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## THIRTY-SECOND ANNUAL REPORT

OF THE

# WORCESTER STATE ASYLUM

AT

## WORCESTER,

FOR THE

YEAR ENDING NOVEMBER 30, 1909.

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## OFFICERS OF THE ASYLUM.

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#### TRUSTEES.

THOMAS	RUSS	ELL,					Boston.
CARRIE	B. HA	RRIN	GTON	Ι,			WORCESTER.
FRANCES	5 M. I	INCOI	LN,				WORCESTER.
SAMUEL	B. W	OODW	ARD,	, .			WORCESTER.
GEORGE	F. BI	LAKE,					WORCESTER.
LYMAN	A. EL	Y, .					Worcester.
THOMAS	<b>H.</b> G.	AGE,					WORCESTER.

#### RESIDENT OFFICERS.

ERNEST V. SCRIBNER, M.D.,			Superintendent.
H. LOUIS STICK, M.D., .			Assistant Physician.
ARTHUR E. PATTRELL, M.D.,			Assistant Physician.
B. HENRY MASON, M.D., .			Assistant Physician.
WILLIAM T. BAILEY, M.D.,			Assistant Physician.
ABBIE S. FAY,			Matron.

#### NON-RESIDENT OFFICERS.

ALBERT	WOOD, .					Treasurer.
GEORGE	L. CLARK	, .				Examiner.
SUSIE G	. WARREN	, .				Clerk.
FREDER	ICK H. BA	KER,	M.I	).,		Pathologist.
FOREST	A. SLATEF	λ, .				Engineer.

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## The Commonwealth of Massachusetts.

#### TRUSTEES' REPORT.

#### To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester State Hospital, having in charge the Worcester State Asylum, respectfully submit their thirty-second annual report of the asylum, together with the reports of the superintendent and treasurer. The reports of the superintendent and treasurer are hereto annexed, and contain detailed statements of the condition and the work of the asylum in all its branches, together with the changes in the staff of the institution.

There has been no new work undertaken at the asylum this year and no appropriation will be asked therefor for the ensuing year beyond the appropriation necessary for its maintenance.

At the colony at Grafton the work of enlargement goes on. The new building for 60 excitable women has been finished and opened for use, and the others authorized last year are in process of erection. To provide for the growth of the colony the trustees ask for an appropriation of \$9,700 for a new kitchen and dining room for the No. 1 group of buildings.

During the past few years the asylum has been called upon to care for a large number of violent and excitable cases, demanding close supervision and confinement, and new buildings for their use have been constructed at the colony, but now it seems to the trustees that there is opportunity to return to the original purposes of the colony, — the care of a class of cases not needing such close supervision, who can be given work on the land and who can derive benefit therefrom, while not needing buildings of such substantial and expensive construction as the more excitable cases. To provide for such cases the trustees recommend an appropriation of \$41,300 for the erection of two buildings, one for the accommodation of 50 men at the Oaks, and one for 50 women at the No. 2 group of buildings.

With the appropriation granted last year for the increase of the water supply at the colony, two lots of land have been purchased and an abundant supply of fine water has been obtained, which furnishes water enough for the needs of the colony, and is capable of increased development as these needs increase.

The work of sewage disposal under last year's appropriation is proceeding well.

The trustees desire here to express their appreciation of the faithful and efficient work of the superintendent, members of the staff and employees of the asylum during the past year.

Respectfully submitted,

THOMAS RUSSELL. CARRIE B. HARRINGTON. FRANCES M. LINCOLN. SAMUEL B. WOODWARD. GEORGE F. BLAKE. LYMAN A. ELY. THOMAS H. GAGE.

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#### SUPERINTENDENT'S REPORT.

#### To the Trustees of the Worcester State Hospital, having in Charge the Worcester State Asylum.

I respectfully present to your Board the thirty-second annual report of the superintendent of the Worcester State Asylum.

Our statistical year begins October 1 and ends September 30. On Oct. 1, 1908, 488 men and 547 women - 1.035 persons were inmates of this institution. During the year 97 men and 69 women — 166 cases — were admitted by transfer from other institutions or from boarding out; 4 men and 5 women - 9 cases - were returned from visit, making the whole number under treatment for the year 589 men and 621 women - 1,210 cases. Of these cases, 4 men and 6 women were readmissions, leaving a total of 1,200 different persons - 585 men and 615 women. There were dismissed during the year 45 men and 37 women - 82 cases. Of this number, 1 woman recovered, 6 men and 3 women were capable of self-support, 1 man and 3 women were improved, 2 men and 2 women were not improved, and 29 men and 24 women died, leaving a total of 544 men and 584 women - 1,128 patients - remaining Sept. 30, 1909. The daily average number of patients for the statistical year was 1,062.57, as against 987.48 for the previous year. Each year shows a steady and substantial increase in numbers.

