

# REPORT OF THE AUDITOR

OF

*The Commonwealth of Massachusetts*

FOR THE

FISCAL YEAR ENDING NOVEMBER 30, 1916.

*Compliments of*

*Alonzo B. Cook,*

*Auditor of the Commonwealth.*

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# The Commonwealth of Massachusetts.

AUDITOR'S DEPARTMENT, Jan. 10, 1917.

*To the Honorable Senate and House of Representatives.*

I have the honor to present the sixty-eighth annual report of this department, it being for the fiscal year ending Nov. 30, 1916.

The principal financial transactions of the Commonwealth are summarized in the following statement:—

## RECEIPTS AND EXPENDITURES.

*Summary of Fiscal Transactions for the Year 1916, exclusive of Sinking Funds, Trust Funds, Agency Distributions and Temporary Loans.<sup>1</sup>*

### RECEIPTS.

(Including cash on hand.)

Cash on hand Dec. 1, 1915,	\$10,473,910 27
State tax,	8,000,000 00
Ordinary revenue,	12,321,230 80
Bond issues, assessments and other sources,	15,197,305 57
	<hr/>
	\$45,992,446 64
Less 1915 expenses paid in 1916,	672,160 97
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	<u>\$45,320,285 67</u>

### EXPENDITURES.

General purposes:—

From ordinary revenue including State tax (paid),	\$19,529,642 79
Incurred from ordinary revenue appropriations but not paid,	676,905 18
From bond issues, assessments and special receipts,	7,488,164 53
	<hr/>
Total, for general State purposes,	\$27,694,712 50
Metropolitan districts,	6,068,275 45
Transfers in adjustment,	2,338,972 37
Cash on hand Nov. 30, 1916:—	
Reserved for—	
Warrants of 1916 expenses,	\$676,905 18
Available balances of 1916 appropriations (estimated),	1,600,000 00
Funds held for special purposes,	5,831,918 36
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	\$8,108,823 54
Available for 1917 expenses,	1,786,406 99
	<hr/>
Total cash on hand Nov. 30, 1916,	\$9,895,230 53
Less incurred expenses of 1916,	676,905 18
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	<u>9,218,325 35</u>

\$45,320,285 67

<sup>1</sup> Transactions on account of sinking funds, trust funds, agency distributions and temporary loans will be found in Statement V.

## ESTIMATES FOR 1917.

*Estimated Expenses, etc.*

The estimates of the expenses for the fiscal year ending Nov. 30, 1917, are based upon the reports submitted to the Auditor, under the provisions of sections 3 and 4 of chapter 719 of the Acts of 1912, as amended by chapter 296 of the General Acts of 1916. A statement of appropriations for the previous fiscal year, *upon the same basis*, is furnished for comparison.

	Estimates Dec. 1, 1916, to Nov. 30, 1917.	Appropriations, 1916.
Legislative, . . . . .	\$871,520 00	\$471,820 00
EXECUTIVE AND GENERAL ADMINISTRATION.		
Executive department, . . . . .	\$144,700 00	\$143,100 00
Legal (Attorney-General), . . . . .	62,000 00	55,000 00
Financial:—		
Auditor's department, . . . . .	48,650 00	48,000 00
Supervisor of Administration, . . . . .	55,000 00	34,000 00
Treasurer and Receiver-General, . . . . .	42,800 00	42,900 00
Reimbursement for official bonds, . . . . .	3,000 00	2,500 00
Tax Commissioner, . . . . .	295,500 00	135,600 00
Controller of County Accounts, . . . . .	10,601 00	10,900 00
Public records, etc.:—		
Secretary of the Commonwealth, . . . . .	95,000 00	88,800 00
Commissioner of Public Records, . . . . .	6,375 00	6,375 00
Printing, . . . . .	140,500 00	98,000 00
Commission on Consolidating and Arranging the General Laws, . . . . .	29,500 00	12,000 00
Bureau of Statistics, . . . . .	193,528 00	193,100 00
Elections:—		
Secretary of the Commonwealth, . . . . .	50,550 00	57,450 00
Ballot Law Commission, . . . . .	1,700 00	1,700 00
Civil Service, etc.:—		
Civil Service Commission, . . . . .	100,000 00	66,200 00
Board of Retirement, . . . . .	58,500 00	47,000 00
Pensions, . . . . .	131,436 17	134,531 12
	\$1,469,340 17	\$1,177,156 12
Sergeant-at-arms, . . . . .	\$270,602 67	\$246,894 30
Judiciary, . . . . .	\$630,450 01	\$627,726 04
Land Court, . . . . .	65,175 00	64,675 00
	\$695,625 01	\$692,401 04
HEALTH.		
Department of Health, . . . . .	\$230,800 00	\$220,117 21
Department of Animal Industry, . . . . .	179,770 00	171,100 00
	\$410,570 00	\$391,217 21
REGISTRATION FOR CERTAIN PROFESSIONS AND TRADES.		
Board of Dental Examiners, . . . . .	\$4,545 00	\$4,200 00
Examiners of Electricians, . . . . .	8,120 00	7,250 00
Board of Registration in Embalming, . . . . .	2,920 53	1,500 00
Board of Registration in Medicine, . . . . .	7,625 00	7,500 00
Board of Registration of Nurses, . . . . .	5,245 00	1,500 00
Board of Registration in Optometry, . . . . .	2,250 00	1,500 00
Board of Registration in Pharmacy, . . . . .	11,195 00	11,175 00
Board of Registration in Veterinary Medicine, . . . . .	1,180 00	1,100 00
	\$43,080 53	\$35,725 00

	Estimates Dec. 1, 1916, to Nov. 30, 1917.	Appropriations, 1916.
PROMOTION OF INDUSTRIAL AND FINANCIAL WELFARE.		
Board of Conciliation and Arbitration, . . . . .	\$26,000 00	\$24,000 00
Minimum Wage Commission, . . . . .	27,360 00	17,400 00
Industrial Accident Board, . . . . .	124,930 00	111,000 00
Board of Labor and Industries, . . . . .	131,574 00	104,450 00
Homestead Commission, . . . . .	3,825 00	3,300 00
Supervisor of Loan Agencies, . . . . .	10,835 00	11,485 00
Commissioner of Weights and Measures, . . . . .	27,500 00	20,000 00
Bank Commissioner, . . . . .	139,375 00	118,612 50
Insurance Commissioner, . . . . .	97,327 81	97,374 78
Life Insurance Department of Savings Banks, . . . . .	21,000 00	18,600 00
Public Service Commission, . . . . .	203,000 00	171,750 00
	\$812,726 81	\$697,972 28
DISTRICT POLICE.		
Administration, . . . . .	\$24,509 00	\$23,100 00
Detective department, . . . . .	93,081 00	91,383 00
Building inspection department, . . . . .	42,330 00	42,229 00
Boiler inspection department, . . . . .	57,776 00	57,551 00
Board of Boiler Rules, . . . . .	2,000 00	1,600 00
	\$219,696 00	\$215,863 00
MILITARY.		
Adjutant-General's department, . . . . .	\$631,168 00	\$523,085 00
Quartermaster-General's department, . . . . .	258,785 00	263,600 00
Surgeon-General's department, . . . . .	10,145 00	9,739 00
	\$900,098 00	\$796,424 00
HARBORS AND HIGHWAYS.		
Commission on Waterways and Public Lands, . . . . .	\$412,292 00	\$293,550 00
Highway Commission, . . . . .	567,500 00	395,490 74
Metropolitan boulevards, maintenance, . . . . .	153,976 78	163,641 38
Construction of road in Mashpee, . . . . .	300 00	300 00
Wellington bridge maintenance, . . . . .	2,669 66	2,600 00
	\$1,136,738 44	\$825,582 12
AGRICULTURE, FORESTRY, FISHERIES AND GAME.		
State Board of Agriculture:—		
Administration, . . . . .	\$20,500 00	\$21,000 00
Encouragement, . . . . .	85,300 00	77,800 00
State Forester, . . . . .	270,000 00	241,000 00
State Forest Commission, . . . . .	20,500 00	20,500 00
Commission on Fisheries and Game, . . . . .	156,660 95	127,400 00
Damages by wild deer, . . . . .	12,000 00	12,000 00
	\$563,960 95	\$499,700 00
PUBLIC BUILDINGS AND IMPROVEMENTS.		
Construction and improvement of buildings, . . . . .	\$5,000 00	\$5,000 00
State Normal School at Bridgewater, . . . . .	149,000 00	88,000 00
	\$154,000 00	\$93,000 00
CHARITABLE.		
State Board of Charity, . . . . .	\$1,782,603 69	\$1,540,500 00
Commission on Mental Diseases, . . . . .	112,000 00	105,500 00
Trustees, Hospitals for Consumptives, . . . . .	223,558 35	177,821 98
	\$2,118,162 04	\$1,823,821 98
Institutions:—		
Insane and feeble-minded:—		
Boston, . . . . .	514,485 13	444,668 18
Danvers, . . . . .	427,672 54	321,607 15
Foxborough, . . . . .	153,891 04	121,374 77

