmia, r	Epi	Sen	Enterit	Enteri	Peri	Sep	
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16. - Form of Mental Disease in Cases of Deaths - Concluded.

AL.	Totals.	1 1 1 1	1 1 1 1 1 1	3 1 3 1 1 1 1 1 1
HYSTERICAL INSANITY.	Females.	1 1 1 1	1 1 1 1 1	11111111
Hr	Males.	1 1 1 1	11111	1 1 1 1 1 1 1 1 1
0.:	rotals.	1-11	1-111	F
EPILEPTIC INSANITY.	Females.	1 1 1 1	1	1111111
E	Males.	1 1 1	1111	1 1 1 1 1 1 1 1
01.	Totals.	1 1 1 1	-0111	11-1111
ALCOHOLIO INSANITY.	Females.	1 1 4 1		11111111
AI	Males.	1 1 1 1	10111	
AALY-	relaioT	9411	11-01-	100   1   1   1   1
GENERAL PARALY- SIS OF INSANE.	Females.		1111-	1 1 1 1 1 1 1 1
GENEI SIS	Males.	ا ا شامت	11-01	1001111111
A,	rotals.	1-11	1-11-	41111111
DEMENTIA, ORGANIC.	Females.	1 1 1	1 1 1 1 1	
IQ O	Males.	1111	1-11-	w +   1   1   1   1
Α,	.slstoT	10 1 H H	11010101	8-11111
Dementia, Senile.	Females.	eo     1	1 50 1 70 1	
Q	Males.	0.144	107 1 - 07	
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			irisy,	· · · · · · · · · · · · · · · · · · ·
	EATH	* * * *	i ple	te, :
	CAUSES OF DEATH.	Nervous system:— Exhaustion, Convulsions, Encephalitis, acute, . Cerebral softening, .	Respiratory system:— Phthisis, Broncho-pneumonia, Broncho-pneumonia and pleuris, Hypostatic-pneumonia, Lobar pneumonia,	Circulatory system:— Cerebral hemorrhage, Heart disease, Endocarditis, acute, Dilatation of heart, acute, Cerebral embolism, Pulmonary embolism, Intestinal hemorrhage, Atheroma of coronary arteries

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ral:	riude	elo-1	mera	reon	ostat	tura	ithe	nile	terit	nterit	riton	ptice	$T_0$
ene	ž	P.	9	Sa	Pr	AI	E	Se	臣	室	Pe	Se	

17. - Recoveries, classified by Duration of Disease and Treatment.

				LAS	LAST ATTACK.	ж.						ALL A	ALL ATTACKS.		
PERIOD.	DURA	DURATION BEFORE ADMISSION.	FORE	BE	HOSPITAL RESIDENCE.		WHOL FROM	WHOLE DURATION FROM THE ATTACK.	FION ACK.	WHOLE	MENTAL DISEASE.	WHOLE KNOWN PERIOD OF MENTAL DISEASE,	WHOLE HOSPI	WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.	RIOD OF ENCE.
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
A.—Insane:—														,	(
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10 to 20 years,	1	_	1	1	1	1	1	-	-	1		_	1	ı	ŀ
Over 90 years	1	1	1	1	1	1	ł	1	ı	ı	1	ı	1	1	ı
Unknown,	12	4	16	ı	ı	ı	12	4	16	12	4	16	1	1	ı
Totals,	49	27.73	76 2.06	4.34	27 8.02	76	49	$\frac{27}{10.26}$	76 8.92	49 8.56	27 11.86	76	49	$\frac{27}{9.35}$	70.7
B.—Habitual drunkards:—			7		G	G					+	-	1	6	6
Under I month,	1	7	Τ!	1 1	N 00	N 60			1 1	1	4 63	4 00	1	: co	၊ က
From 1 to 8 months, 3 to 6 months	1 1	ı		1	- c	c	1	67	2	i	1	-	ı	1	_
6 to 12 months,	1	1	1	1	_	1	1	_	_	1	01	23	1	<b>,</b> ,	<del></del> (
1 to 2 years,	1	1	1	ì	©1	67	1	1 (	1 (	ı	_	-	1	24	71
2 to 5 years,	1	C1	67	1	1	1	1	Ø1 (	27 (	ı	ı	ı	i	ł	ı
5 to 10 years,	1	्य ।	ত্য দ	I	ŀ	ı	ı	51 <del>-</del>	27 -	ı	ı	ı	1	ı	ł
10 to 20 years,	1			1	I	ı	1			1 1	1 -	ı <del>-</del>		1 1	l I
Unkhown,	1	1	1	l	J	ı		-	1		1	4			
Totals,	ı	6	ۍ.	i	6	6	1	6	6	ı	6	6	1	6	60 1
Average of known eases (in months),	1	56.46 56.46	56.46	1	5.5	5.5	1	50.7	2.09	ì	57.5	6.76	1	5.83	58.6