The physical condition of the persons admitted has been more unsatisfactory than usual. This is the more to be regretted as we are greatly in need of more assistance in the conduct of the various departments. When we come to consider the mental condition of the 166 persons admitted the findings are quite as unsatisfactory. More than 25 per cent. of these were cases of primary dementia, for whose recovery or even decided improvement there is slight hope. Almost as great a number, over 24 per cent., were epileptics, the majority imbecile and far gone in

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dementia. Nearly 15 per cent. were cases of alcoholic insanity, perhaps in some respects more promising than the abovementioned classes but still not encouraging. And yet in this material good undoubtedly exists, and this good it is our duty and privilege to discover and draw out in such manner as we may be able. In all but the most hopelessly demented some remnant of interest in life remains, and if we can but approach it in the right way some renewal of mental activity may be hoped for. In the majority of cases any improvement which takes place stops far short of recovery, but often results in an increased ability to enjoy life.

Of the persons discharged 1 woman recovered and was allowed to go to the home of her parents in Portugal. This case is worthy of more than passing notice, not only because of the apparently hopeless class of cases from which it sprung, but also because of the usually hopeless character of the type of disease, epileptic insanity. In this disease not only was there an abatement of the mental symptoms but a complete cessation of epileptic seizures for a long period previous to discharge. This patient had a history of frequent and prolonged epileptic seizures, usually attended by intense mental excitement, violence towards others, and the most persistent and energetic suicidal attempts which I have ever known. When this patient left the institution she was in an apparently normal mental and physical state. Such cases of recovery, after years of hospital residence, are indeed rare, but the fact that they do sometimes occur lends an added interest to the study of chronic mental conditions.

The general physical health of both patients and employees has been good. There has been no case of contagious disease during the year. The death-rate among the patients has been very small, considering the class of feeble and demented cases with which we deal. The regulation of the habits of life and the careful and systematic attention which the insane receive in our public institutions evidently tend to the prolongation of their lives, and, to my mind, account for no inconsiderable percentage of the accumulation in hospitals. Tuberculosis occasioned about 25 per cent. of all the deaths. Senility was responsible for about 12 per cent. of the mortality. This cause of death must of course become of increasing importance in

#### 1909.] PUBLIC DOCUMENT — No. 23.

succeeding years through the operation of natural causes, as but a small percentage of our cases are discharged or transferred.

During the last year the difficulty in securing proper employees has been less than usual. This has probably been due to several causes. The general business of the country has not offered full opportunities of employment and the conditions of the service here have been improved. Some increase in compensation has also been made. All laborers, workmen and mechanics have served an eight-hour day, in accordance with the law. With the exception of the official staff and the heads of departments all other persons have been accorded a service of sixty hours per week, with one day off in every seven. This has increased in no small measure the expenses of maintenance, but I believe that adequate return has been made for the money expended, and I feel that nothing less generous should be accorded for the coming year. A steady betterment is also being made in the conditions under which our employees live. The last Legislature gave money for providing additional accommodations for employees. Three new cottages for nurses are now in process of construction and additional rooms are being finished off in existing buildings. Some of these rooms are already occupied.

The old farmhouse at our No. 1 colony serves as a general business headquarters and also provides kitchen and dining facilities for the officers and for considerable numbers of our farm help. The present quarters are taxed beyond their capacity. The present kitchen should be greatly enlarged, and an addition should be made which will provide a new dining room for the general employees. Plans have been drawn covering these requirements and a careful estimate of the cost of construction has been made. In the working out of these plans it has been possible to make provision for a few additional sleeping rooms and new toilet facilities. I recommend that your Board ask the coming Legislature for an appropriation of \$9,700 to provide for the accomplishment of this work.

Last year plans were prepared for one new building for 50 men and one for 50 women, and an appropriation for their erection was asked for. The necessity for these buildings and

the plans for their construction were approved by the State Board of Insanity, but in view of the great financial demands upon the Commonwealth at that time it was finally deemed wise to defer action on that matter. Plans and estimates covering this work are already on file with the State Board of Insanity. I recommend that your Board again ask the Legislature for the necessary authority and funds for the carrying out of . these plans. The sum of \$41,300 will be necessary for the erection of these two buildings. Should this request be granted the carrying on of our colony work will be greatly facilitated. These plans call for one-story wooden buildings, with high basement, and are intended to make provision for the more quiet of our colony patients. In each case these buildings are intended as additions to already established groups. On account of economies in heating and general administration I regard it as better policy to more fully develop existing centers before we turn to the establishment of new ones.

At the time of the presentation of my last report the water supply at the colony was very short. The last Legislature granted an appropriation for the purpose of obtaining some additional source of supply and for connection with our existing service. Two lots of land have been secured, lying from onehalf to three-fourths of a mile from the general colony property. From tests and examinations which have been made each one of these properties seems to control an independent source of water supply, and is so located as to be free from all danger of local contamination. The nearer supply has been developed first, and the returns have been so satisfactory that it probably will not be necessary to turn to the second source for some time Ten wells have been driven on this property. to come. A careful test conducted at the time of our greatest drought developed an apparently constant output of some 180,000 gallons per day. The State Board of Health has reported favorably on this supply as to quality, quantity and appropriateness of the source from which it is derived. A pipe line has been laid connecting these wells with our old system, and a temporary pump is already delivering water from the new source. The work of erecting a substantial pump house and the installation of permanent pumps will be pushed to as rapid completion as possible.