	Estimates Dec. 1, 1916, to Nov. 30, 1917.	Appropriations, 1916.
<b>CHARITABLE — Concluded.</b>		
<b>Institutions — Concluded.</b>		
<b>Insane and feeble-minded — Concluded.</b>		
Gardner, . . . . .	\$222,525 91	\$175,517 20
Grafton, . . . . .	478,903 82	388,986 13
Massachusetts School for the Feeble-minded, . . . . .	365,762 80	306,161 82
Medfield, . . . . .	468,432 49	382,884 32
Monson, . . . . .	284,640 93	238,035 33
Northampton, . . . . .	212,669 53	167,864 13
Taunton, . . . . .	386,063 56	313,189 20
Westborough, . . . . .	353,496 04	280,816 35
Worcester, . . . . .	391,057 45	325,291 53
Wrentham, . . . . .	263,262 76	196,335 14
<b>Tuberculosis sanatoria: —</b>		
Lakeville, . . . . .	104,447 55	43,715 31
Massachusetts Hospital School, . . . . .	54,002 79	38,395 08
North Reading, . . . . .	68,632 71	40,980 88
Rutland, . . . . .	146,933 38	84,922 08
Westfield, . . . . .	96,287 38	59,094 86
<b>Other charitable: —</b>		
Norfolk, . . . . .	153,648 39	133,583 86
State Infirmary, . . . . .	593,409 00	513,300 00
Penikese, . . . . .	28,754 00	28,233 00
	\$7,887,141 24	\$6,428,778 30
<b>STATE AND MILITARY AID AND OTHER WAR EXPENSES.</b>		
Commissioner of State Aid and Pensions, . . . . .	\$16,760 50	\$16,050 00
State and military aid, . . . . .	734,000 00	720,000 00
Publication of war records, . . . . .	11,500 00	12,633 16
	\$762,260 50	\$748,683 16
<b>REFORMATORY AND CORRECTIONAL.</b>		
Bureau of Prisons, . . . . .	\$71,932 00	\$62,000 00
Trustees of Massachusetts Training Schools, . . . . .	70,260 00	68,115 00
<b>Institutions: —</b>		
<b>Training Schools: —</b>		
Industrial School for Boys, . . . . .	89,311 00	82,695 00
State Industrial School for Girls, . . . . .	87,410 00	81,750 00
Lyman School for Boys, . . . . .	141,793 00	126,850 00
<b>Prisons and reformatories: —</b>		
State Farm, . . . . .	447,000 00	385,750 00
State Prison, . . . . .	200,000 00	184,000 00
Prison Camp and Hospital, . . . . .	82,586 00	65,285 00
Massachusetts Reformatory, . . . . .	266,145 00	267,200 00
Reformatory for Women, . . . . .	137,344 00	101,805 76
	\$1,593,781 00	\$1,425,450 76
<b>EDUCATIONAL.</b>		
Administration, . . . . .	\$157,289 81	\$120,600 00
General education (aid), . . . . .	216,500 00	196,000 00
Teachers' Retirement Board, . . . . .	120,044 28	96,804 28
Normal education, . . . . .	557,490 85	518,841 59
Massachusetts Agricultural College, . . . . .	351,400 00	335,400 00
Nautical, . . . . .	76,000 00	68,000 00
Technical and industrial, . . . . .	458,984 52	359,000 70
Deaf, dumb and blind, . . . . .	285,912 00	239,100 00
Art Commission, . . . . .	100 00	100 00
State Library, . . . . .	32,190 00	32,510 00
Free Public Library Commission, . . . . .	19,850 00	19,850 00
	\$2,275,761 46	\$1,986,206 57
Debt, . . . . .	\$1,078,253 08	\$858,191 74
Interest, . . . . .	\$1,853,161 12	\$1,725,000 00

	Estimates Dec. 1, 1916, to Nov. 30, 1917.	Appropriations, 1916.
<b>MISCELLANEOUS.</b>		
Reimbursement of cities and towns for loss of taxes on land used for public purposes, . . . . .	\$44,500 00	\$44,000 00
Medical examiners' fees, . . . . .	800 00	800 00
Maintenance of old State House, . . . . .	1,500 00	1,500 00
Small items, . . . . .	1,000 00	1,000 00
	\$47,800 00	\$47,300 00

## Recapitulation.

	Estimates Dec. 1, 1916, to Nov. 30, 1917.	Appropriations, 1916.	Increase.
Legislative, . . . . .	\$871,520 00	\$471,820 00	\$399,700 00
Executive and general administration, . . . . .	1,469,340 17	1,177,156 12	292,184 05
Sergeant-at-arms, . . . . .	270,602 67	246,894 30	23,708 37
Judiciary, . . . . .	695,625 01	692,401 04	3,223 97
Health, . . . . .	410,570 00	391,217 21	19,352 79
Registration for certain professions and trades, . . . . .	43,080 53	35,725 00	7,355 53
Promotion of industrial and financial welfare, . . . . .	812,726 81	697,972 28	114,754 53
District Police, . . . . .	219,696 00	215,863 00	3,833 00
Military, . . . . .	900,098 00	796,424 00	103,674 00
Harbors and highways, . . . . .	1,136,738 44	825,582 12	311,156 32
Agriculture, forestry, fisheries and game, . . . . .	563,960 95	499,700 00	64,260 95
Public buildings and improvements, . . . . .	154,000 00	93,000 00	61,000 00
Charitable, . . . . .	7,887,141 24	6,428,778 30	1,458,362 94
State and military aid and other war expenses, . . . . .	762,260 50	748,683 16	13,577 34
Reformatory and correctional, . . . . .	1,593,781 00	1,425,450 76	168,330 24
Educational, . . . . .	2,275,761 46	1,986,206 57	289,554 89
Debt, . . . . .	1,078,253 08	858,191 74	220,061 34
Interest, . . . . .	1,853,161 12	1,725,000 00	128,161 12
Miscellaneous, . . . . .	47,800 00	47,300 00	500 00
Regular appropriations, . . . . .	\$23,046,116 98	\$19,363,365 60	\$3,682,751 38

## ESTIMATED ORDINARY REVENUE, 1917.

The estimates of revenue are based upon existing laws relative to taxes, licenses, fees, the income of certain institutions, etc.

Corporation taxes, net, . . . . .	\$2,100,000 00
National bank stock taxes, net, . . . . .	410,000 00
Savings bank tax (including Massachusetts Hospital Life Insurance Company), . . . . .	2,025,000 00
Collateral legacy tax (old law), . . . . .	40,000 00
Inheritance tax (new law), . . . . .	3,750,000 00
Insurance taxes and licenses, . . . . .	840,000 00
Excise tax on life insurance companies, . . . . .	600,000 00
Excise tax on foreign corporations, . . . . .	350,000 00
Stock transfer tax, . . . . .	215,000 00
Liquor licenses, . . . . .	860,000 00



Secretary's fees,		\$250,000 00
Fees from courts of probate, etc.,		25,000 00
Fees from inspection of boilers,		25,000 00
Fees, District Police, miscellaneous,		15,000 00
Fees, hunters' licenses,		60,000 00
Fees, Land Court,		20,000 00
Fees, Supervisor of Loan Agencies,		10,000 00
Fees, sundry departments,		50,000 00
Fees, Examiners of Electricians,		20,000 00
Commissioner of Weights and Measures (hawkers' and pedlers' licenses),		25,000 00
Income from sundry institutions,		60,000 00
Income from certain property,		30,000 00
Refunds, certain charitable purposes,		30,000 00
Interest on bank balances, deferred payments, etc.,		90,000 00
Sales of old materials, books, etc.,		17,000 00
Penalties,		10,000 00
Other sources,		30,000 00
Transfers,		207,708 66
		<u>\$12,164,708 66</u>
Cash on hand Dec. 1, 1916,	\$4,063,312 17	
Less warrants for 1916 expenses drawn in December,	\$676,905 18	
Less so much of available balances of 1916 appropriations as may be needed (estimated),	1,600,000 00	
	<u>2,276,905 18</u>	
		<u>1,786,406 99</u>
		<u>\$13,951,115 65</u>
Estimates calling for appropriations for 1917, as per statement,		22,996,116 98
Difference unprovided for,		<u>\$9,045,001 33</u>

The balance unprovided for is about \$1,300,000 more than the figures of one year ago. The estimates from which it is derived cover only such appropriations as existing legislation requires, and all special appropriations of the present session must be added in determining the amount of the State tax. The estimates for new buildings and improvements, as compiled in House Document No. 2, call for \$3,376,457.67. Experience of previous years indicates that the total appropriations for special purposes, including new buildings and improvements, as finally passed, will be materially less than the amount asked for in House Document No. 2. It seems probable, however, that, after making allowances for a careful scrutiny of estimates and the elimination or reduction in amount of many requests for appropriations, the requirements of the public service will result in a larger State tax than last year.

