

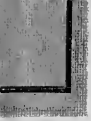


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FORTY-EIGHTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

1692.
STATE LUNATIC HOSPITAL

AT WORCESTER,


AND

372
REPORT OF THE TRUSTEES OF THE TEMPORARY ASYLUM
FOR THE CHRONIC INSANE,

FOR THE YEAR ENDING SEPTEMBER 30, 1880.

BOSTON:

Rand, Aberg & Co., Printers to the Commonwealth,
117 FRANKLIN STREET.
1881.



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OFFICERS OF THE HOSPITAL.

TRUSTEES.

THOMAS H. GAGE, M.D.	WORCESTER.
COL. JOHN D. WASHBURN	WORCESTER.
PROF. JAMES B. THAYER	. . . . .	CAMBRIDGE.
ROBERT W. HOOPER, M.D.	. . . . .	BOSTON.
HON. RUFUS D. WOODS	. . . . .	ENFIELD.

RESIDENT OFFICERS.

JOHN G. PARK, M.D.	. . . . .	SUPERINTENDENT.
WALTER P. BOWERS, M.D.	. . . . .	ASSISTANT PHYSICIAN.
ALBERT R. MOULTON, M.D.	. . . . .	ASSISTANT PHYSICIAN.
CLARENCE BUFFINTON.	. . . . .	STEWARD.
LILA J. GORDON	. . . . .	MATRON.
JAMES W. BRIGHAM	. . . . .	CLERK.
ALPHEUS YOUNG	ENGINEER.
F. M. KNAPP, JUN.	FARMER.

TREASURER.

ALBERT WOOD	WORCESTER.
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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 Forty-eighth Annual Report, and invite attention to the fuller and more detailed reports of the Superintendent and Treasurer, which are herewith transmitted.

There were remaining in the hospital, at the close of the last official year, 490 patients, and there have been received during the year 233; making a total of 723 who have been under treatment. Of these, 41 have recovered; 20 have been discharged much improved; 32 improved; 50 not improved; and 47 have died. There are remaining 533. The daily average number under treatment, for the year, has been a small fraction less than 504.

The average weekly cost of maintaining each of these persons, excluding all "extraordinary expenditures," has been \$3.62, and, including such expenditures, has been \$4.39.

Either sum largely exceeds the amount received from the Commonwealth and from cities and towns for the support of the insane poor; and the deficit, which in the aggregate is a large sum, has been made up this year, as always heretofore, from the contributions to the general fund made by those patients and their friends who pay more than the actual cost of board.

Under the title of "extraordinary expenditures" are included several important items of an unusual and excep-

tional nature. One of these is the payment of the "John Bartlett note and interest." The history of this note (which was given for land), and the reasons for delaying its payment, have been often stated in previous reports. Those reasons have been removed during the present year by the death of the holder, and the Trustees have paid it out of the surplus funds of the hospital.

Another similar item is the payment of \$733 for the "Polly Tucker estate." This "estate" was a small lot of land, with a building upon it, at the corner of Belmont and Plantation Streets, the purchase of which was considered necessary to protect the interests of the hospital. The price paid was the appraisal of the property by three disinterested gentlemen, to whom the matter was referred by mutual agreement between the Trustees and the owner.

Still another expenditure of an extraordinary kind is that of \$16,594.68 for extraordinary improvements. This expenditure principally represents the expense of finishing off and furnishing the homicidal ward, and the fourth story of the building, for the reception and accommodation of patients. This work has been going on for several months, and is now rapidly approaching completion. When it is done the hospital will furnish ample accommodations for 650 inmates, thus adding largely to its present capacity, and increasing its usefulness to the State. It also includes the expense of permanent improvements which have been made upon the farm and grounds; the cost of erecting the windmill for pumping liquid sewage upon the garden and lawn; and the expense of building summer-houses for the patients in the pleasure-grounds.

All of these "extraordinary expenditures" might properly have been made out of the original appropriation, provided by the legislature for the purchase of land and the erection of buildings; but, as the Trustees' account with that appropriation had been for a long time practically closed, it was thought best to make them from such funds as had from year to year accumulated from current receipts. It will be observed that in doing this the surplus of the hospital has been reduced by some \$11,000 or \$12,000. The work will be completed by drawing still further from the same sources.

Early in the present year, Mr. Daniel W. Bemis, who had

been for many years an efficient officer, resigned the position of steward, and left us. His place was filled by the election of Mr. Clarence Buffinton to the vacant office. *This made a vacancy in the office of clerk, which was filled by the appointment of Mr. J. W. Brigham of Fall River.

On the 1st of September, Dr. E. Q. Marston, for several years assistant physician, tendered his resignation, and on the 1st of October closed his connection with the hospital. The vacancy thus created was filled by the choice of Dr. Walter P. Bowers of Lancaster, Mass., who has already entered upon his duties.

The year closes with the hospital in a highly prosperous condition. Its affairs have been conducted with harmony and success, and in a spirit of mutual confidence and respect on the part of officers and Trustees.

The manner in which Dr. Park has discharged the difficult and important duties of superintendent demands and receives our highest commendation. To his intelligent and efficient management is due, in great measure, the present prosperity and usefulness of the institution.

THOMAS H. GAGE.
JOHN D. WASHBURN.
JAMES B. THAYER.
R. W. HOOPER.
RUFUS D. WOODS.

WORCESTER LUNATIC HOSPITAL,
Oct. 1, 1880.

OFFICERS AND THEIR SALARIES.