The property where this water supply has been developed consists of a farm of some 113 acres of land, with a fairly good house and barn. The house is already occupied by one of our employees with his family, and the barn is utilized for the care of some of our growing young stock. The farm can be made a good hay producer, and is a substantial addition to our colony lands, aside from its value as a water producer.

The work on our sewage-disposal plant is being steadily prosecuted. The construction of the filter beds is being done by contract. The completion of the pipe lines connecting with these filter beds is being accomplished by our own employees and teams with considerable assistance from patients. This whole work will be pushed to as early completion as possible.

Work on the service building at the women's group, the erection of which was authorized by the last Legislature, is progressing satisfactorily. Steam heat will soon be in the building, which will enable the work of interior finishing to continue without interruption. This building will probably be ready for use at an earlier date than called for in the contract.

The building for 60 women has been completed and named the Larches, and is now occupied. This building seems well adapted to our uses. It has a large, dry and well-lighted basement, and being located near our power house and laundry offers excellent opportunity for the establishment of various industrial operations suited to women patients.

An attempt has been made at our colony during the past year to interest some of our female patients in out-of-door work. This effort has met with a reasonable measure of success. A crew of working women has taken care of the grounds at the women's group, and has done considerable work in the weeding and hoeing of our gardens and other light agricultural work suited to a woman's strength. As all of our already developed workers were fully employed in the different departments, this out-of-door crew was largely recruited from patients who have formerly sat around the house and done very little or nothing at all. Particular attention has been paid to getting out the noisy and troublesome patients. This practice has the effect of making this special outside crew less in numbers, but it has relieved the wards of some of its noisy and turbulent women, and in most

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instances with marked benefit to the patients. The measure of success in this work has not been so much the amount of labor accomplished as the numbers of patients who have been taken out and led back into habits of industry. As the winter is closing in this same working crew is undertaking the cane seating of chairs, to occupy that time when it does not seem suitable for them to engage in out-of-door work. Already some fairly creditable work has been done by some quite unpromising patients. It is proposed to introduce other industries as time and opportunity admit. Considerable numbers of male patients, both at the asylum and at the colony, have been constantly employed in the various departments and in out-of-door work, with profit to themselves and to the institution. Here, again, as with the women, special effort has been made to interest and employ the excited and incorrigible. Encouraging results have been ob-The asylum is seriously handicapped so far as good tained. working patients are concerned, because its inmates are all received by transfer from other institutions, and of course the best workers are retained where first admitted.

There has been but one change in the official staff. Dr. R. C. Kell resigned his position to accept a position in a Pennsylvania institution. Dr. William T. Bailey was appointed to fill the position made vacant.

Officers and employees have, as a whole, united in rendering an efficient service, which has made possible any measure of success which may have been attained. I wish to acknowledge my indebtedness to them.

Thanks are due to the publishers of the "Worcester Evening Gazette" for a copy of their paper. The Hospital Newspaper Society has furnished us with a generous supply of books and papers. I wish also to thank the Worcester Employment Society for the great amount of sewing which has been done for the institution.

> E. V. SCRIBNER, Superintendent.

### OFFICERS AND THEIR SALARIES.

ERNEST V. SCRIBNER, M.D., Superintendent,			\$3,000 00
H. LOUIS STICK, M.D., Assistant Physician,			1,600 00
ARTHUR E. PATTRELL, M.D., Assistant Physician	г,		1,200 00
B. HENRY MASON, M.D., Assistant Physician,			1,000 00
WILLIAM T. BAILEY, M.D., Assistant Physician,			S00 00
FREDERICK H. BAKER, M.D., Pathologist, .			100 00
ABBIE S. FAY, Matron,			S00 00
ALBERT WOOD, Treasurer,			$400 \ 00$
George L. Clark, Examiner,			50.00
SUSIE G. WARREN, Clerk,	•		780 00
FOREST A. SLATER, Engineer,			1,000 00

### VALUE OF STOCK AND SUPPLIES

DEC. 1, 1909.

Live stock,									\$14,330	00
Produce of farm on ha	und,								3,600	89
Carriages and agricult	ural	imple	ement	s,					5,052	49
Machinery and mechan	nical	fixtu	res,						46,051	82
Beds and bedding in in	mate	es' de	partn	aent,				•	28,688	03
Other furniture in inm	ates'	depa	rtmer	ıt,					$11,\!402$	15
Personal property of S	tate	in su	perin	tende	ent's d	lepar	tment	t,	10,000	00
Ready-made clothing, .									$5,\!102$	31
Dry goods,		•							1,191	95
Provisions and groceri	.es,								8,706	18
Drugs and medicines, .									600	00
Fuel,									6,217	70
Library,		•	•						1,365	00
Other supplies undistri	bute	d, _							4,806	50

\$147,115 02

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### TREASURER'S REPORT.