## ESTIMATED AND ACTUAL REVENUE, 1916.

SOURCES OF REVENUE.	Estimated Revenue, 1916.	Actual Revenue, 1916.
Corporation taxes, net,	\$1,700,000 00	\$1,732,698 08
National bank stock taxes, net,	425,000 00	408,915 67
Savings bank taxes,	1,950,000 00	2,025,305 13
Collateral legacy tax (old law),	30,000 00	59,568 94
Inheritance tax (new law),	4,000,000 00	4,223,843 35
Insurance taxes and licenses,	775,000 00	843,575 90
Excise tax on life insurance companies,	560,000 00	602,189 05
Excise tax on foreign corporations,	300,000 00	367,853 20
Stock transfer tax,	160,000 00	212,878 09
Liquor licenses,	860,000 00	864,385 12
Bond registration fees,	80,000 00	89,548 99
Secretary's fees,	180,000 00	274,406 25
Fees from courts of probate, etc.,	20,000 00	25,016 46
Fees from inspection of boilers,	25,000 00	28,520 00
Fees, District Police, miscellaneous,	15,000 00	14,509 00
Fees, hunters' licenses,	65,000 00	62,235 25
Fees, Land Court,	15,000 00	21,193 45
Fees, Supervisor of Loan Agencies,	10,000 00	10,300 00
Fees, Commissioner of Weights and Measures,	20,000 00	28,744 00
Fees, Examiners of Electricians,	15,000 00	21,890 00
Fees, sundry departments,	45,000 00	90,026 62
Income from sundry institutions,	55,000 00	65,934 14
Income from certain property,	30,000 00	26,683 39
Refund, certain charitable expenses,	20,000 00	35,226 43
Interest on bank balances, deferred payments, etc.,	80,000 00	116,276 54
Sales of old materials, books, etc.,	19,000 00	17,883 36
Penalties,	10,000 00	10,012 20
Other sources,	20,000 00	30,951 72
Transfers,	50,000 00	10,660 47
	<u>\$11,534,000 00</u>	<u>\$12,321,230 80</u>
Estimated revenue,		11,534,000 00
Excess of revenue over estimate,		<u>\$787,230 80</u>

The tables which follow show in summary form, somewhat extended, the revenue and expenses. Table 1 shows the revenue. Table 2 shows the actual expenses, whether paid or unpaid, at the close of the year. For purposes of comparison, figures for the past fifteen years are given.

TABLE 1. — *Ordinary Revenue and Other Receipts applicable to General Purposes.*

[For details see Part I., Statements I. and II.]

	1912.	1913.	1914.	1915.	1916.
Corporation taxes, net,	\$2,244,014 30	\$2,039,014 31	\$1,610,328 01	\$1,675,833 95	\$1,732,698 08
National bank stock taxes, net,	385,619 71	451,648 91	448,870 55	416,068 05	408,915 67
Savings bank taxes (including Massachusetts Hospital Life Insurance Company),	1,869,055 50	1,886,496 58	1,897,408 72	1,942,754 63	2,025,305 13
Collateral legacy tax,	113,307 09	71,128 26	30,628 27	78,656 77	59,568 94
Inheritance tax,	2,041,099 76	2,283,674 12	2,277,832 19	3,204,177 32	4,223,843 35
Insurance taxes and licenses,	703,229 69	746,781 49	729,331 59	784,368 62	843,575 90
Excise tax on life insurance companies,	472,440 78	503,728 45	531,806 61	559,438 01	602,189 05
Excise tax on foreign corporations,	257,581 32	260,900 82	282,241 08	378,032 62	367,853 20
Stock transfer tax,	—	—	—	162,535 98	212,878 09
Liquor licenses,	827,535 22	829,243 66	873,349 47	865,955 23	864,385 12
Bond registration fees,	—	—	—	79,643 59	89,548 99
Fees from courts of probate and sundry departments,	393,927 77	407,271 49	392,948 80	434,736 55	576,841 03
Income from sundry institutions,	53,317 89	51,725 67	55,826 50	58,343 77	65,934 14
Income from certain property,	32,286 22	39,114 42	31,967 83	21,851 89	26,683 39
Refunds, certain charitable expenses,	15,162 80	19,697 94	19,695 11	25,926 07	35,226 43
Interest on bank balances, deferred payments, etc.,	97,159 81	52,241 16	79,547 05	74,152 55	116,276 54
Sales of old materials, books, etc.,	19,376 59	23,440 07	19,788 90	19,775 69	17,883 36
Penalties,	8,732 43	10,706 50	11,640 50	10,326 00	10,012 20
Other sources,	58,316 78	3,688 85	8,907 17	2,782 72	30,951 72
Transfer from Land Registration Assurance Fund,	—	—	—	193,929 91	—
Other transfers,	—	—	—	146,463 00	10,660 47
Total ordinary revenue,	\$9,592,163 66	\$9,680,502 70	\$9,302,018 35	\$11,135,752 92	\$12,321,230 80
State tax,	6,250,000 00	7,988,720 00	8,750,000 00	9,750,000 00	8,000,000 00
Cash balance,	2,482,595 90	2,564,408 49	3,214,091 67	2,862,884 14	3,943,885 13
Total available for ordinary revenue appropriations,	\$18,324,759 56	\$20,233,631 19	\$21,277,390 02	\$23,748,637 06	\$24,265,115 93

¹ Account of 1913 State tax received in 1914: Burlington, \$1,360; Stoneham, \$9,020.

² \$11,280 State tax for 1913 unpaid Nov. 30, 1913.

AUDITOR'S REPORT.

[Jan.

TABLE 2. — *Expenditures for General Purposes.*

[For details see Part I., Statements III. and IV.]

	1902.	1903.	1904.	1905.	1906.¹
Legislative department,	\$349,277 59	\$373,173 78	\$358,725 21	\$356,565 56	\$379,265 24
Legislative investigations,	23,716 32	21,047 35	11,788 33	7,439 82	21,669 55
Executive and general administration: —					
Executive,	42,385 57	41,086 55	42,165 13	35,553 81	37,620 26
Legal,	37,718 56	36,672 66	37,005 15	41,633 86	32,217 74
Financial,	96,154 87	98,169 08	97,323 94	100,307 44	93,368 88
Public records, certain printing and statistics,	267,461 18	179,288 05	185,457 04	471,213 69	295,334 87
Elections,	14,434 50	14,657 12	17,917 94	14,978 14	15,872 75
Civil service and pensions,	25,596 61	25,611 19	25,685 01	25,792 50	29,128 51
Sergeant-at-arms' department: —					
Maintenance of State House,	117,640 52	126,252 12	117,673 80	115,976 91	116,526 13
Judiciary,	399,907 60	417,654 46	435,007 80	448,898 21	421,316 10
Health,	96,803 05	237,216 51	181,575 66	195,612 01	174,385 12
Promotion of industrial and financial welfare,	77,815 31	90,343 02	89,669 99	95,339 34	100,840 32
District Police,	134,030 35	128,955 62	132,601 59	140,449 20	132,312 22
Military,	328,456 28	351,658 72	365,954 30	307,027 32	367,043 40
Harbors and highways,	185,408 60	218,766 68	313,461 65	272,628 56	305,233 52
Agriculture, forestry, fisheries and game,	121,284 24	85,222 21	96,576 06	155,596 57	242,588 23
Public buildings,	361,188 06	307,335 51	90,022 05	194,827 76	198,838 31
Charitable,	1,300,717 46	1,354,905 34	2,406,934 92	2,608,604 90	2,844,319 22
State and military aid, etc., and expenses resulting from wars,	887,057 74	915,568 40	933,090 55	933,250 02	930,585 40
Reformatory and correctional,	764,247 26	795,634 61	836,385 30	858,929 67	808,808 49
Educational,	721,536 60	967,247 44	843,448 17	888,719 43	848,641 20
Debt,	201,779 48	242,468 07	100,000 00	395,932 00	430,476 78
Interest,	793,264 13	753,827 67	772,918 32	891,421 28	914,379 67
Miscellaneous,	102,451 37	48,086 02	128,215 42	63,017 88	50,718 63
Totals,	\$7,450,333 25	\$7,830,848 18	\$8,619,603 33	\$9,619,715 88	\$9,791,490 54

¹ Eleven months.

1917.]

PUBLIC DOCUMENT — No. 6.

TABLE 2. — Expenditures for General Purposes — Continued.

	1907.	1908.	1909.	1910.	1911.
Legislative department,	\$394,571 73	\$356,612 33	\$343,876 33	\$367,954 24	\$388,665 89
Legislative investigations,	11,539 74	26,832 37	11,476 18	33,859 10	39,226 58
Executive and general administration: —					
Executive,	44,181 28	38,681 26	32,850 73	35,690 08	58,235 73
Legal,	41,058 02	46,074 17	31,403 86	41,295 33	34,956 90
Financial,	107,619 16	128,644 42	148,231 59	154,896 45	158,743 94
Public records, certain printing and statistics,	275,262 91	276,553 61	268,106 02	284,467 52	276,071 66
Elections,	15,916 40	15,704 44	14,037 73	16,664 60	47,095 24
Civil service and pensions,	41,649 70	61,952 23	74,384 71	86,060 15	101,119 53
Sergeant-at-arms' department: —					
Maintenance of State House,	129,492 57	131,310 20	145,702 89	143,371 74	147,860 21
Judiciary,	479,012 40	500,467 88	518,020 91	522,668 99	558,884 51
Health,	226,516 76	250,380 21	245,931 10	282,676 78	276,524 18
Promotion of industrial and financial welfare,	129,731 64	152,836 05	163,702 47	174,409 52	199,991 00
District Police,	157,568 16	181,416 86	177,242 73	181,624 11	184,425 85
Military,	469,165 03	976,542 70 <sup>1</sup>	472,272 44	485,581 91	500,973 41
Harbors and highways,	404,670 99	451,903 92	629,285 88	607,964 33	580,277 27
Agriculture, forestry, fisheries and game,	421,167 55	532,265 99	525,807 74	451,374 73	507,307 04
Public buildings,	198,482 54	267,891 83	417,390 16	462,167 08	658,981 14
Charitable,	2,944,000 31	3,210,196 06	3,678,484 15	4,079,222 16	4,289,774 62
State and military aid, and expenses resulting from wars,	959,373 10	1,109,926 62	1,023,324 62	1,046,341 02	966,231 30
Reformatory and correctional,	906,921 54	972,353 34	1,068,038 41	1,116,017 01	1,146,065 12
Educational,	959,951 80	1,026,024 55	1,113,253 96	1,257,310 14	1,300,838 63
Debt,	370,039 34	358,756 00	430,945 00	404,314 24	511,490 54
Interest,	949,503 91	1,089,094 86	1,119,431 99	1,200,186 34	1,250,064 39
Miscellaneous,	121,136 28	82,251 51	86,448 75	85,044 72	86,044 93
Totals,	\$10,758,532 86	\$12,244,673 41	\$12,739,650 35	\$13,521,162 29	\$14,269,849 61

<sup>1</sup> Increase from purchase of armories.