John G. Park, M.D. (Superintendent)	\$2,500 00
Walter P. Bowers, M.D. (Assistant Physician)	1,000 00
Albert R. Moulton, M.D. (Assistant Physician)	1,000 00
Clarence Buffinton (Steward)	800 00
Lila J. Gordon (Matron)	360 00
James W. Brigham (Clerk)	400 00
Alpheus Young (Engineer)	1,000 00
Albert Wood (Treasurer)	500 00

VALUE OF PERSONAL ESTATE.

SEPT. 30, 1880.

Live-stock on the farm	\$5,391 00
Produce of the farm on hand	4,065 55
Carriages and agricultural implements	5,237 11
Machinery and mechanical fixtures	65,000 00
Beds and bedding in inmates' department	17,784 60
Other furniture in inmates' department	14,318 77
Personal property of the State in Superintendent's department	12,443 22
Ready-made clothing	581 26
Dry-goods	1,938 38
Provisions, groceries, and other supplies	5,364 73
Drugs and medicines	500 00
Fuel	213 75
Library	1,100 00
	<hr/>
	\$133,938 37

TREASURER'S REPORT.

To the Trustees of the Worcester Lunatic Hospital.

GENTLEMEN, — I herewith submit my Annual Report on the finances of the Worcester Lunatic Hospital for the year ending Sept. 30, 1880.

RECEIPTS.

Cash on hand Sept. 30, 1879	\$35,789 58
Received of the Commonwealth for support of patients	13,887 01
of cities and towns " " "	56,375 23
of individuals " " "	30,064 85
for interest, sale of produce, &c.	3,354 92
belonging to patients	517 12
	<u>\$139,988 71</u>

The expenditures for the year have been as follows:—

PROVISIONS.

Flour	\$4,735 35
Meat of all kinds	5,422 20
Fish	903 54
Meal for cooking	342 22
Beans, potatoes, and other vegetables	1,835 20
Sugar	2,801 02
Molasses and sirup	620 37
Tea	757 00
Coffee	1,144 03
Butter	6,297 96
Cheese	296 90
Fresh fruits	173 34
Ice	697 93
Eggs, salt, and other groceries	2,942 01
	<u>\$28,969 07</u>
Salaries and wages	31,029 65
Provender and bedding for stock	1,497 78
Furniture, crockery, bedding, straw, &c.	3,250 35
Miscellaneous furnishings	1,605 74
Lights	3,465 53
Water	2,194 93
Fuel	5,566 07

Amount carried forward \$77,579 12

10 LUNATIC HOSPITAL AT WORCESTER. [Oct.

<i>Amount brought forward</i>	.	.	.	.	.	.	\$77,579 12
Soap	.	.	.	.	.	.	968 24
Medicines and medical supplies	.	.	.	.	.	.	706 13
Live-stock	.	.	.	.	.	.	1,695 00
Carriages, harnesses, blacksmithing, &c.	.	.	.	.	.	.	799 79
Improvements and repairs	.	.	.	.	.	.	4,658 03
Books, stationery, and printing	.	.	.	.	.	.	527 10
Travelling and transportation	.	.	.	.	.	.	637 32
Trustees' expenses	.	.	.	.	.	.	218 65
Miscellaneous	.	.	.	.	.	.	1,699 03
Clothing and material	.	.	.	.	.	.	5,333 20
Undertaking	.	.	.	.	.	.	230 70
Total current expenses	.	.	.	.	.	.	<u>\$95,052 31</u>
John Bartlett note and interest	.	.	.	.	.	\$2,552 50	
Interest and money refunded	.	.	.	.	.	139 10	
Refunded to patients	.	.	.	.	.	289 71	
Polly Tucker estate, bought of S. G. Curtis	.	.	.	.	.	733 00	
Extraordinary improvements	.	.	.	.	.	16,594 68	
							<u>\$20,308 99</u>
Total expenses	.	.	.	.	.	.	115,361 30
Cash on hand Sept. 30, 1880	.	.	.	.	.	.	24,627 41
							<u>\$139,988 71</u>

RESOURCES.

Cash on hand	.	.	.	.	.	.	\$24,627 41
Due from the Commonwealth	.	.	.	.	.	.	5,349 79
cities and towns	.	.	.	.	.	.	14,038 23
cities and towns, previous quarters	.	.	.	.	.	.	6,282 75
individuals	.	.	.	.	.	.	7,220 47
							<u>\$57,518 65</u>

LIABILITIES.

Due for supplies and improvements	.	.	.	.	.	\$5,691 51	
salaries and wages	.	.	.	.	.	2,607 01	
to patients	.	.	.	.	.	925 57	
							<u>\$9,224 09</u>
Total surplus	.	.	.	.	.	.	48,294 56
Hospital library fund, market value	.	.	.	.	.	.	5,446 17

Respectfully submitted.

ALBERT WOOD,
Treasurer.

OCT. 1, 1880.

WORCESTER, MASS., Sept. 30, 1880.

The Treasurer's statement of expenditures for the year ending Sept. 30, 1880, has been this day carefully compared with the vouchers which are on file at the hospital, and found to be correct.

The securities for the invested funds have been also inspected, and found to correspond with the Treasurer's statement of their market value.

THOMAS H. GAGE,
Auditor of Accounts.

SUPERINTENDENT'S REPORT.

To the Board of Trustees of the Worcester Lunatic Hospital.

GENTLEMEN,—The year which has just closed has been marked by no unusual event which distinguishes it in a signal manner from the previous ones in the history of the hospital. The new building has now been occupied three years, and the experience of each successive year gives proof of the thoroughness of its construction and the general convenience of its appointments. The wards are particularly sunny and cheerful, and are rendered more attractive from time to time by the addition of pictures and the painting of the walls.