To the Trustees of the Worcester State Hospital, acting for the Worcester State Asylum.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1909: --

CASH ACCOUNT.

Receipts.

		TIELE	upis.					
Institution Receipts.								
Board of inmates:								
Reimbursements, .					\$5,219	31		
Salaries, wages and labor: —								
Wages not called for, .					21	85		
Sales: —					•			
Food,			\$105	84				
Clothing and materials,			240	14				
Furnishings,			1	25				
Repairs and improvements,			8	80				
Miscellaneous,			224	79				
					580	82		
Farm, stable and grounds:								
Cows and calves, .			\$62	00				
Hides,			18	12				
					80	12		
Miscellaneous receipts: —								
Interest on bank balances,			\$133	84				
Sundries,				05				
					135	89		
							6,037	00
							0,001	99
Receipts from Treasury of	Cor	птоп	wealth.					
Maintenance appropriations: -								
Balance of 1908, .	•	•	•	•	\$7,844			
Advance money, .	•	•	•	•	15,000			
Approved schedules of 1909	Ι,	•	•	•	228,354	80		
							251,199	34
Special appropriations, .				• .			70,402	91
Total,							\$331,640	<b>24</b>

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	I	Paym	ents.			
To treasury of Commonwealth, i	nstitu	ition	receit	ots.	\$6,037 99	
Maintenance appropriations: -			1	,	***	
Balance November schedule	e, 190	8,			11,844 54	
Eleven months' schedules,					228,354 80	
November advances, .					13,057 64	
						\$259,294 97
Special appropriations:						,
Approved schedules, .					\$70,402 91	
November advances, .	•	•	•	•	205 95	
november auvances, .	•	•	•	•	. 200 50	70,608 86
D I N 00 1000						10,000 00
Balance Nov. 30, 1909: —						
In bank,	•	·	•	•	\$705 97	
In office,	•	·	•	•	1,030 44	
						1,736 41
Total,	•	-	•	•		\$331,640 24
	Ma	INTE	NANCI	2		
	ma	110110	NANCI	<b>.</b>		@0F0 000 00
Appropriation,	•	·	•	•	• • •	\$258,000 00
Expenses (as analyzed below),	•	•	·	•	• • •	254,594 45
	c	a		1.1		
Balance reverting to treasu	ry of	Com	monw	vealth,	· · ·	\$3,405 55
A	nalus	sis of	Expe	enses.		
Salaries, wages and labor: — General administration,					@90 600 FO	
	·	•	•	•	\$28,680 50	
Medical service,	•	•	•	•	8,417 68	
Ward service (male), .	÷	•	•	·	17,937 69	
Ward service (female),	÷	•	•	•	15,599 82	
Repairs and improvements,		•	•	•	14,672 32	
Farm, stable and grounds,	•	•	•	•	15,018 72	
						\$100,326 73
Food: —						
Butter,					\$11,570 95	
Beans,					957 60	
Bread and crackers, .					530 60	
Cereals, rice, meal, etc.,					1,381 42	
Cheese,					793 51	
Fam					2,032 21	
					12,142 95	
Flour, Fish,					1,886 98	
Fruit (dried and fresh),					2,683 52	
Meats,					15,992 93	
Milk,					360 11	
Molasses and syrup, .					361 95	
Sugar,					2,991 72	
Tea, coffee, broma and coco	าย.	:			1,841 94	
Vegetables,	,				5,890 89	
Sundries,	·	•	•	·	1,721 76	
Summes,	•	·	•	•	1,121 10	63,141 04
						00,111 01
Amount carried forward,						\$163,467 77
Amouni carried forward,	•	·	•	•	• • •	\$100,201 11

Amount brought forward,	\$163,467 77
Clothing and materials:	
Clothing,	
Dry goods for clothing and small wares, . 1,350 90	
Furnishing goods,	
Hats and caps,	
Leather and shoe findings,	
Sundries,	
Furnishings:	12,045 88
Beds, bedding, table linen, etc., \$7,016 72	
Brushes, brooms,	
Brushes, brooms,         .         .         .         516         15           Carpets, rugs, etc.,         .         .         .         .         .         299         21	1
Crockery, glassware, cutlery, etc.,	
Furniture and upholstery,	
771/ 1 / 11/	
Kitchen furnishings,646-33Wooden ware, buckets, pails, etc.,112-67	
Sup laise	
Sundries,	10.055 50
	12,377 52
Heat, light and power: —	
Coal,         . <td></td>	
Freight on coal,	<i>i</i>
Gas,	
Oil,	
Sundries,	
	25,009 17
Repairs and improvements:	,
Brick	
Brick,         .         .         .         .         \$138         31           Cement, lime and plaster,         .         .         .         .         .         361         26	
Electrical much and much	
Electrical work and supplies,	
Hardware, 1,963 83	
Lumber, 1,820 59	
Machinery, etc.,       1	
Paints, oil, glass, etc., 2,223 97	
Plumbing, steam fitting and supplies, 2,109 94	
Roofing and materials,	
Sundries,	
	11,160 89
Farm, stable and grounds:	
Blacksmith and supplies,	
Carriages, wagons, etc., and repairs,	
Eastilizer size and sta	
Fertilizers, vines, seeds, etc.,	
Hay, grain, etc.,	
Harnesses and repairs,	
Horses,	
Cows,	
Other live stock,	
Tools, farm machines, etc.,	
Sundries, 1,027 62	
	19,110 43
Miscellaneous:	
Books, periodicals, etc., \$398 80	
Chapel services and entertainments,	
competition and entertaintients,	
Amounts carried forward, \$1,173 10	\$243,171 66