18.—Deaths, classified by Duration of Disease and Treatment.

				LAS	LAST ATTACK.	CK.						ALL A	ALL ATTACKS.		
	BEFOR	DURATION BEFORE ADMISSION	SION.	HOSPIT	HOSPITAL RESIDENCE.	DENCE.	WHOI	WHOLE DURATION FROM THE ATTACK.	TION ACK.	WHOLE E	WHOLE KNOWN PERIOD OF MENTAL DISEASE.	RIOD OF	WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.	HOLE KNOWN PERIOD HOSPITAL RESIDENCE,	RIOD OF
PERIOD.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males,	Females,	relaioT	Males.	Females.	Totals.
Under 1 month,  From 1 to 3 months,  3 to 6 months,  6 to 12 months,  1 to 2 years,  2 to 5 years,  5 to 10 years,  10 to 20 years,  Unknown,  Totals,	7 6 7 6 8 1 1 1 8 4 8 4 8 4 8 4 8 8 4 8 8 8 8 8	35 31 11 16 85 5 23 12 9 6	88 9 2 2 2 1 1 4 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	01 01 02 02 7 7 7 7 10 10 10 10 10 10 10 10 10 10 10 10 10	235   1211   786   47	113 141 141 141 141 142 143 143 143 143 143 143 143 143 143 143	1.82 52 88 4 52 52 88	10 10 4 8 4 6 1 2 2 2 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 21 14 14 17 17 18 83	1 1 2 2 4 8 8 4 8 4 8 4 8 4 8 4 8 4 8 4 8 4	HU10480004 &	200 200 100 100 100 100 100 100 100 100	ခေ <b>့</b> က္ကေတ္လေတ⊔   &	V4 1 2 V 8 1 L 2 J 1 2 C 8	83   11111111111111111111111111111111111
Average of known cases (in months), 13.74 28.63 21.18 27.06 30.28 28.67 51.71 63.13 57.42 54.85	13.74	28.63	21.18	27.06	30.28	28.67	51.71	63.13	57.42	54.85	33.88	44.36	27.96	34.4	31.18

19. - Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1897.

	I			Totals.	ı	ı	ı	ı	ı	ı	ı	ı	1	ı	ı	ı	ı	ı	1	ı	P	1	ı	1	ı	ı	ı	,	1	1	ı
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Name of the last o			ED.	Totals.	1	1	ı	ı	1	ı	ı	ı	ı	,	ı	ı	ı	r	1	ŀ	ı	ı	1	1	ı	1	1	1	1	1	1
			NOT IMPROVED.	Females.	ı	ı	ı	ı	ı	1	1	1	ı	1	1	1	ı	ı	î	1	F	,	1	1	1	ŀ	1	1	1	ı	1
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	NEW CASES.	DIED	IMPROVED.	Females.	1	ı	1	1	ı	1	1	1	ı	i	1	1	ı	1	i	ı	1	ı	ı	ı	1	1	1	,	1	1	ı
	NEW	ED ANI	IMP	Males.	1	ı	ı	ı	ı	ı	1	1	1	ı	ı	1	ı	1	1	ı	ı	ı	1	1	1	1	1	1	1	ı	1
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19. - Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1897—Concluded.