There were remaining in the hospital Sept. 30, 1879, 235 males and 255 females,—a total of 490. The number of admissions since has been 103 males and 130 females, making the whole number under treatment 723. The number of admissions, 233, represents 222 persons,—88 more than were admitted last year; ten being re-admissions of persons who had been discharged during the year, and one simply a transfer from private to State account.

Forty females and five males were transferred from the Danvers Lunatic Hospital, and four females from the State Almshouse at Tewksbury.

Eight convicts have been transferred from the State Prison at Concord.

The number of recoveries has been 41; 12 of whom had been inmates of the hospital before and been discharged recovered, one seven times, one four times; and eight, once each. Twenty were discharged much improved. Many of the latter continued to improve after their discharge until they were fairly recovered, and would have been so tabulated had they remained longer in the hospital. There has been

but little sickness among the inmates; the number of deaths being 47,—30 men and 17 women.

The whole number discharged has been 190,—105 men and 85 women; and the number remaining in the hospital Sept. 30, 1880, was 533,—233 men and 300 women. A part of the statistics in the present report has been prepared to fill blank forms suggested by the Board of Health, Lunacy, and Charity. These forms have been sent to all the State hospitals, and, if adopted by them, will be the means of simplifying and rendering uniform the statistical information furnished by the insane in the institutions under State supervision.

Your especial attention is called to the very valuable tables referred to in my last report to the Board as in process of compilation. These have been completed, and include all the cases admitted to the hospital since its opening, and give, so far as it was possible to obtain it, the hospital history of each patient, including the number of times admitted to the hospital, and the number who upon discharge from the hospital were sent to institutions of a similar character both in this and other States.

From a study of this table we learn, that of a total of 12,401 cases admitted from Jan. 19, 1833, to Sept. 30, 1880, 3,155 were re-admissions, and that 1,316 persons had previously been inmates of other hospitals, and 1,195 upon their discharge were removed from this to other hospitals. It is not probable that the statistics of the other State institutions would furnish more encouraging information as to the permanent recovery of insane persons from their malady. In fact, it is owing to the temporary duration of their recoveries, rendering necessary a re-commitment sooner or later to the hospitals again, that the State institutions are becoming crowded with a class of patients who have passed into the chronic and incurable stage of the disease. Although the State within the last eight years has provided, at an expense of nearly \$3,000,000, for the accommodation of about 1,300 insane persons, the full capacity of these institutions will probably be reached before the end of another year, and the necessity of making further provision for this class of defectives will be apparent.

Several solutions of this problem have been suggested, all of them having for their object the removal of the chronic

insane from the State hospitals to make room for the acute and curable who can be benefited or restored to health by hospital treatment. It is known that at all of the hospitals there are a certain number of inmates who are able to do some useful labor under the guidance of the hospital employees, and in some of them the amount of assistance thus rendered is of material benefit. It is proposed to remove this class to families about the State who would board and clothe them for their labor.

A second plan is to exert some pressure upon the friends of the harmless insane, to induce them to care for these dependent members of their families at home.

A third plan is for the cities and towns to provide for them at the almshouse.

To the first plan it may reasonably be objected, that, even if in our thrifty towns families could be found to take one or more chronic cases, they would be scattered over so much territory that any effective supervision by State officials would be impracticable; and without such supervision the profit derived from the spasmodic and intermittent labor of the insane thus farmed out would soon be found so small that the patients would be likely to suffer from some form of neglect.

While it may be true that some families are able to spare from their income or their means enough to support an insane relative now a town or city charge in one of our hospitals, I think it is the experience of every one who has been brought into intimate relations with the friends of poor patients, that as a rule they manifest no desire to shirk the burden of their support, but that they assume it as an imperative duty, involving oftentimes the most rigid economy and self-denial.

The adoption of the third expedient would be but a return to the condition of things which existed before this hospital was built.

The story of the failure of the plan of almshouse treatment of the dependent insane, told to legislative committees, has probably been the most potent of any of the arguments used in securing appropriations for the construction of two-thirds of all the State hospitals for the insane in this country. This story need not be repeated here.

Should the almshouse again become the receptacle for the insane, there is no reason to suppose that the step would be any more successful than it has been in years gone by. The only exceptions which might perhaps be made would be of a few cases of cities where additions have recently been made to their almshouses for the special care and accommodation of the insane.

Neither of these three expedients for relieving the existing hospitals of the class of patients who have passed into the incurable stage of their malady seems satisfactory. The problem, however, is one which must be solved in some way, and that too in the near future.

I know of no better way than for the State to erect buildings especially for this class, either as additions to some of the present hospitals, or, what would be much better, in my judgment, to build an independent establishment in some quiet agricultural district east of Worcester County.

The experience of another year in the disposal of the sewage of the institution by irrigation confirms the opinion expressed in the last report on the advantage of utilizing it in this manner.

The windmill has been in use both night and day in pumping a portion of it upon the lawn in front of the building, and has required no repairs.

The improvement of the hospital-grounds has been continued. A summer-house of graceful proportions has been built in the grove west of the institution. The estate upon both sides of Plantation Street has been enclosed by substantial stone walls.

A small lot of land at the junction of Shrewsbury and Plantation Streets has, since the death of its owner, Polly Tucker, come by purchase into the possession of the hospital. This piece of ground was nearly covered by a dilapidated building, which will now be removed.

A great deal of work has been done on the farm, a list of the products of which is appended to this report.

At the close of the last year two sections of the fourth story were nearly ready for occupation. These have since been occupied, and the work has been continued in other sections of the same story, until, in a few months, the hospital

will have ample accommodations for 650 patients. Of the 26 wards, the walls have been painted in 16.

On the 1st of January Mr. Daniel W. Bemis resigned the office of steward, and Mr. Clarence Buffinton, for some years clerk, was appointed to the office. Mr. James W. Brigham was chosen to fill the vacant clerkship.