Amounts brought for	vard,		•			\$1,173	10	\$243,171	66
Miscellaneous — Con.									
Freight, expressage :	and tra	inspol	rtatio	n,		1,300	51		
Funeral expenses,						289	00		
Hose, etc.,						85	16		
Ice,						103	90		
Medicines and hospi	tal sup	plies,				1,400	68		
Medical attendance,	nurses	, etc.	(extra	a),		78	00		
Postage,						197	55		
Printing and printin	g supp	lies,				5	08		
Return of runaways						27	33		
Soap and laundry su	pplies,					2,558	41		
Stationery and office	e suppli	ies,				577	85		
Travel and expenses	(officia	als),				137	97		
Telephone and teleg	raph,					452	37		
Tobacco,						554	01		
Water,						1,581	08		
Sundries,			•	•		900	79		
								11,422	79
Total expenses	for mai	inten	ance,			• •		\$254,594	45
	SE	PECIAI	ь Арр	ROPR	IATION	vs.			
Balance Dec. 1, 1908,								\$49,911	55
Appropriations for fiscal				÷				76,000	
Total,			•				•	\$125,911	55
Expended during the yea	r (see s	tatem	ient a	nnexe	ed),	\$70,402	91		
Reverting to treasury of	Comm	onwe	alth,			10	92		
								70,413	83
Balance Nov. 30, 19	09,							\$55,497	72
	Reso	URCE	S ANI	D LIA	BILITI	ES.			

#### BILITIE

#### - Resources.

Cash on hand,				•	8	51,736	41	
November cash vouchers (paid	from	advan	ce mo	ney),	1	3,263	59	
Due from treasury of Com	mon	vealth	acc	$\operatorname{ount}$				
November, 1909, schedule,					1	1,239	65	
								\$26,239 65
		Liabil	ities.					
Schedule of November bills,								\$26,239 65

Ohrect. Sewage disposal,		Acts 1907, chap. 88,	Whole Amo	Expended during Fiscal Year. \$1,291_00		Balance at End of Year.
Water supply, Building for 60 women, Furnishings for employees, etc., Silos and extending electric service, .		Acts 1907, chap. 88, Acts 1908, chap. 146, Acts 1908, chap. 146, Acts 1908, chap. 146,	$\begin{array}{c} 5,500 \ 00\\ 50,000 \ 00\\ 4,500 \ 00\\ 2.400 \ 00\end{array}$	$\begin{array}{c} 4,082 \ 06 \\ 34,247 \ 54 \\ 2,340 \ 48 \\ 797 \ 09 \end{array}$	$\begin{array}{c} 5,497 \ 18 \\ 47,889 \ 19 \\ 4,494 \ 84 \\ 1.736 \ 81 \end{array}$	$\begin{array}{c} 2 & 82 \\ 2,110 & 81 \\ 5 & 16 \\ 663 & 19 \end{array}$
Sewerage and water system, Dining room and service building, Houses for employees,		Acts 1908, chap. 146, Acts 1909, chap. 522, Acts 1909, chap. 522,	6,000 35,000 18,000		$\begin{array}{c} 5,997 & 86 \\ 10,879 & 19 \\ 1,839 & 05 \\ \end{array}$	$\begin{array}{c} 2 \\ 24,120 \\ 16,160 \\ 95 \\ \end{array}$
Sewage disposal, Repairs and waiting stations, . Water supply, .		Acts 1909, chap. 522, Acts 1909, chap. 522, Acts 1909, chap. 522,	7,000 3,500 12,500	$\begin{array}{c} 800 & 00 \\ 2,450 & 44 \\ 7,307 & 60 \end{array}$	$\begin{array}{c} 800 & 00 \\ 2,450 & 44 \\ 7,307 & 60 \end{array}$	$\begin{array}{c} 6,200 \ 00 \\ 1,049 \ 56 \\ 5,192 \ 40 \end{array}$
			\$146,400 00	\$70,402 91	\$90,891 36	\$55,497 72
	1 R	<sup>1</sup> Reverting to Treasury of Commonwealth.	aonwealth.			
			Respect	Respectfully submitted, AT.	ted, AT.RRRT WOOD	TOOV
Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.	l with th	ie records in the office of th	ae Auditor of th	e Commonwealth		Treasurer.
				WARREN A. MERRILL,	MERRILL,	

Special Appropriations.