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20. — Relapsed Cases Admitted in Each Year and Discharged and Died in 1896-97.

	SEPT.		Totala.	1	1	1	1	Н	1	¢1	61	1	61	1	1	ಣ	1	1
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1886, .	1887, .	1888, .	1889, .	. *0681	1891, .	1892, .	1893, .	1894, .	1895, .	1896, .	1897, .	Totals,

## LIST OF PERSONS

EMPLOYED IN THE WORCESTER LUNATIC HOSPITAL, SEPT. 30, 1897.

Superintendent and physician, p	er ve	ar, ,				. \$3	,000	00
Assistant superintendent and ph			vear.				,500	
Assistant physician,		-6	,				,200	
Assistant physicians (two),		66	4.6				800	
Assistant physician,		66	5.6				400	00
Junior assistant physicians (four	·).	6	- 6				400	00
Steward,	,,	6.6	6.6			. 1	,200	00
Treasurer,		66	66				500	
Auditor,		44	44				75	00
Matron,		4.4	4.6				600	00
Clerk,		4.6	44				720	00
Stenographers (two),		р	er m	onth,			40	00
Supervisor (man),		_	14	66			45	00
Supervisor (woman),				66			30	00
Assistant supervisors (men, two)	), eac	h,		66			35	00
Assistant supervisors (women, to	wo),	each,		66			25	00
Marker of clothing, etc.,			46	44			20	00
Seamstresses (two), each,			14	66			18	00
Attendants (men, thirty-seven),	per i	nonth,			. \$	23 00 to	25	00
Attendants (women, forty-one),	44	66		,	. 1	14 00 to	18	00
Night attendants (men, five),	. 6	4.4			• 4	25 00 to	23	00
Night attendants (women, five),	6.6	66					18	00
Baker,	66	44					50	00
Assistant baker,	44	46					25	00
Steward's assistant,	44	46	٠				30	00
Office girl,	46	66					16	00
Kitchen men (two),	44	44			\$25	00 and	35	00
Cooks (two),	44	44			25	00 and	28	00
Laundry man,	4.6	44					30	00
Laundress,	46	46		٠		,	<b>2</b> 0	00

Assistant laundry man, per mont	h, .				\$27	00
Laundry girls (seven), " "			. \$1	4 00 to	18	00
Kitchen girls (four) " "			. 14	00 to	16	00
House girls (nine), each, " "				9	14	00
Carpenters (three), per day,			. \$2	50 and	3	00
Painters (four), " "			. 2	50 and	2	75
Mason, ""		٠			3	00
Helper, " "					2	25
Plumber, per year, .			•		900	00
Engineer, " " .				. 1,0	000	00
Firemen (two), " month, .					40	00
Farmer, " " .					60	00
Housekeeper, " " .					20	00
Farm laborers (thirteen), per mo	onth, .		. \$23	3 00 to	30	00
Farm help (women, five), "			. 14	00 to	18	00
Florist, "					45	00
Coachman, "					27	00
Expressman, "					25	00
Basement and yard man, "					25	00

## PRODUCTS OF THE FARM

On Hand Oct. 1, 1897, and not delivered at the Hospital.