On Sept. 1. Dr. Enoch Q. Marston resigned the office of first assistant physician, and Dr. Walter P. Bowers was appointed to fill the position. Mr. F. M. Knapp, jun., has, since the 1st of April, successfully managed the farm.

In conclusion, I desire to acknowledge the hearty co-operation of the officers and employees of the hospital, who with few exceptions have, I believe, worked faithfully for the best interests of the institution.

For your continued advice and encouragement I am under renewed obligations.

JOHN G. PARK,

Superintendent.

WORCESTER LUNATIC HOSPITAL, Oct. 1, 1880.

TABLES.

1. General Statistics of the Year.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1879 . . .	235	255	490
Admissions within the year * . . .	103	130	233
Whole number of cases within the year . . .	338	385	723
Discharges within the year . . .	105	85	190
Viz., as recovered . . .	29	12	41
as much improved . . .	8	12	20
as improved . . .	19	13	32
as unimproved . . .	19	31	50
Deaths . . .	30	17	47
Patients remaining Sept. 30, 1880 . . .	233	300	533
Viz., supported as State patients . . .	48	77	125
as town patients . . .	143	163	306
as private patients . . .	42	60	102
Number of different persons within the year, admitted . . .	334	378	712
recovered . . .	99	123	222
Daily average number of patients . . .	237.75	266.08	503.83

* One nominal admission.

2. Monthly Admissions, Discharges, and Averages.

MONTHS.	ADMISSIONS.			DISCHARGES. (Including Deaths.)			DAILY AVERAGE OF PA- TIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Males.	Females.	Total.
October, 1879 . . .	7	11	18	4	7	11	236.77	258.13	494.80
November, " . . .	10	5	15	7	7	14	237.73	257.27	495.00
December, " . . .	9	5	14	7	5	12	240.06	258.00	498.06
January, 1880 . . .	6	3	9	9	2	11	240.93	256.61	497.54
February, " . . .	11	4	15	10	6	16	241.03	256.45	497.48
March, " . . .	9	11	20	14	7	21	235.55	258.77	494.32
April, " . . .	5	7	12	12	15	27	233.57	256.36	489.93
May, " . . .	19	12	31	11	6	17	231.55	255.93	487.48
June, " . . .	7	13	20	4	8	12	238.73	260.73	499.46
July, " . . .	11	24	35	11	8	19	242.19	277.06	519.25
August, " . . .	2	29	31	5	4	9	239.29	296.71	536.00
September, " . . .	7	6	13	11	10	21	235.60	301.02	536.62
Total of cases . . .	103	130	233	105	85	190	237.75	266.08	503.83
Total of persons, . . .	99	123	222	105	84	189			

3. Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First	84	101	185	—	—	—
Second	10	17	27	6	6	12
Third	4	4	8	2	6	8
Fourth	2	1	3	3	1	4
Fifth	2	3	5	4	5	9
Sixth	1	1	2	—	—	—
Seventh	—	1	1	—	5	5
Thirteenth	—	2	2	—	20	20
Total of cases	103	130	233	15	43	58
Total of persons	99	123	222	9	16	25

4. Ages of Persons admitted for the First Time.

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Fifteen years and less	1	4	5	—	3	3
From 15 to 20 years	5	9	14	3	5	8
20 to 25 years	9	11	20	11	15	26
25 to 30 years	21	13	34	20	11	31
30 to 35 years	11	15	26	13	12	25
35 to 40 years	5	18	23	10	24	34
40 to 50 years	10	11	21	11	11	22
50 to 60 years	6	3	9	7	8	15
60 to 70 years	3	2	5	3	5	8
70 to 80 years	3	3	6	3	5	8
Over 80 years	2	1	3	3	2	5
Unknown	8	11	19	—	—	—
Total	84	101	185	84	101	185

5. Residence of Persons admitted.

PLACES.	Males.	Females.	Total.
Berkshire County	1	—	1
Bristol County	—	1	1
Essex County	—	1	1
Franklin County	2	—	2
Hampden County	3	1	4
Middlesex County	26	30	56
Norfolk County	2	2	4
Suffolk County	12	44	56
Worcester County	54	49	103
State of Rhode Island	2	2	4
State of New York	1	—	1
Total	103	130	233
Cities or large towns	53	86	139
Country districts	50	44	94

6. Civil Condition of Persons admitted.

NO. OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First	31	46	77	41	38	79	5	17	22	7	—	7
Second	5	8	13	5	9	14	—	—	—	—	—	—
Third	3	—	3	1	3	4	—	1	1	—	—	—
Fourth	—	1	1	2	—	2	—	—	—	—	—	—
Fifth	2	—	2	—	1	1	—	2	2	—	—	—
Sixth	1	—	1	—	—	—	—	1	1	—	—	—
Seventh	—	—	—	—	—	—	—	1	1	—	—	—
Thirteenth,	—	1	1	—	—	—	—	1	1	—	—	—
Total	42	56	98	49	51	100	5	23	28	7	—	7