TABLE 2. — Expenditures for General Purposes — Concluded.

	1912.	1913.	1914.	1915.	1916.
Legislative department,	\$474,753 33	\$461,088 04	\$469,328 86	\$453,989 77	\$476,535 30
Legislative investigations,	40,599 77	60,371 48	74,978 35	56,140 69	62,836 75
Executive and general administration: —					
Executive,	56,594 76	44,122 69	44,220 00	84,966 78	48,037 49
Legal,	44,738 19	67,627 20	79,909 04	54,061 30	48,310 82
Financial,	170,044 76	205,961 26	222,102 91	232,517 06	250,629 09
Public records, certain printing and statistics,	289,251 95	274,145 29	300,847 65	487,948 11	433,975 73
Elections,	57,730 10	58,316 03	53,186 17	49,367 38	69,350 22
Civil service and pensions,	121,766 54	156,545 79	205,821 70	227,355 94	235,136 60
Sergeant-at-arms' department: —					
Maintenance of State House,	162,920 83	190,861 58	182,874 12	169,319 31	237,436 46
Judiciary,	634,565 85	641,423 22	648,997 74	680,383 08	688,112 63
Health,	319,342 44	342,863 41	362,100 54	501,187 89	374,287 16
Registration of certain professions and trades,	—	—	—	—	30,188 68
Promotion of industrial and financial welfare,	259,416 91	426,503 44	733,485 09	799,908 99	674,115 77
District police,	200,296 11	218,246 48	209,250 18	216,849 36	213,315 81
Military,	707,796 45	572,611 75	586,655 33	575,833 41	707,024 59
Harbors and highways,	601,586 41	752,406 76	815,828 77	833,630 93	876,958 97
Agriculture, forestry, fisheries and game,	556,980 45	619,222 14	612,567 47	611,009 83	538,423 68
Public buildings and improvements,	1,038,900 15	1,170,260 46	1,368,640 01	1,164,693 85	821,818 50
Charitable,	4,587,799 88	5,046,863 37	5,645,467 95	6,296,210 70	6,442,007 93
State and military aid, and expenses resulting from wars,	916,795 68	895,710 76	837,980 31	824,621 53	834,057 40
Reformatory and correctional,	1,211,425 64	1,235,166 70	981,105 63	1,275,583 64	1,408,247 56
Educational,	1,493,355 00	1,634,131 55	1,818,275 02	1,990,219 63	2,118,871 66
Debt,	441,088 82	638,275 45	683,359 95	746,109 24	858,191 74
Interest,	1,245,916 33	1,305,860 70	1,501,011 21	1,593,599 81	1,695,508 36
Miscellaneous,	129,107 49	33,628 72	18,976 80	28,965 89	63,169 07
Totals,	\$15,762,773 84	\$17,052,214 33	\$18,456,970 80	\$19,954,474 12	\$20,208,103 53

## STATE AID AND BOUNTIES.

*Total Payments of State Aid.*

The total payments by the Commonwealth for State and military aid and burial of indigent soldiers and sailors, including appropriations made by the General Court toward maintenance of the Soldiers' Home in Massachusetts from 1861 to the close of 1915, were		\$40,022,439 32
State and military aid and burial of soldiers and sailors on account of 1915, paid in 1916,	699,550 31	
Special laws, 1916,	862 00	
Soldiers' Home, 1916,	104,065 00	
Total to Nov. 30, 1916,		\$40,826,916 63

*Bounties and Gratuities.*

Total payments of bounties on account of soldiers in the civil war to Dec. 1, 1915,	\$17,872,859 82	
Gratuities (Acts 1912, chapter 702; 1913, chapters 105 and 443),	567,375 00	
Total to Nov. 30, 1916,		\$18,440,234 82
		\$59,267,151 45

## FUNDED DEBT.

*Direct Debt.*

Total direct debt Dec. 1, 1915,	\$49,682,458 32	
Increased during the year by the issue of bonds and notes to the amount of	3,874,875 00	
	\$53,557,333 32	
Decreased by the payment of: —		
Abolition of grade crossings bonds,	\$34,000 00	
Armory bonds,	67,500 00	
Concord Avenue highway note,	14,250 00	
Development of the port of Boston bonds,	175,000 00	
Harbor improvement bonds,	30,000 00	
Metropolitan parks, series two, bonds,	7,443 75	
Metropolitan parks, series two, note,	3,187 50	
Prisons and hospitals bonds,	94,500 00	
Prisons and hospitals note,	10,000 00	
Soldiers' gratuity bonds,	49,000 00	
State highway bonds,	359,000 00	
State House construction bonds,	695,000 00	
State House construction notes,	1,000,000 00	
Suffolk County Court House bonds,	10,333 34	
Western Massachusetts highway bonds,	36,000 00	
Western Massachusetts highway notes,	1,000,000 00	
	3,585,214 59	
Amount of sinking funds Dec. 1, 1915,	\$19,278,073 36	
Increase during the year,	741,788 61	
	\$20,019,861 97	
Less bonds paid,	625,000 00	
	19,394,861 97	
Net direct debt Nov. 30, 1916,		\$30,577,256 76

being an increase for the year of \$172,871.80.

## Contingent Debt.

Total contingent debt Dec. 1, 1915,	\$76,110,953 68
Increased during the year by the issue of bonds and notes to the amount of	1,200,625 00
	\$77,311,578 68

## Decreased by the payment of: —

Charles River Basin bonds,	\$9,000 00	
Concord Avenue highway note,	23,750 00	
Granite Avenue bridge notes,	70,000 00	
Metropolitan parks bonds,	9,250 00	
Metropolitan parks note,	10,000 00	
Metropolitan parks, series two, bonds,	14,056 25	
Metropolitan parks, series two, note,	11,812 50	
Metropolitan sewerage, north system, bonds,	19,500 00	
Metropolitan sewerage, south system, bonds,	10,000 00	
Metropolitan sewerage, south system, notes,	50,000 00	
Metropolitan water bonds,	30,000 00	
North Beacon Street bridge notes,	75,000 00	
Suffolk County Court House bonds,	20,666 66	
	353,035 41	
	\$76,958,543 27	

Amount of sinking funds Dec. 1, 1915,	\$20,472,646 63	
Increase during the year,	1,396,471 29	
	21,869,117 92	

Net contingent debt Nov. 30, 1916,	\$55,089,425 35
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being a decrease for the year of \$548,881.70.

The direct debt is incurred for State purposes, and is payable by the Commonwealth at large. The contingent debt is a loan of the credit of the Commonwealth to certain metropolitan districts for water, sewerage and parks, and the requirements for interest, sinking funds and serial bonds are annually assessed upon said districts. The contingent debt also includes the loan on account of the North Beacon Street bridge and the city of Boston's proportion (two-thirds) of the loan on account of the Suffolk County Court House.

*Increase in Direct Debt.*

This debt was increased by the issue of serial bonds and notes of the following loans: —

Armory,	\$145,500 00
Concord Avenue highway,	10,500 00
Harbor improvement,	350,000 00
Massachusetts military service,	300,000 00
Metropolitan parks, series two,	216,875 00
Prisons and hospitals,	10,000 00
State highway,	642,000 00
State House construction,	1,200,000 00
Western Massachusetts highway,	1,000,000 00
	\$3,874,875 00

*Increase in Direct Debt Sinking Funds.*

These funds were increased from the following sources: —

<i>Income from Investments.</i>	
Abolition of grade crossings, . . . . .	\$218,222 03
Armory, . . . . .	81,148 46
Harbor improvement, . . . . .	8,066 37
Massachusetts war, . . . . .	25,958 63
Medfield Insane Asylum, . . . . .	32,025 78
Metropolitan parks, series two, . . . . .	29,540 08
Prisons and hospitals, . . . . .	125,505 05
State highway, . . . . .	127,193 58
State House, . . . . .	57,231 67
	<hr/>
	\$704,891 65
<i>Street Railway Tax.</i>	
Metropolitan parks, series two, . . . . .	4,849 35
<i>Miscellaneous.</i>	
Transfers from unexpended balances: —	
Harbor improvement loan, . . . . .	\$18,156 42
Prisons and hospitals loan, . . . . .	19
	<hr/>
	18,156 61
<i>Revenue Appropriation.</i>	
Metropolitan parks, series two, . . . . .	13,891 00
	<hr/>
	\$741,788 61

*Increase in Contingent Debt.*

This debt was increased by the issue of serial bonds and notes of the following loans: —