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# WORCESTER STATE ASYLUM.

[Dec.

Assistant Supervisor of Accounts.

#### INMATES' FUND.

Cash on hand Dec. 1, 190S, .						\$2,903 64
Received from inmates,					\$858 48	
interest, national bank, .					13 54	
interest, savings bank, .					66 00	
						938 02
						\$3,841 66
Cash refunded patients, .	•			•	\$540 83	
Interest paid State Treasurer,					$22 \ 00$	
						562 83
Balance (savings bank, \$2,200;	nat	ional	ban	k, \$	1,002.29;	
drawer, \$76.54),	•	•	•			\$3,278 83

#### WORCESTER, Dec. 13, 1909.

I hereby certify that I have made a monthly examination of all bills and pay rolls representing the current expenses of the Worcester State Asylum for the year ending Nov. 30, 1909 (\$254,594.45), and have found them properly scheduled and correctly cast.

I also find in the hands of the treasurer \$3,278.83 belonging to patients.

#### GEO. L. CLARK,

Examiner.

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# STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

## STATISTICAL TABLES.

1. — General Statistics of the Year.

	INSANE.				
	Males.	Females.	Total.		
Patients in asylum Oct. 1, 1908,	488	547	1,035		
Admitted within the year,	101	74	175		
Viz.: by transfer,	97	69	166		
from visit,	-	-	-		
from visit, nominally,	4	5	9		
Whole number of cases in year,	589	621	1,210		
Dismissed within the year,	45	37	82		
Discharged,	8	9	17		
Discharged, . Viz.: as recovered at time of leaving					
asylum,	_	1	1		
as capable of self-support,	5	3	8		
as improved.	1	3	8 4 4		
as not improved,	2	2	4		
	- 29	24	53		
Transferred,	3	2	5		
	2	_	5 2 5		
On visit Oct. 1, 1909.	3	2	5		
Patients remaining Sept. 30, 1909,	544	584	1,128		
Viz.: supported as State patients,	532	571	1,103		
as private patients,					
as reimbursing patients,	12	13	25		
Number of different persons within the year,	585	615	1,200		
Number of different persons admitted,	97	69	166		
Number of different persons dismissed,	41	32	73		
Number of different persons recovered,	-	1	1		
Number of different persons discharged ca-		1	1		
pable of self-support,	5	3	8		
Daily average number of patients,	492.62	569.95	1,062.57		
Viz.: State patients,	477.47	553.87	1,031.34		
private patients,		000.01	1,001.01		
reimbursing patients,	15.15	16.08	31.23.		
rembursing patients,	10.10	10.00	01.00.		

NUMBER OF ADMISSIONS.	CASES ADMITTED.			
NUMBER OF ADMISSIONS.	Males.	Females.	Total.	
First (to this asylum),	96	67	163	
Second (to this asylum),	1	2	3	
Third (to this asylum),	-	-	-	
Total cases,	97	69	166	
Total persons,	97	69	166	

2. — Received on First and Subsequent Admissions.

3. — Ages of Insane at First Attack and Death.

	•				Dı	ED.			
			AT 1	TIRST ATTA	ACK.	AT TIME OF DEATH.			
			Males.	Females.	Totals.	Males.	Females.	Totals.	
Congenital,			-	1	1	-	_	-	
	•	•	-	-	-	-	-	-	
From 15 to 20 years,		•	1	-	1	-	-	-	
20 to $25$ years,		•	2	2	$egin{array}{c} 4 \\ 8 \\ 4 \\ 6 \\ 8 \end{array}$		-	1	
25 to 30 years,		•	4	$\begin{vmatrix} 4\\2\\1 \end{vmatrix}$	8	1	-	1	
30 to 35 years,		•	$\begin{vmatrix} 2\\5 \end{vmatrix}$	2	4	$\begin{array}{c} 2\\ 2\\ 8\end{array}$	1	3	
35 to $40$ years,		•			6		$\begin{array}{c} 2\\ 2\end{array}$	4	
40 to $50$ years,		•	4	4	8		2	10	
50 to $60$ years,			4	2	$\begin{array}{c} 6 \\ 1 \end{array}$	11	85	19	
60 to $70$ years,			-	1	1	5	5	10	
70 to 80 years,			-	-	-	-	$\frac{4}{2}$	4	
Over 80 years, .			-	-	-	-	2	2	
Unknown,	·	·	7	7	14	-	-	-	
Totals,			29	24	53	29	24 ·	53	
Total persons,			29	24	53	29	24	53	
Mean known ages (in	yeaı	rs),	36.45	42.05	36.33	48.34	59.70	53.67	