7. *Occupations of Persons admitted.*

OCCUPATIONS.	Males.	Females.	Total.
Architect	1	—	1
Artist	1	—	1
Bar-tender	1	—	1
Blacksmith	1	—	1
Book-keepers	2	1	3
Carpenter	1	—	1
Cameo-cutter	1	—	1
Chair-manufacturer	1	—	1
Cigar-maker	1	—	1
Clerks	3	2	5
Clergyman	1	—	1
Cook	1	—	1
Division master on railroad	1	—	1
Domestics	—	27	27
Farmers	6	—	6
Fireman	1	—	1
Grocers	2	—	2
Hostler	1	—	1
Housekeepers	—	53	53
Insurance agent	1	—	1
Laborers	16	—	16
Machinists	3	—	3
Mason	1	—	1
Mechanics	5	—	5
Moulder	1	—	1
Nurse	—	1	1
Operatives	4	4	8
Painters	4	—	4
Peddler	1	—	1
Road-builder	1	—	1
Sailor	1	—	1
Seamstresses	—	4	4
Shoemakers	15	—	15
Stone-cutters	2	—	2
Tailor and tailoress	1	1	2
Teamster	1	—	1
No occupation	6	27	33
Unknown	14	10	24
Total	103	130	233

8. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital	—	2	2	—	1	1	—	3	3
Under 1 month	16	10	26	7	12	19	23	22	45
From 1 to 3 months	10	7	17	2	4	6	12	11	23
3 to 6 months	7	6	13	2	6	8	9	12	21
6 to 12 months	7	—	7	1	9	10	8	9	17
1 to 2 years	7	3	10	3	8	11	10	11	21
2 to 5 years	2	7	9	4	12	16	6	19	25
5 to 10 years	4	2	6	2	9	11	6	11	17
10 to 20 years	3	2	5	3	4	7	6	6	12
Over 20 years	—	1	1	—	3	3	—	4	4
Unknown	18	12	30	5	10	15	23	22	45
Total of cases	74	52	126	29	78	107	103	130	233
Total of persons	74	52	126	25	71	96	99	123	222
Average of known cases,	Mos. 23	Mos. 45	Mos. 32	Mos. 43	Mos. 49	Mos. 48	Mos. 29	Mos. 48	Mos. 40

9. *Form of Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Total.
Mania, acute	27	21	48
chronic	12	24	36
recurrent	4	10	14
puerperal	—	3	3
Dementia, chronic	5	31	36
Delirium tremens	6	—	6
Delusional insanity	4	—	4
Dipsomania	2	2	4
Epilepsy	7	6	13
General paralysis	9	—	9
Melancholia	21	23	44
Moral insanity	2	—	2
Senile dementia	4	8	12
Idiocy	—	2	2
Total of cases	103	130	233
Total of persons	99	123	222

10. Probable Causes of Insanity in Persons admitted.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PREDISPOSITION.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Mental, —									
Business trouble . . .	1	—	1	—	—	—	1	—	1
Close confinement to business . . .	1	—	1	—	—	—	—	—	—
Desertion . . .	1	—	1	1	—	1	—	—	—
Excessive mental labor .	1	—	1	—	—	—	—	—	—
Family cares and trouble,	1	6	7	—	6	6	—	—	—
Fright . . .	—	1	1	—	—	—	—	—	—
Grief . . .	3	2	5	1	1	2	—	1	1
Hereditary . . .	11	15	26	6	4	10	11	15	26
Loss of property . . .	1	—	1	—	—	—	—	—	—
Love disappointment . .	1	4	5	—	1	1	—	—	—
Nostalgia . . .	1	1	2	—	—	—	—	—	—
Religious excitement . .	3	6	9	1	2	3	3	3	6
Spiritualism . . .	1	—	1	1	—	1	—	—	—
Want of work . . .	1	—	1	—	—	—	—	—	—
Worry . . .	1	—	1	—	—	—	—	—	—
Physical, —									
Brain-fever . . .	1	—	1	—	—	—	—	—	—
Epilepsy . . .	6	6	12	1	2	3	—	—	—
General paralysis . . .	1	—	1	—	—	—	—	—	—
Heat . . .	1	—	1	—	—	—	—	—	—
Ill health . . .	—	8	8	—	3	3	—	1	1
Injury to head . . .	2	2	4	1	1	2	1	2	3
Intemperance . . .	13	10	23	6	3	9	1	1	2
Nervous exhaustion . . .	—	1	1	—	1	1	—	1	1
Masturbation . . .	3	2	5	—	—	—	2	—	2
Miscarriage . . .	—	1	1	—	1	1	—	—	—
Over-work . . .	3	4	7	1	2	3	1	2	3
Puerperal . . .	—	7	7	—	3	3	—	2	2
Scarlet fever . . .	—	1	1	—	—	—	—	—	—
Senility . . .	4	8	12	—	—	—	1	—	1
Sunstroke . . .	3	—	3	—	—	—	1	—	1
Turn of life . . .	—	4	4	—	1	1	—	—	—
Unknown . . .	38	41	79	6	17	23	1	7	8
Total . . .	103	130	233	25	48	73	23	35	58

11. Relation to Hospitals of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Total.
First admission to any hospital for insane .	74	46	120
Former inmates of this hospital	19	29	48
Former inmates of other hospitals in this State, —			
Northampton	3	—	3
Taunton	1	4	5
Danvers	5	40	45
South Boston	—	1	1
Tewksbury	—	4	4
of hospitals elsewhere	1	6	7
Total	103	130	233

12. How supported.

SUPPORTED AS	PATIENTS ADMITTED.			AVERAGE OF THE YEAR.		
	Males.	Females.	Total.	Males.	Females.	Total.
State patients	35	68	103	45.32	49.53	94.85
Town patients	53	47	100	147.47	154.18	301.65
Private patients	15	15	30	44.96	62.37	117.33
Total	103	130	233	237.75	266.08	503.83