Charles River Basin, . . . . .	\$35,000 00
Concord Avenue highway, . . . . .	17,500 00
Metropolitan parks, . . . . .	104,000 00
Metropolitan parks, series two, . . . . .	418,125 00
Metropolitan sewerage, north system, . . . . .	70,000 00
Metropolitan sewerage, south system, . . . . .	355,000 00
Metropolitan water, . . . . .	66,000 00
North Beacon Street bridge, . . . . .	135,000 00
	<hr/>
	\$1,200,625 00

*Increase in Contingent Debt Sinking Funds.*

These funds were increased from the following sources: —

<i>Income from Investments.</i>	
Charles River Basin, . . . . .	\$30,471 09
Metropolitan parks, . . . . .	115,114 58
Metropolitan parks, series two, . . . . .	29,540 07
Metropolitan sewerage, north system, . . . . .	78,235 37
Metropolitan sewerage, south system, . . . . .	44,652 31
Metropolitan water, . . . . .	466,687 47
	<hr/>
	\$764,700 89

*Assessments on Cities and Towns.*

Charles River Basin, . . . . .	\$10,134 06
Metropolitan parks, . . . . .	69,880 01
Metropolitan parks, series two, . . . . .	13,891 00
Metropolitan sewerage, north system, . . . . .	110,165 52
Metropolitan sewerage, south system, . . . . .	80,429 61
Metropolitan water, . . . . .	261,423 18
	<hr/>
	\$545,923 38

*Rents, Land Products, etc.*

Metropolitan sewerage, north system, . . . . .	\$145 00
Metropolitan sewerage, south system, . . . . .	50 00
Metropolitan water, . . . . .	48,843 46
	<hr/>
	49,038 46

*Street Railway Tax.*

Metropolitan parks, series two, . . . . .	4,849 36
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*Boston Embankment.*

Charles River Basin: —	
Assessments, . . . . .	\$5,782 74
Interest, . . . . .	26,176 46
	<hr/>
	31,959 20
	<hr/>
	\$1,396,471 29

## LOANS, SINKING FUNDS AND ANNUAL INTEREST.

*Direct Debt.*

	Latest Matur- ity.	Amount.	Sinking Fund.	Annual Interest.
Abolition of grade crossings, . . . . .	1939	\$10,300,000 00	\$7,438,140 04	\$377,705 00
Abolition of grade crossings, serial bonds, . . . . .	1941	813,000 00	—	
Armory, . . . . .	1939	3,197,500 00	1,956,581 50	166,152 50
Armory, serial bonds, . . . . .	1944	1,634,500 00	—	
Development of the port of Bos- ton, serial bonds, . . . . .	1954	6,425,000 00	—	257,000 00
Harbor improvement, . . . . .	1937	500,000 00	293,100 22	
Harbor improvement, serial bonds, . . . . .	1930	720,000 00	—	45,200 00
Massachusetts war, . . . . .	1928	1,240,000 00	884,804 73	
Massachusetts Hospital for Con- sumptives, . . . . .	1939	765,500 00	—	25,930 00
Massachusetts Hospital for Epi- leptics, . . . . .	1939	666,450 00	3,026,069 58	
Prisons and hospitals, . . . . .	1939	5,906,500 00	—	21,973 50
Prisons and hospitals, serial bonds, . . . . .	1940	413,500 00	—	
Massachusetts military service notes, . . . . .	1919	300,000 00	—	223,497 50
Medfield Insane Asylum, . . . . .	1936	1,169,800 00	772,178 15	
Metropolitan parks, series two, . . . . .	1949	2,567,500 00	840,208 05	108,478 38
Metropolitan parks, series two, serial bonds, . . . . .	1956	526,368 75	—	
Soldiers' gratuity, serial bonds, . . . . .	1922	288,000 00	—	11,520 00
State highway, . . . . .	1932	4,525,000 00	3,066,781 80	
State highway, serial bonds, . . . . .	1940	4,851,500 00	—	334,936 25



*Direct Debt — Concluded.*

	Latest Maturity.	Amount.	Sinking Fund.	Annual Interest.
State House, . . . . .	1918	\$935,000 00	\$1,116,997 90	\$31,050 00
State House construction, . . . . .	1918	177,000 00		
State House construction, serial bonds, . . . . .	1939	1,365,000 00	—	57,975 00
Suffolk County Court House, serial bonds, . . . . .	1939	220,999 98	—	7,665 00
Western Massachusetts highway bonds, . . . . .	1929	464,000 00	—	18,560 00
Totals, . . . . .		\$49,972,118 73	\$19,394,861 97	\$1,776,286 13
Less sinking funds, . . . . .		19,394,861 97		
Net direct debt, . . . . .		\$30,577,256 76		

*Contingent Debt.*

Charles River Basin, . . . . .	1950	\$4,125,000 00	\$885,231 34	\$154,090 00
Charles River Basin, serial bonds, . . . . .	1954	333,000 00	—	
Metropolitan parks, serial bonds, . . . . .	1956	236,000 00	—	310,066 88
Metropolitan parks, . . . . .	1949	8,785,000 00	3,270,821 90	21,000 00
Metropolitan parks, Nantasket, . . . . .	1941	700,000 00		
Metropolitan parks, series two, . . . . .	1949	2,567,500 00	840,208 05	118,546 62
Metropolitan parks, series two, serial bonds, . . . . .	1956	787,131 25	—	
Metropolitan sewerage, north system, . . . . .	1949	6,563,000 00	2,284,055 75	225,451 68
Metropolitan sewerage, north system, serial bonds, . . . . .	1952	592,000 00	—	
Metropolitan sewerage, south system, . . . . .	1946	8,877,912 00	1,320,601 52	312,577 36
Metropolitan sewerage, south system, serial bonds, . . . . .	1952	345,000 00	—	
Metropolitan water, . . . . .	1950	41,308,000 00	13,268,199 36	1,436,375 00
Metropolitan water, serial bonds, . . . . .	1956	1,132,000 00	—	
North Beacon Street bridge note, . . . . .	1917	75,000 00	—	1,131 25
Suffolk County Court House, serial bonds, . . . . .	1939	442,000 02	—	15,330 00
Totals, . . . . .		\$76,958,543 27	\$21,869,117 92	\$2,594,568 79
Less sinking funds, . . . . .		21,869,117 92		
Net contingent debt, . . . . .		\$55,089,425 35		

*Net Direct Debt for Five Years.*

Nov. 30, 1912, . . . . .	\$20,790,009 81
Nov. 30, 1913, . . . . .	24,280,454 17
Nov. 30, 1914, . . . . .	28,259,906 13
Nov. 30, 1915, . . . . .	30,404,384 96
Nov. 30, 1916, . . . . .	30,577,256 76

*ABOLITION OF GRADE CROSSINGS LOAN.*

There were no bonds issued during the year 1916 for the further abolition of grade crossings, the total issue to date being \$11,300,000. Under the general laws there have been authorized \$10,000,000, and under special laws there have been authorized and issued for Tremont Street, Boston, Hyde Park and Dedham, \$3,000,000, and for Congress Street, Boston, \$300,000, making a total of \$13,300,000 authorized.

As provided in section 39 of Part I. of chapter 463 of the Acts of 1906, advances have been made for cities and towns, which have not as yet been returned, to the amount of \$234,598.04.

Section 42 of Part I. of chapter 463 of the Acts of 1906 provides that "The amount so to be paid by the commonwealth in any one year shall not exceed five hundred thousand dollars, but if in any one year the expenditure by the commonwealth shall not amount to five hundred thousand dollars, the unexpended remainder thereof shall be added to the five hundred thousand dollars allowed to be paid in any subsequent year."

On Dec. 1, 1915, there was a balance in the fund of . . . . .	\$472,869 00	
Received from cities and towns during the year, . . . . .	88,084 87	
Transferred from Boston, Hyde Park and Dedham loan fund, . . . . .	25,852 13	
		\$586,806 00
Commonwealth's proportion of expenditures, . . . . .	\$48,344 25	
Advances for cities and towns, . . . . .	24,038 15	
Total payments during year, . . . . .		72,382 40
Balance Nov. 30, 1916, . . . . .		\$514,423 60

*ARMORY LOAN.*

Under authority of section 133 of chapter 604 of the Acts of 1908, as amended by chapter 323 of the Acts of 1909, chapter 665 of the Acts of 1912 and chapter 812 of the Acts of 1913, bonds to the amount of \$145,500, bearing interest at 4 per cent., have been issued during the year, as follows: \$65,000 for the armory at Woburn; \$73,500 for the armory at Taunton; \$3,500 for the Commonwealth Armory, Boston; \$3,000 for the armory at Lawrence; and \$500 for the armory at Adams. The total amount of bonds issued to Nov. 30, 1916, for armory purposes is \$5,083,000. Of this amount \$251,000 have been redeemed, leaving outstanding bonds to the amount of \$4,832,000.

*CHARLES RIVER BASIN LOAN.*

There have been issued during the year bonds to the amount of \$35,000, bearing interest at 4 per cent., under the provisions of chapter 188 of the General Acts of 1915, for the purpose of completing the improvements on the southerly bank of Charles River Basin between North Beacon Street in Boston and Galen Street in Watertown, and, in connection therewith, to construct a driveway connection from Brook Street in Brighton to Charlesbank Road in Newton.