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		ES THS.	Totala.	1 co oo H   01 44   03   03 46 03 H   H co	44
	TOTAL	DISCHARGES AND DEATHS.	Females.	1	15
h.	E	DISC	.esls M		29
Deat			Totals.	100100000000000000000000000000000000000	32
or	•	DIED.	Females.		10
arge			Males.	1010114-1110401-1-111	22
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on L		NOT IMPROVED.	Females.	111111-11-11	
ion		IME	Males.	111110111111111111	5
ondi		D.	Totals.	*****	63
ir C		IMPROVED	Females.	11114114114114114	
h the	DISCHARGED.	IMI	Malea.		-
, wit	ISCHA	OF DRT.	.slstoT	111001111-11-111-11	1
rged	Н	CAPABLE OF SELF-SUPPORT	Females.		e
ischa		CAP	Males.	11-1101111-1-1111	4
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itted		RECOVERED.	Femalea.	1 2 2 1 1 1 2 3 1 1 1 2 3 1 2 1 2 1 2 1	1
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ents			Totals.	100140400000110000	80
Pati		ADMITTED.	Females.	IWO 4741-1111-0001	41
s in		dΑ	Malea.	101111101-000011-101-	39
4. — Form of Mental Diseases in Patients admitted or discharged, with their Condition on Discharge, or Death.			FORM OF DISEASE.	A. – First admitted to any hospital when received by institution from which transferred: Alcoholic insuity, enconic, Alcoholic insuity, chronic, Chronic delusional insuity, with dementia, Chronic delusional insuity, with dementia, Constitutional interiority with dementia, Dementia, primary, paranoid form, Dementia, senfle, Dementia, senfle, Dementia, senfle, Dementia, senfle, Dementia, primary, paranoid form, General paresis, Inbeelle, with dementia, Inbeelle, with dementia, Involution psychosis, melancholia, Manic-depressive insanity, mixed form, Toxie manity,	Totals A,

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# WORCESTER STATE ASYLUM. [Dec.

		HS.	Totala.	I∺II0110001440010111111	26	20	02
led.	TOTAL	DISCHARGES AND DEATHS	Females.	1110011-1014001-1-1111	18	33	33
neluc	Ľ	DISC	Males.		∞	37	37
- Coi			Totals.	1-101100144101-1111	21	53	53
- $h$		DIED.	Females.	111-11:01401-1-111	14.	24	24
Dea			.esls M		2	29	29
e, or		D.	Totals.		-	4	4
harg		NOT IMPROVED.	Females.	111111=111111111111111	-	5	5
Disc		IMI	Malea.		1	62	63
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lition		IMPROVED	Femalea.	111001111111111111111111	67	3	ŝ
Cond	ARGED	IMI	Malea.		1	-	-
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d, w		CAP SELF	Malea.	111-1-111111111111111	-	5	5
arge		ED.	.alstoT	1111111111	-	-	
disch		RECOVERED	Females.	111111111	-	1	-
l or		REC	Malea.		1	I	1
nittea		D.	Totala.	- 111-01250016501645041	86	166	166
adn		ADMITTED	Females.		28	69	69
ients		AD	Malea.	1 - 12 22 20 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2	58	26	26
n of Mental Diseases in Patients admitted or discharged, with their Condition on Discharge, or Death Concluded.	μ	- ASVASIO AO MAOA	AND DEPENDENCE	l other admissions: Aleoholie insanty: varute, Areoholie insanty: varute, Arteniselenesis, epilepsy. Chronic delusional interiority, hysterical epilepsy Constitutional interiority, hysterical epilepsy Constitutional interiority, with dementia, Dementia, chronic, Dementia, chronic, Dementia, enile, Bpilepsy, with dementia, General paresis, General paresis, fullot, with epilepsy, Intocelle with epilepsy, into-depressive insanity, mixed form, Manic-depressive insanity, maincal form,	s B,	•	· · · · · ·
4 Form of A		0 <sup>4</sup>		B. – All other admission Alcoholic insanti Alcoholic insanti Alcoholic insanti Alterioscherosis. d Constitutional in Constitutional in Constitutional in Dementia, chron Dementia, chron Dementia, chron Dementia, armile Bpillepsy, with d Bpillepsy, with d Bpillepsy, with de Imbeelle with de	Totals B,	Aggregate cases,	Aggregate persons,

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	TOTALS.	Females.	33	1	1	33	15
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		Totals.	53	1	I	53	32
	DIED.	Females.	24	1	I	24	10
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the I	RECOVERED.	Females.		1	I	1	1
es of	RE	.səls M	1	1	I	1	l
5 D ischarges of the Insane, classified by Admission and Results, and Deaths.		NUMBER OF ADMISSION.	First,	Second,	Third,	Total cases,	Total persons first admitted to any hospital when received by insti- tution from which transferred, .

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## WORCESTER STATE ASYLUM.