13. Discharges, classified by Admission and Result.

ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First	20	9	29	6	9	15	15	9	24	10	24	34	25	16	41	76	67	143
Second	5	1	6	1	1	2	2	3	5	6	4	10	4	-	4	18	9	27
Third	2	-	2	-	1	1	1	1	2	1	1	2	1	1	2	5	4	9
Fourth	1	-	1	1	-	1	-	-	-	2	-	2	-	-	-	4	-	4
Fifth	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2
Sixth	-	1	1	-	-	-	-	-	-	-	1	1	-	-	-	-	2	2
Ninth	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-	2	-	2
Twelfth	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total	29	12	41	8	12	20	19	13	32	19	32	51	30	17	47	105	85	190
Persons	29	12	41	8	12	20	19	13	32	19	32	51	30	17	47	105	84	189

14. Cases discharged Recovered. Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month . . .	9	10	19	5	1	6	2	—	2
From 1 to 3 months . .	7	1	8	10	7	17	5	7	12
3 to 6 months . . .	5	—	5	4	2	6	4	3	7
6 to 12 months . . .	2	1	3	6	1	7	9	1	10
1 to 2 years . . .	2	—	2	3	1	4	5	1	6
2 to 5 years . . .	—	—	—	1	—	1	3	—	3
5 to 10 years . . .	1	—	1	—	—	—	—	—	—
10 to 20 years . . .	—	—	—	—	—	—	1	—	1
Over 20 years . . .	—	—	—	—	—	—	—	—	—
Unknown . . .	3	—	3	—	—	—	—	—	—
Total of cases . . .	29	12	41	29	12	41	29	12	41
Total of persons . . .	29	12	41	29	12	41	29	12	41
Average of known cases .	Mos. 8	M. D. 17	Mos. 5	Mos. 5	Mos. 3	Mos. 5	Mos. 13	Mos. 4	Mos. 10

15. Cases resulting in Death. Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital . . .	—	1	1	—	—	—	—	—	—
Under 1 month . . .	3	3	6	4	6	10	—	2	2
From 1 to 3 months . .	—	3	3	3	3	6	1	2	3
3 to 6 months . . .	2	—	2	3	—	3	—	1	1
6 to 12 months . . .	13	3	16	4	—	4	1	—	1
1 to 2 years . . .	2	5	7	4	2	6	9	1	10
2 to 5 years . . .	2	1	3	5	4	9	7	8	15
5 to 10 years . . .	2	1	3	5	1	6	3	2	5
10 to 20 years . . .	2	—	2	1	1	2	2	—	2
20 to 30 years . . .	1	—	1	—	—	—	1	1	2
Over 30 years . . .	1	—	1	1	—	1	4	—	4
Unknown . . .	2	—	2	—	—	—	2	—	2
Total . . .	30	17	47	30	17	47	30	17	47
Average of known cases .	Mos. 60	Mos. 25	Mos. 47	Mos. 44	Mos. 28	Mos. 38	Mos. 107	Mos. 50	Mos. 86

16. Cases discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania, acute . . .	10	7	17	—	3	3
chronic . . .	1	—	1	7	4	11
recurrent . . .	2	3	5	—	—	—
Melancholia . . .	9	2	11	2	2	4
Dipsomania . . .	7	—	7	—	—	—
Dementia . . .	—	—	—	7	6	13
Epilepsy . . .	—	—	—	2	2	4
General paralysis . . .	—	—	—	9	—	9
Organic brain-disease . . .	—	—	—	1	—	1
Paralysis . . .	—	—	—	2	—	2
Total of cases . . .	29	12	41	30	17	47
Total of persons . . .	29	12	41	—	—	—

17. Causes of Death.

CAUSES.	Males.	Females.	Total.
Exhaustion of acute mania . . .	—	3	3
of chronic mania . . .	2	2	4
of acute melancholia . . .	1	1	2
of chronic melancholia . . .	1	—	1
of senile dementia . . .	4	2	6
Cystitis . . .	1	—	1
Enteritis . . .	1	—	1
Epilepsy . . .	2	2	4
Gangrene of arm . . .	—	1	1
General paralysis . . .	9	—	9
Heart-disease . . .	2	1	3
Organic brain-disease . . .	1	—	1
Paralysis . . .	3	3	6
Peritonitis . . .	—	1	1
Phlebitis supervening upon erysipelas . . .	1	—	1
Phthisis pulmonalis . . .	1	1	2
Pleurisy with effusion . . .	1	—	1
Total . . .	30	17	47

18. Deaths, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			IMPROVED.			NOT IMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First . .	2	1	3	2	-	2	1	-	1	5	1	6
Second . .	1	1	2	-	-	-	-	-	-	1	1	2
Total . .	3	2	5	2	-	2	1	-	1	6	2	8

19. Recoveries, classified by Results of Previous Admissions.

NO. OF THE ADMISSION.	RECOVERED.			IMPROVED.			TOTAL.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First. . . .	9	2	11	-	1	1	9	3	12
Second	3	-	3	1	2	3	4	2	6
Third	1	1	2	1	1	2	2	2	4
Fourth	1	2	3	-	-	-	1	2	3
Fifth	1	1	2	-	-	-	1	1	2
Sixth	1	-	1	-	-	-	1	-	1
Seventh	1	-	1	-	-	-	1	-	1
Eighth	-	-	-	1	-	1	1	-	1
Total	17	6	23	3	4	7	20	10	30

20. Deaths, classified by Duration of Insanity and of Treatment.

PERIOD.	DURATION OF INSANITY.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital	—	1	1	—	—	—
Under 1 month	—	1	1	4	5	9
From 1 to 3 months	1	1	2	3	4	7
3 to 6 months	—	1	1	2	—	2
6 to 12 months	2	—	2	5	—	5
1 to 2 years	7	1	8	4	2	6
2 to 5 years	7	8	15	5	4	9
5 to 10 years	4	2	6	5	1	6
10 to 20 years	2	1	3	1	1	2
Over 20 years	5	1	6	1	—	1
Unknown	2	—	2	—	—	—
Total	30	17	47	30	17	47
Average of known cases	Months. 111	Months. 62	Months. 91	Months. 45	Months. 28	Months. 38