The total amount of Charles River Basin loan bonds issued to date is \$4,500,000, of which \$42,000 have been redeemed, leaving bonds to the amount of \$4,458,000 outstanding.

#### CONCORD AVENUE HIGHWAY LOAN.

Chapter 196 of the General Acts of 1915 authorized and directed the Massachusetts Highway Commission to construct and improve the highway known as Concord Avenue in the city of Cambridge, from Walden Street to the Belmont line. The Treasurer and Receiver-General was authorized to borrow such sums, not exceeding \$38,000, as were required for the cost and expense incurred. Under this authority there was borrowed in 1915 the sum of \$10,000 and in 1916 the sum of \$28,000 on 4 per cent. demand notes. The construction and improvements were completed during the present year, and the cost and expense, including interest, was apportioned and assessed as follows: 37½ per cent. upon the Commonwealth, 25 per cent. upon the county of Middlesex and 37½ per cent. upon the city of Cambridge.

#### GRANITE AVENUE BRIDGE LOAN.

All the work in connection with the construction of this bridge has been completed and all accounts settled, with the exception of an award to Frank B. Newton for damages to his property. Mr. Newton refused to accept the award and petitioned the Superior Court for assessment of damages by a jury. As this case may not be settled for some time, a preliminary assessment upon the parties interested of the expenses already paid was made during the year, thus saving them a considerable sum in interest charges.

#### HARBOR IMPROVEMENT LOAN.

There have been issued during the year bonds to the amount of \$350,000, bearing interest at 4 per cent., as authorized by chapter 279 of the General Acts of 1915, for the expenses of the construction of piers and such other work as may be necessary and advisable for the improvement of the harbor and terminal facilities of the city of Fall River.

There have been issued to date for harbor improvements bonds to the amount of \$1,250,000, of which \$30,000 have been redeemed, leaving outstanding bonds to the amount of \$1,220,000.

#### HINGHAM HIGHWAY LOAN.

The Massachusetts Highway Commission is authorized and directed by chapter 213 of the General Acts of 1916 to construct and maintain a State highway in the town of Hingham, and it is authorized to purchase or take such land and buildings as may be deemed necessary in the laying out and construction of said highway. The cost and expense incurred under authority of this act shall, in the first instance, be borne by the Commonwealth, and the Treasurer and Receiver-General is authorized and directed to borrow upon the credit of the Commonwealth such sums of money as may be required therefor to an amount

not exceeding \$200,000. Upon the completion of the highway the actual cost, including the cost of construction, land damages and interest on money borrowed, shall be apportioned as follows: 37½ per cent. to the Commonwealth, 25 per cent. to the county of Plymouth and 37½ per cent. to the town of Hingham. No money has been borrowed under this act.

#### MASSACHUSETTS MILITARY SERVICE LOAN.

At the extra session of the Legislature an act was passed, chapter 310 of the General Acts, providing that there should be paid to each noncommissioned officer and soldier who had been, or who was thereafter, mustered into the military service of the United States as a part of the quota of this Commonwealth for service on the Mexican border, the sum of \$10 per month. Said amount was to be paid monthly, and was to date from the muster-in to the United States service and to continue until Jan. 15, 1917, unless the service was sooner terminated.

For the purpose of meeting the expenses authorized by this act an issue of bonds or notes to an amount not exceeding \$500,000, for a term not exceeding five years, was authorized. There were issued during the year serial notes to the amount of \$300,000, bearing interest at 3½ per cent.

#### METROPOLITAN PARKS LOAN.

Chapter 265 of the General Acts of 1916 authorizes an expenditure of \$5,000 in addition to the sums already authorized by chapter 655 of the Acts of 1911, and acts in amendment thereof or in addition thereto, for the protection of the public health in the valley of the Neponset River. In addition to the above, chapter 146 of the Resolves of 1916 provides an amount of \$3,000 for the same purpose and for investigations as to the control and regulation of the height of water in said river at the Mattapan Mills dam. These make a total of \$211,000 authorized for this purpose, one-half of which (\$105,500) is to be provided for by the issue of bonds. There were issued during the year bonds to the amount of \$4,000, bearing interest at 4 per cent., which makes the total amount issued for this purpose \$101,500.

There were also issued during the year bonds to the amount of \$100,000, bearing interest at 4 per cent., as follows: \$50,000 as authorized by chapter 368 of the Special Acts of 1915 for the reconstruction of a bridge over the Charles River between the city of Newton and the town of Weston, and \$50,000 as authorized by chapter 4 of the General Acts of 1915 to provide immediate work on the parks and river basins.

The total amount of metropolitan parks loan bonds issued to date is \$9,751,500, of which \$30,500 have been redeemed, leaving bonds outstanding to the amount of \$9,721,000.

#### METROPOLITAN PARKS LOAN, SERIES TWO (PARKWAYS AND BOULEVARDS).

The Metropolitan Park Commission is authorized by chapter 186 of the General Acts of 1916 to spend the sum of \$20,000 in order to improve for parkway purposes the land given to the Commonwealth by the town of Arlington under

authority of chapter 188 of the Special Acts of 1915. A bond issue to the amount of \$20,000, for a term not exceeding forty years, is authorized to meet the expenditures under this act, none of which has been issued.

Chapter 235 of the General Acts of 1916 authorizes and directs the Metropolitan Park Commission to lay out and construct a certain parkway or boulevard in the town of Braintree, and to take or acquire by purchase or otherwise such land as may be necessary therefor, and to expend for the same a sum not exceeding \$10,000. An issue of bonds to the above amount is authorized to meet the expenditures under this act, none of which has been issued.

In order to complete the construction of so much of the Dedham Parkway as has been acquired by the Metropolitan Park Commission, in accordance with chapter 699 of the Acts of 1912, an expenditure of \$10,000 is authorized. To meet the expenses incurred the Treasurer and Receiver-General is authorized to issue bonds to the amount of \$10,000, for a period not exceeding forty years. No bonds have been issued for this purpose.

There were issued during the year bonds to the amount of \$635,000, bearing interest at 4 per cent., as follows: \$200,000 for the acquisition of land for and the construction of certain parkways and boulevards, as authorized by chapter 699 of the Acts of 1912; \$35,000 for the construction and extension of the Alewife Brook Parkway, as authorized by chapter 243 of the General Acts of 1915; \$50,000, as authorized by chapter 5 of the General Acts of 1915, to provide immediate work on the parkways and boulevards under the care of the Metropolitan Park Commission; and \$350,000 for the construction of a new bridge over the Neponset River between the cities of Boston and Quincy, as authorized by chapter 300 of the General Acts of 1915, \$15,000 of which was to pay for a note issued in 1915 in anticipation of the bond issue.

The total amount of metropolitan parks loan, series two, bonds issued to date is \$6,485,000, of which \$36,500 have been redeemed, leaving a balance outstanding of \$6,448,500.

#### METROPOLITAN SEWERAGE LOAN.

The Metropolitan Water and Sewerage Board is authorized by chapter 93 of the General Acts of 1916 to install a pumping engine and two boilers and the necessary connections at the Ward Street pumping station, Boston. To meet the expenses incurred under the provisions of this act the Treasurer and Receiver-General is directed to issue from time to time metropolitan sewerage bonds to an amount not exceeding \$40,000, none of which has yet been issued.

Chapter 159 of the General Acts of 1916 directs the Metropolitan Water and Sewerage Board to provide an outlet at the Reading town line in or near Brook Street for the sewage of said town, and to construct a main trunk sewer or sewers through such parts of the towns of Wakefield and Stoneham and the city of Woburn from the Reading town line to such point in the north metropolitan system as said Board may determine to be necessary in order to connect with a main trunk sewer in the Mystic valley. To meet the expenses incurred under the provisions of this act a bond issue to an amount not exceeding \$285,000, for a term not exceeding forty years, is authorized, none of which has been issued.

There have been issued during the year bonds to the amount of \$425,000, bearing interest at 4 per cent., for the following purposes: \$350,000 for the expenses of including the town of Wellesley within the south metropolitan sewerage district, as authorized by chapter 343 of the Acts of 1914; \$70,000 for the lowering of the siphon of the metropolitan sewer which crosses the Malden River, as authorized by chapter 215 of the General Acts of 1915; and \$5,000 for an additional outlet for the south metropolitan sewer at Nut Island, Quincy, as authorized by chapter 210 of the General Acts of 1915.

The total amount of metropolitan sewerage loan bonds issued to date is \$16,436,412, of which \$58,500 have been redeemed, leaving a balance outstanding of \$16,377,912, as follows: —

	Issued.	Paid.	Outstanding.
North system, . . . . .	\$7,203,500	\$48,500	\$7,155,000
South system, . . . . .	9,232,912	10,000	9,222,912
	\$16,436,412	\$58,500	\$16,377,912

#### METROPOLITAN WATER LOAN.

The Metropolitan Water and Sewerage Board is authorized by chapter 172 of the General Acts of 1916 to construct a line for the transmission of electricity between the power station at the Wachusett Dam in Clinton and the power station at the Sudbury Dam in Southborough; to relocate and connect meters for the measuring of water supplied through the low service to the metropolitan water district; to construct a 12-inch pipe line in Poplar Street, West Roxbury, and under the Neponset River; and to install a new pumping engine at the Arlington pumping station. To meet the expenses incurred under the provisions of this act bonds to an amount not exceeding \$150,000 may be issued, to be taken from the unexpended balance of \$196,000 appropriated by chapter 694 of the Acts of 1912. No bonds have yet been issued for this purpose.