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	E.	Totals.	1   1	11-111-	
	DEMENTIA, SENILE.	F'emales.	, I E I	1 1 1 1 1 1 1 1 1	t ( = 1   1   1   1   1   =
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onia.	CHRONIC DELUSIONAL INSANITY.	Females.	<u>111</u>	FELTER	11114141141111
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			Nervous system: Epilepsy, General paresis, Meningitis, Hunt	Circulatory system: — Acute cardiate dilatan Acute cardiate dilatan Arterioselerosis, gene Cerebral thrombosis Cerebral thrombosis Chronic valvular he Chronic valvular he Mittal regurdiation, Myocarditis, endocai	%d%ööööööökaaage

- Causes of Death and Forms of Mental Disease in Persons who died. g

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riosclerosis, epileptic convulsions, te entertitis, exhaustion, l paresis, hronic interstitial nephritis, hronic valvular heart disease, in, chronic interstitial nephritis, in, chronic interstitial nephritis, in arginal aluovici, mucular atrophy, arteriosclerosis, chronic hepatitis, hronic hepatitis, chronic henorribag, chronic my conrectitis and endocarditis, thereulosis, acute pulmonary congestion,	24

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GCauses of Death and Forms of Mental Disease in Ferons upto and - Concluded.         GCauses of Death and Forms of Mental Disease in Ferons upto and - Concluded.         GCauses of Death and Forms of Mental Disease in Ferons upto and - Concluded.       Manual Structures       Manual Structures <th>I</th> <th></th> <th>Totals.</th> <th>1.1.1</th> <th></th> <th></th>	I		Totals.	1.1.1		
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G. — Causes of Death and Forms of Mental Disease in Fersons who area     Marce     Encases     Marce       G. model of Death and Forms of Mental Disease in Fersons who area     Encases     Invournos     Marce       CAUSES OF DEATH.     Exemate     Exemate     Encases     Encases       CAUSES OF DEATH.     Exemate     Exemate     Encases     Encases       CAUSES OF DEATH.     Exemate     Exemate     Encases     Encases       CAUSES OF DEATH.     Exemate     Encases     Encases     Encases       CAUSES OF DEATH.     Exemate     Encases     Encases     Encases       Construction,     Encases     Encases     Encases     Encases       Encases     Encases     Encases     Encases     Encases       Encose     Encose     Encose     Encases     Encose       Encose     Encose     Encose     Encose     Encose       Encose <td< td=""><td></td><td></td><td></td><td>111</td><td></td><td>1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></td<>				111		1 1 1 1 1 1 1 1 1 1 1 1 1 1
G. — Causes of Death and Forms of Mental Disease in Persons who area       Marce       Disating         GENERAL       Disating       Involution       Marce       Disating         CAUSES OF DEATH.       GENERAL       Disating       Marce       Disating         CAUSES OF DEATH.       GENERAL       Disating       Marce       Disating       Entaner         CAUSES OF DEATH.       General       Involution       Disating       Marce       Disating       Entaner         CAUSES OF DEATH.       General       Involution       Marce       Involution       Disating       Entaner         Concluded.       Involution       Marce       Involution       Marce       Involution       Entaner         Construction       Involution       Involution       Involution       Involution       Involution       Involution         Involution       Involution       Involution       Involution       Involution		CILE.		1.1.1	11111111	
G. — Causes of Death and Forms of Menta Disease in Fersons who ared — Concluded         G. — Causes of Death and Forms of Menta Disease in Fersons who ared — Concluded         G. — Causes of Death and Forms of Menta Disease in Fersons who ared — Concluded         CAUSES OF DEATH.       GENERAL       Nevournos       Maxue.       Ferans.         CAUSES OF DEATH.       GENERAL       Nevournos       Maxue.       Ferans.       Distribute         CAUSES OF DEATH.       General is       is       Nevournos       Maxue.       Ferans.       Maxue.       Ferans.         Course in the intervention.       Main of the monothing.         fight.       fight.<		IMBE		L L J		1 1 1 1 1 1 1 1 1 1 1 1 1
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Respiratory system: Pneumonia, broncho, arteriosclerosis, epileptic convulsions,	Pneumonia, broncho, acute enteritis, exhaustion,	Pneumonia, lobar, general paresis,	Pneumonia, double lobar,	Pneumonia, hypostatic, chronic interstitial nephritis,	Pneumonia, hypostatic, chronic valvular heart disease,	Pulmonary ædema, uremia, chronie interstitial nephritis, .	Pulmonary tuberculosis,	Pulmonary tuberculosis, angina ludovici,	Pulmonary tuberculosis, muscular atrophy, arteriosclerosis,	Pulmonary tuberculosis, chronic hepatitis,	Pulmonary tuberculosis, pulmonic hemorrhage,	Pulmonary tuberculosis, chronic myocarditis and endocarditis,	Pulmonary and general tuberculosis, acute pulmonary congestion,	Totals,

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7. - Duration of Mental Disease and its Treatment in Patients who recovered or died.

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