21. Ages of Those who Died.

AGES.	AT TIME OF THE FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Total.	Males.	Females.	Total.
15 years and less	1	1	2	—	1	1
From 15 to 20 years	—	—	—	—	—	—
20 to 25 years	3	1	4	—	—	—
25 to 30 years	4	3	7	3	2	5
30 to 35 years	3	2	5	1	2	3
35 to 40 years	4	—	4	6	1	7
40 to 50 years	3	5	8	1	4	5
50 to 60 years	2	1	3	7	2	9
60 to 70 years	5	2	7	2	1	3
70 to 80 years	4	1	5	9	3	12
Over 80 years	1	1	2	1	1	2
Total	30	17	47	30	17	47

23. *Relapsed Cases admitted in each Year, and discharged in 1880.*

YEARS ENDING			CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																	
			DISCHARGED AND DIED IN 1880.																	
			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			REMAINING SEPT. 30, 1880.		
						Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			Males.	Females.	Total.
ADMITTED.			Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.			
Sept. 30, 1868	.	.	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
30, 1869	.	.	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
30, 1870	.	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30, 1871	.	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30, 1872	.	.	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
30, 1873	.	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30, 1874	.	.	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2
30, 1875	.	.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30, 1876	.	.	5	2	7	-	-	-	-	-	-	-	-	-	1	1	2	-	-	-
30, 1877	.	.	6	4	10	-	-	-	-	1	1	2	-	-	-	-	-	4	3	7
30, 1878	.	.	9	8	17	-	-	-	-	1	1	2	-	-	-	-	-	5	7	12
30, 1879	.	.	7	7	14	-	-	-	-	1	1	2	-	-	1	1	2	1	4	6
30, 1880	.	.	9	16	25	2	3	5	2	-	-	1	-	-	-	-	-	4	12	16
Total.	.	.	41	47	88	9	3	12	2	2	4	3	2	5	2	2	4	2	1	3
																		23	37	60

Record of 12,401 Cases admitted to Worcester Lunatic Hospital from its Opening Jan. 19, 1833, to Sept. 30, 1880.

	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
Number of persons admitted	-	-	-	4,669	4,577	9,246	-	-	-
Number of re-admissions	1,536	1,407	3,003	-	-	-	-	-	-
Re-admissions without removal from hospital	74	78	152	-	-	-	-	-	-
Total number of re-admissions	-	-	-	1,610	1,545	3,155	-	-	-
Number of cases	-	-	-	-	-	-	6,279	6,122	12,401
Cases in other hospitals previous to first admission here	-	-	-	573	608	1,181	-	-	-
Cases in other hospitals between first admission and any subsequent admission	-	-	-	63	72	135	-	-	-
Transfers to State hospitals in this State on first admission	-	-	-	402	423	825	636	680	1,316
Removed to other institutions in this State on first admission	-	-	-	16	15	31	-	-	-
Sent to hospitals out of this State on first admission, Transfers to State hospitals in this State on re-admissions	-	-	-	10	11	21	-	-	-
Removed to other institutions in this State on re-admissions	-	-	-	134	163	297	-	-	-
Sent to hospitals out of the State on re-admissions, Persons admitted	-	-	-	7	5	12	-	-	-
Cases in this hospital	-	-	-	9	-	9	578	617	1,195
Previously in other hospitals	-	-	-	4,669	4,577	9,246	-	-	-
Removed to hospitals and institutions upon discharge	-	-	-	-	-	-	6,279	6,122	12,401
Total cases	-	-	-	-	-	-	636	680	1,316
	-	-	-	-	-	-	578	617	1,195
	-	-	-	-	-	-	7,493	7,419	14,912

Showing the Results of First Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of persons on first admission	—	—	—	4,669	4,577	9,246
Discharged recovered	1,677	1,694	3,371			
improved	1,231	1,238	2,469			
not improved	880	798	1,678			
not insane	2	2	4			
Died	720	633	1,353			
Eloped	3	—	3			
Remaining in the hospital Sept. 30, 1880	156	212	368	4,669	4,577	9,246

Showing the Results of Re-admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of re-admissions	—	—	—	1,610	1,545	3,155
Discharged recovered	611	652	1,263			
improved	442	400	842			
not improved	286	243	529			
Died	194	162	356			
Remaining in the hospital Sept. 30, 1880	77	88	165	1,610	1,545	3,155

Showing the Results of Second Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 2d admissions	—	—	—	950	941	1,891
Discharged recovered	316	333	649			
improved	252	259	511			
not improved	204	172	376			
Died	134	115	249			
Remaining in the hospital Sept. 30, 1880	44	62	106	950	941	1,891

Showing the Results of Third Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 3d admissions	—	—	—	313	275	588
Discharged recovered	130	127	257			
improved	84	67	151			
not improved	45	37	82			
Died	38	27	65			
Remaining in the hospital Sept. 30, 1880	16	17	33	313	275	588

Showing the Results of Fourth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 4th admissions .	—	—	—	133	121	254
Discharged recovered .	58	57	115			
improved .	42	36	78			
not improved .	20	17	37			
Died .	5	9	14			
Remaining in the hospital Sept. 30, 1880 .	8	2	10	133	121	254

Showing the Results of Fifth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 5th admissions .	—	—	—	65	61	126
Discharged recovered .	31	34	65			
improved .	14	13	27			
not improved .	6	8	14			
Died .	8	4	12			
Remaining in the hospital Sept. 30, 1880 .	6	2	8	65	61	126