There were issued during the year bonds to the amount of \$66,000, bearing interest at 4 per cent., for certain improvements authorized by chapter 601 of the Acts of 1914.

The total amount of metropolitan water loan bonds issued to date is \$42,602,000, of which \$72,000 have been redeemed, leaving a balance outstanding of \$42,530,000.

#### NORTH BEACON STREET BRIDGE LOAN.

There was issued on May 25, 1916, a note due Aug. 25, 1916, for \$60,000 for the construction of a bridge over the Charles River between the city of Boston and the town of Watertown at North Beacon Street, as authorized by chapter 780 of the Acts of 1914. This note, together with a demand note for \$10,000 issued in 1914, was paid on August 25, and another note for \$75,000, bearing interest at 3 per cent., payable Feb. 26, 1917, was issued.

## PRISONS AND HOSPITALS LOAN.

There have been issued during the year bonds to the amount of \$10,000 to pay for demand note issued in 1915 for the construction of an asylum at the Grafton Colony, as authorized by chapter 679 of the Acts of 1912, as amended by chapter 3 of the Acts of 1913 and chapter 130 of the Resolves of 1914.

The total issue of bonds for prisons and hospitals to Nov. 30, 1916, is \$9,576,250, as follows:—

Prisons and hospitals loan:—	
Boston State Hospital, . . . . .	\$1,958,000 00
Danvers State Hospital, . . . . .	232,400 00
Foxborough State Hospital, . . . . .	130,000 00
Gardner State Colony, . . . . .	462,550 00
Grafton State Hospital, . . . . .	410,000 00
Industrial School for Boys, . . . . .	126,000 00
Lyman School for Boys, . . . . .	47,000 00
Massachusetts Hospital School, . . . . .	300,000 00
Massachusetts School for the Feeble-minded, . . . . .	405,000 00
Massachusetts Reformatory, . . . . .	22,700 00
Northampton State Hospital, . . . . .	179,000 00
Reformatory for Women, . . . . .	9,000 00
State Farm, . . . . .	478,500 00
State Industrial School for Girls, . . . . .	31,350 00
State Infirmary, . . . . .	341,300 00
Taunton State Hospital, . . . . .	245,600 00
Westborough State Hospital, . . . . .	449,300 00
Worcester State Asylum, . . . . .	443,000 00
Worcester State Hospital, . . . . .	158,000 00
Wrentham State School, . . . . .	245,800 00
	<hr/>
	\$6,674,500 00
Massachusetts Hospitals for Consumptives loan, . . . . .	765,500 00
Massachusetts Hospital for Epileptics loan, . . . . .	666,450 00
Medfield Insane Asylum loan, . . . . .	1,469,800 00
	<hr/>
	\$9,576,250 00.

## SOLDIERS' GRATUITY LOAN.

During the year there have been allowed and paid 24 claims, making the total number of claims paid to date 4,539, amounting to \$567,375. The total amount of bonds issued for this purpose is \$505,000, of which \$217,000 have been redeemed, leaving the balance outstanding \$288,000.

## STATE HIGHWAY LOAN.

The Massachusetts Highway Commission is directed by chapter 203 of the General Acts of 1916 to construct and improve the State highway known as the Black North route, from Lowell to Lawrence, in the towns of Dracut and Methuen, and to expend therefor a sum not exceeding \$10,000. An issue of bonds to an amount not exceeding this sum, for a term not exceeding fifteen years, is authorized, none of which has yet been issued.

Chapter 204 of the General Acts of 1916 authorizes the Massachusetts Highway Commission to expend the sum of \$8,000 during the present year, in addi-

tion to the \$12,000 appropriated by chapter 230 of the General Acts of 1915, for the construction of a highway from the town of Norton to the city of Taunton. A bond issue to an amount not exceeding \$8,000, for a term not exceeding fifteen years, is authorized to meet the expenditures incurred under the provisions of this act, none of which has been issued.

An expenditure of \$5,000 during the present year is authorized by chapter 219 of the General Acts of 1916, in addition to any sums heretofore appropriated, for the purpose of constructing and improving the highway between the existing highway in the town of Milford, leading through Hopkinton, to the existing highway in the town of Southborough. An issue of bonds to an amount not exceeding \$5,000, for a term not exceeding ten years, is authorized to meet the expenditures, none of which has been issued.

The Massachusetts Highway Commission is authorized by chapter 230 of the General Acts of 1916 to expend a sum not exceeding \$200,000 in purchasing or taking by right of eminent domain land for the purpose of laying out and constructing a highway in the city of Revere, and to use any balance of said money that is not, in its opinion, necessary for the payment of land damages for the construction of the highway. To meet the expenses incurred under this act an issue of bonds to an amount not exceeding \$200,000, for a term not exceeding fifteen years, is authorized, none of which has been issued.

Bonds to the amount of \$642,000, bearing interest at 4 per cent., have been issued during the year for the following purposes: \$591,000, under the authority of chapter 704, Acts of 1912; \$10,000 for the improvement of a highway in the town of Ashburnham, as authorized by chapter 229 of the General Acts of 1915; \$12,000 for the construction of a State highway from the town of Norton to the city of Taunton, as authorized by chapter 230 of the General Acts of 1915; \$14,000 for the improvement of a highway in the towns of Mashpee and Barnstable, as authorized by chapter 242 of the General Acts of 1915; and \$10,000 for the improvement of the highway between North Brookfield and Barre Plains, as authorized by chapter 257 of the General Acts of 1915.

The total issue of State highway bonds to Nov. 30, 1916, is \$10,872,000, of which \$1,495,500 have been redeemed, leaving a balance outstanding of \$9,376,500.

## STATE HOUSE CONSTRUCTION LOAN.

Chapter 181 of the General Acts of 1916 amends chapter 256 of the General Acts of 1915 by increasing the amount authorized for completing the addition on the westerly side of the State House to \$665,000.

There have been issued during the year bonds to the amount of \$700,000, bearing interest at 4 per cent., as follows: \$100,000 for the construction of additions to the State House, being the balance of the amount authorized by chapter 830 of the Acts of 1913; and \$600,000 for the completion of the addition on the westerly side of the State House, as authorized by chapter 256 of the General Acts of 1915, \$100,000 of which amount was to pay for the note issued in 1915.



## WESTERN MASSACHUSETTS HIGHWAY LOAN.

There were issued during the year bonds to the amount of \$500,000 to pay for the note issued in 1915 for the construction of certain highways in the five western counties, as authorized by chapter 221 of the General Acts of 1915. Of this amount, \$36,000 were redeemed during the year, leaving outstanding on Nov. 30, 1916, bonds to the amount of \$464,000.

## TRANSFERS TO COVER CERTAIN DEFICIENCIES, AS AUTHORIZED BY CHAPTER 549 OF THE ACTS OF 1908.

Executive department:—	
Lieutenant-Governor and Council,	\$999 51
Treasurer's department, incidentals,	890 87
Reimbursement for official bonds,	350 00
Secretary's department:—	
Publication of Province Laws,	108 23
Publication of Province Laws Index,	453 85
Printing:—	
General Laws,	374 69
Public documents,	1,877 18
Purchase of paper,	17,080 15
Elections:—	
Ballots for elections,	1,749 17
Blank forms for town officers,	5,075 00
Probate and insolvency courts:—	
Compensation of judges acting for others,	205 00
District attorneys, travel,	310 56
State Department of Health:—	
Printing report,	395 92
Suppression of infantile paralysis,	5,000 00
After-care work, infantile paralysis,	5,000 00
Board of Registration in Medicine:—	
Clerks and expenses,	82 92
Board of Registration of Nurses:—	
Expenses,	273 94
Department of Animal Industry:—	
Compensation of inspectors of animals,	104 04
Bank Commissioner:—	
Travel and other expenses,	1,688 72
Printing report,	100 36
Public Service Commission:—	
Stenographic reports,	862 96
Bay State Street Railway fare investigation,	9,117 84
State Examiners of Electricians:—	
Salaries of employees,	94 51
District Police:—	
Detective department, travel of members,	335 88
Steamer "Lotis" expenses,	497 75
Adjutant-General's department:—	
Company armorers,	281 58
Allowance to headquarters and companies,	159 81
Repairs to uniforms,	3,129 98
Quartermaster-General's department:—	
Expenses,	712 88
Supplies,	1,345 03
Maintenance of armories, first class,	961 62

Surgeon-General's department:—	
Medical supplies and expenses,	\$791 96
Highway Commission:—	
Reconstructing Parker River bridge,	518 33
Wellington bridge, maintenance,	1,287 99
Board of Agriculture:—	
Suppression of white pine blister rust,	3,959 81
Agricultural exhibit at Springfield,	1,500 00
Dairy exhibit at Springfield,	999 02
Commission on Fisheries and Game:—	
Compensation of commissioners,	259 16
Public buildings:—	
Reimbursement of cities and towns for loss of taxes on land used for public purposes,	119 14
Boston State Hospital, land,	758 51
Grafton State Hospital, investigating new water supply,	700 00
Lakeville State Sanatorium, coal trestle,	500 00
Westfield State Sanatorium, expenses,	3,500 00
Commission on Gratuities,	700 00
Bureau of Prisons:—	
Advisory Board of Pardons,	925 00
Trustees of Massachusetts Training Schools:—	
Instruction in public schools,	574 87
	<hr/> \$76,713 74

In the following table is shown the gross weekly cost and net weekly cost, with the number of inmates, of charitable and reformatory institutions and the number of pupils in the normal schools. These per capita costs are figured upon expenditures made from maintenance appropriations, no allowance being made for the cost of the plant.