Apples, .						. 40 barrels.
Beans, shell, li	ima,					. 18 bushels.
Beets, .						. 200 bushels.
Brussels sprou	ıts,					. 5 bushels.
Cabbage, .						. 7,500 heads.
Cauliflower,						. 1,200 pounds.
Celery, .						. 6,000 heads.
Corn fodder,						. 10 tons.
Egg plant,						. 50
Ensilage, .						. 400 tons.
Hay, .						. 350 tons.
Hay, swale,						. 17 tons.
Mangolds,						. 50 tons.
Oat fodder,						. 20 tons.
Onions, .						. 500 bushels.
Parsley, .						. 5 bushels.
Parsnips, .						. 200 bushels.
Pears, .						. 20 bushels.
Rye,						. 20 bushels.
Sage, .						. 5 bushels.
Spinach, .					,	. 100 bushels.
Squash, .				,		. 18,000 pounds.
Straw, rye,				4		. 6 tons.
Turnips, .						. 200 bushels.
Tomatoes,					٠	. 28 bushels.

## SUMMARY OF FARM ACCOUNT.

	D	·R.	
Blacksmithing,	\$291 19	Amount brought forward, .	\$10.475.01
Bread,	200 00	Amount orought forward, .	\$10,419 UI
Butter,	519 60	Repairs,	160 14
Current expenses,	10 50	Salt.	25 27
Fertilizers,	869 04	Seeds,	148 88
	138 50		
Fuel,		Sugar,	343 02
Furnishings,	4 50	Tools,	25 73
Furniture,	31 00	Wages,	5,825 07
Grain and meal,	3,122 97	Water,	194 41
Grocerles, etc.,	1,528 80		
Hay,	50 00		<b>\$17,</b> 197 53
Lights,	183 28	Net gain for year ending Sept.	
Live stock,	1,686 00	30, 1897,	
Meat,	1,719 63		
Pasturage,	120 00		\$20,980 99
Amount carried forward, .	\$10,475 01		
	C	R.	
845 barrels apples,	\$845 00	Amount brought forward,	\$17,097 11
302 bunches asparagus,	30 20		<b>4.1,001</b> 22
8½ bushels lima beans,	11 50	8,572 pounds rhubarb,	204 01
35½ bushels string beans,		68½ boxes raspberries,	13 70
25 bushels carrots	12 50	15,330 radishes,	117 60
235 bushels beets,		4 bushels Swiss chard,	2 00
302 barrels cabbage.	385 25	60 bushels squash (summer),	60 30
1,084 bunches celery,	106 72		240 00
	60 23	12 tons squash (winter),	
2,229 cucumbers,		1,495 boxes strawberries,	179 40
20,836 cucumbers (pickle),	41 67	84½ bushels spinach,	42 25
104 bushels cauliflower,	17 25	416½ bushels turnips,	166 85
1,121 boxes currants,	112 10	274½ bushels tomatoes,	257 25
2,431 dozen corn,	243 65	2 cords wood,	7 25
130½ pounds chickens,	26 10	Standing wood on lot,	2,000 00
1,560 gallons cider,	124 80	3,220 pounds bones,	16 10
174½ bushels dandelions,	119 25	1,118 loads gravel,	111 80
457 dozen eggs,	106 59	200 posts,	30 00
23,470 pounds hay,	234 70	2 tons straw,	26 00
125 pounds horseradish,	10 00	30 bushel-boxes,	3 00
357 dozen lettuce,	214 20	Cash for making cider,	1 35
Live stock sold,	970 75	Cash for corn and tomatoes,	116 82
289,474 quarts milk,	11,578 96	Cash for drawing wood,	9 60
72 melons,	9 25	5 dozen egg plants,	5 00
56½ bushels onions,	56 50	½ bushel peppers,	50
376 bushels oats,	116 56	3 bushels rye,	3 00
114 bushels peas,	142 76	3 telegraph poles,	5 00
10 bushels pears,	10 00	2 hides,	4 35
140 bushels parsnips,	75 00	Ice,	3 00
25,434 pounds pork,	1,253 56	97 pounds popcorn,	4 85
2 bushels parsley,	2 00	Sod,	2 40
Plants,	11 00	835 railroad ties,	250 50
Amount carried forward, .	\$17,097 11		\$20,980 99