Showing the Results of Sixth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 6th admissions .	—	—	—	35	33	68
Discharged recovered .	21	19	40			
improved .	7	8	15			
not improved .	2	2	4			
Died .	3	3	6			
Remaining in the hospital Sept. 30, 1880 .	2	1	3	35	33	68

Showing the Results of Seventh Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 7th admissions .	—	—	—	25	22	47
Discharged recovered .	14	14	28			
improved .	5	4	9			
not improved .	3	1	4			
Died .	3	2	5			
Remaining in the hospital Sept. 30, 1880 .	—	1	1	25	22	47

Showing the Results of Eighth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 8th admissions .	—	—	—	19	16	35
Discharged recovered .	9	11	20			
improved .	9	3	12			
not improved .	1	2	3	19	16	35

Showing the Results of Ninth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 9th admissions .	—	—	—	15	14	29
Discharged recovered .	9	9	18			
improved .	4	4	8			
not improved .	1	1	2			
Died	1	—	1	15	14	29

Showing the Results of Tenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 10th admissions .	—	—	—	12	13	25
Discharged recovered .	5	10	15			
improved .	6	2	8			
not improved .	1	1	2	12	13	25

Showing the Results of Eleventh Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 11th admissions .	—	—	—	11	12	23
Discharged recovered .	3	8	11			
improved .	6	3	9			
not improved .	1	1	2			
Died	1	—	1	11	12	23

Showing the Results of Twelfth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 12th admissions .	—	—	—	9	9	18
Discharged recovered .	3	8	11			
improved .	4	1	5			
not improved .	1	—	1			
Died	1	—	1	9	9	18

Showing the Results of Thirteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 13th admissions .	—	—	—	7	8	15
Discharged recovered .	3	5	8			
improved .	3	—	3			
not improved .	1	—	1			
Remaining in the hospital Sept. 30, 1880	—	3	3	7	8	15

Showing the Results of Fourteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 14th admissions .	—	—	—	5	5	10
Discharged recovered .	3	5	8			
improved .	2	—	2	5	5	10

Showing the Results of Fifteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 15th admissions .	—	—	—	4	4	8
Discharged recovered .	2	3	5			
improved .	2	—	2			
Died	—	1	1	4	4	8

Showing the Results of Sixteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 16th admissions .	—	—	—	2	2	4
Discharged recovered . .	1	2	3			
improved . .	1	—	1	2	2	4

Showing the Results of Seventeenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 17th admissions .	—	—	—	2	2	4
Discharged recovered . .	2	1	3			
not improved . .	—	1	1	2	2	4

Showing the Results of Eighteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 18th admissions .	—	—	—	2	2	4
Discharged recovered . .	1	1	2			
Died	—	1	1			
Remaining in the hospital Sept. 30, 1880	1	—	1	2	2	4

Showing the Results of Nineteenth Admissions.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 19th admissions .	—	—	—	1	1	2
Discharged recovered . .	—	1	1			
improved . .	1	—	1	1	1	2

Showing the Result of Twentieth Admission.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 20th admissions .	—	—	—	—	1	1
Discharged recovered . .	—	1	1			

Showing the Result of Twenty-first Admission.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 21st admissions .	—	—	—	—	1	1
Discharged recovered . .	—	1	1			

Showing the Result of Twenty-second Admission.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 22d admissions .	—	—	—	—	1	1
Discharged recovered . .	—	1	1			

Showing the Result of Twenty-third Admission.

	Males.	Females.	Total.	Males.	Females.	Total.
Number of 23d admissions .	—	—	—	—	1	1
Discharged recovered . .	—	1	1			

[illegible]

PRODUCTS OF GARDEN AND FARM.

Apples	1,800	barrels
Asparagus	6 $\frac{1}{4}$	bushels
Beet-greens	3 $\frac{1}{2}$	bushels
Beets	141 $\frac{1}{8}$	bushels
Beans, shell	89	bushels
Cucumbers	65	bushels
Cauliflower	152	pounds
Currants	29	quarts
Cabbage	3,573	heads
Carrots	722	bushels
Corn, sweet	18,282	ears
Celery	4,151	heads
Cantaloupes	270	
Egg-plant	32	
Gherkins	$\frac{1}{4}$	bushel
Lettuce	2,196	heads
Leek	3,050	
Onions	27 $\frac{1}{2}$	bushels
Okra	2 $\frac{1}{2}$	bushels
Parsley	25	bushels
Pease	68 $\frac{1}{4}$	bushels
Parsnips	205 $\frac{1}{2}$	bushels
Peppers	4	bushels
Pumpkins	586	pounds
Potatoes	240	bushels
Pop-corn	10	bushels
Rhubarb	35	bushels
Radishes	8,815	
Squashes	1,647	
Squashes, winter	16,116	pounds
String-beans	28 $\frac{3}{8}$	bushels
Spinach	69 $\frac{1}{2}$	bushels
Sage	$\frac{1}{2}$	bushel
Salsify	12	bushels
Strawberries	595	quarts
Turnips	21 $\frac{1}{2}$	bushels
Turnips, ruta-baga	1,265	bushels

Tomatoes	222 $\frac{1}{2}$	bushels
Whitloof	1 $\frac{1}{2}$	pecks
Mangel-wurzel beets	600	bushels
Hay	110	tons
Stock and swale hay	30	tons
Rowen	20	tons
Fodder-corn	50	tons
Rye-straw	12	tons
Rye for fodder	8	tons
Oats in straw	1 $\frac{1}{2}$	tons
Buckwheat-seed	100	bushels
Rye-seed	140	bushels
Milk	104,341	quarts
Pork	12,938	pounds
Beef	5,058	pounds

APR 25 '39 W.P.A.