NAME OF INSTITUTION.	Average Number of Inmates.	Gross Weekly Cost.	Net Weekly Cost.
<i>Insane and Feeble-minded.</i>			
Boston,	1,610.09	\$5 834	\$5 21
Danvers,	1,528.73	4 820	4 04
Foxborough,	333.50	7 108	6 90
Gardner,	780.06	4 444	4 35
Grafton,	1,686.36	4 581	4 41
Massachusetts School for the Feeble-minded,	1,601.00	3 854	3 70
Medfield,	1,641.87	4 812	4 69
Monson,	1,001.31	4 814	4 45
Northampton,	977.64	4 347	3 24
Taunton,	1,343.27	5 024	4 49
Westborough,	1,328.94	5 144	4 05
Worcester,	1,507.68	4 768	4 11
Wrentham School,	998.49	3 696	3 66
<i>Tuberculosis Sanatoria.</i>			
Lakeville,	262.82	8 832	6 16
Massachusetts Hospital School,	261.52	6 031	2 86
North Reading,	200.34	8 782	5 96
Rutland,	348.00	10 637	7 46
Westfield,	263.80	9 275	6 00



NAME OF INSTITUTION.	Average Number of Inmates.	Gross Weekly Cost.	Net Weekly Cost.
<i>Other Charitable.</i>			
Norfolk, . . . . .	198.38	\$12 182	\$11 85
State Infirmary, . . . . .	2,303.98	4 274	4 05
Penikese, . . . . .	10.88	49 895	49 78
<i>Reformatory and Correctional.</i>			
Industrial School for Boys, . . . . .	220.70	7 163	7 06
Industrial School for Girls, . . . . .	266.08	5 908	5 88
Lyman School for Boys, . . . . .	448.50	5 439	5 32
State Farm, . . . . .	2,745.00	2 702	2 60
State Prison, . . . . .	726.75	4 886	4 78
Prison Camp and Hospital, . . . . .	114.63	10 942	10 33
Massachusetts Reformatory, . . . . .	577.75	8 520	8 24
Reformatory for Women, . . . . .	280.72	7 146	6 93
<i>Normal Schools.</i>			
Bridgewater, . . . . .	408.80	3 558	3 51
Fitchburg, . . . . .	393.27	3 089	3 04
Framingham, . . . . .	406.00	3 059	3 04
Hyannis, . . . . .	100.00	5 473	5 36
Lowell, . . . . .	226.33	3 312	3 27
North Adams, . . . . .	175.00	4 696	4 56
Salem, . . . . .	380.00	2 522	2 50
Westfield, . . . . .	199.75	4 264	4 21
Worcester, . . . . .	252.00	2 884	2 85
Normal Art, . . . . .	344.00	2 839	2 79

Chapter 370, Acts of the year 1914, provides that money may be advanced from the treasury of the Commonwealth to officials authorized to expend money, subject to such rules and regulations as the Auditor of the Commonwealth may determine. One of the purposes enumerated is to secure cash discounts wherever possible.

Below is given a table showing increased savings to the Commonwealth in this way:—

STATEMENT OF DISCOUNTS.

NAME OF INSTITUTION.	1914.	1915.	1916.
<i>Insane and Feeble-minded.</i>			
Boston, . . . . .	\$1,126 08	\$1,243 27	\$1,273 35
Danvers, . . . . .	849 48	960 32	1,105 13
Foxborough, . . . . .	381 62	381 06	350 83
Gardner, . . . . .	1,045 90	893 81	892 78
Grafton, . . . . .	894 06	998 90	1,163 44
Massachusetts School for the Feeble-minded, . . . . .	987 19	948 66	1,042 65
Medfield, . . . . .	1,844 55	1,479 70	1,205 28
Monson, . . . . .	377 13	505 02	633 56
Northampton, . . . . .	334 55	389 67	623 78
Taunton, . . . . .	1,329 97	1,471 30	1,553 89
Westborough, . . . . .	944 29	845 29	766 69
Worcester, . . . . .	1,087 75	1,123 14	1,169 66
Wrentham School, . . . . .	598 84	687 74	869 82
<i>Tuberculosis Sanatoria.</i>			
Lakeville, . . . . .	262 25	319 46	385 90
Massachusetts Hospital School, . . . . .	228 96	220 30	204 90

STATEMENT OF DISCOUNTS — *Concluded.*

NAME OF INSTITUTION.	1914.	1915.	1916.
<i>Tuberculosis Sanatoria — Con.</i>			
North Reading, . . . . .	\$132 95	\$148 13	\$152 73
Rutland, . . . . .	248 24	256 62	280 81
Westfield, . . . . .	247 29	409 18	312 37
<i>Other Charitable.</i>			
Norfolk, . . . . .	357 97	635 88	587 61
State Infirmary, . . . . .	2,118 95	2,458 84	2,347 59
<i>Reformatory and Correctional.</i>			
Industrial School for Boys, . . . . .	211 89	249 62	187 98
Industrial School for Girls, . . . . .	163 40	313 40	268 72
Lyman School for Boys, . . . . .	245 23	326 50	292 39
State Farm, . . . . .	1,124 74	1,146 72	1,079 91
State Prison, . . . . .	266 04	309 59	291 39
Prison Camp and Hospital, . . . . .	37 74	194 16	238 01
Massachusetts Reformatory, . . . . .	289 42	556 97	561 31
Reformatory for Women, . . . . .	7 09	283 54	1,220 65
<i>Normal Schools.</i>			
Bridgewater, . . . . .	244 77	267 04	262 78
Fitchburg, . . . . .	82 36	14 83	14 48
Framingham, . . . . .	1,556 81	1,901 21	2,601 62
Hyannis, . . . . .	67 01	58 46	31 00
Lowell, . . . . .	56 04	95 97	109 53
North Adams, . . . . .	325 65	232 41	56 93
Salem, . . . . .	121 41	162 41	160 44
Westfield, . . . . .	50 68	62 38	71 29
Worcester, . . . . .	105 81	104 56	113 71
Normal Art, . . . . .	36 70	25 20	31 07
	\$20,390 81	\$22,681 26	\$24,515 98

## RECOMMENDATION.

I have to call to the attention of the General Court the fact that for the first time in many years the accounting for funds advanced under the statutes for the payment of pay and allowances to members of the militia, on account of mobilization and tour of duty, has not been satisfactorily completed up to the close of the fiscal year. Unusual circumstances in connection with the trouble on the Mexican border have a bearing upon this condition, but do not seem to justify entirely the absence of proper vouchers in this office at the end of the fiscal year. I recommend such legislation in this matter as may seem desirable.

## IN CONCLUSION.

A careful examination of the books and accounts of the Treasurer and Receiver-General has been made and the cash and securities found to be correct, as shown by the books of this department.

During the year changes have been made in the system of keeping the accounts in this department, with a desire to improve the method of reporting the expenditures of the Commonwealth making up the cost of government. This term, "cost of government," is not readily defined, and depends somewhat upon the purpose of the person and the position from which he views the

[Jan. 1917.]

expenditures. This department feels, therefore, that expenditures for general purposes should be under appropriate headings, showing the source from, or method by, which expenditures are met. In making this change it has become necessary to revise what was formerly Statement IV., which under the new arrangement becomes Statement III.

On the first page of this report appears a summary statement of receipts and expenditures. Under "expenditures" the first two items show the expenditures of the State, in accordance with the old classification, which have a direct effect upon the State tax. This, perhaps the most important feature of State finance, has not been confused, but all expenditures have been shown in such a way that the different classes can be combined to suit the view of the person using the report. The third item shows assessments and special receipts heretofore shown under the general classification of funds, as these expenditures are only indirectly connected with the State tax. I feel assured that this change in reporting is in line with some of the more advanced opinions of the day upon reporting public expenditures.

Respectfully submitted,

ALONZO B. COOK,  
*Auditor.*

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## PART I.

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## REVENUE.

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Under the general term "Revenue" are included all treasury transactions except those of the sinking funds, trust funds and deposits, agency distributions, investment transactions and temporary loans.

STATEMENT I. is a summary statement of receipts and payments.

STATEMENT II. is a detailed statement of receipts, including the State tax, with a particular statement of the condition of each account not entering into the ordinary revenue.

STATEMENT III. is a statement of expenses paid and unpaid, classified so as to show the expenditures from ordinary revenue, bond issues or other special receipts, and special assessments; it also shows the appropriations for 1916.

STATEMENT IV. is a statement of expenses paid and unpaid for 1916 in detail.

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Lynnway, . . . . .	611, 627
Lyons, Cornelius J., annuity, . . . . .	263

## M.

Maintenance of aeroplanes by the militia, . . . . .	344
Maintenance of armories, first class, . . . . .	347, 348
Maintenance of armories, second and third class, . . . . .	352
Maintenance of horses for the militia, . . . . .	344
Maintenance of old State House, . . . . .	605
Maintenance and improvement of highways, . . . . .	367

## STATEMENT II.

## Revenue Receipts in Detail.

DETAILS 21, 22.

## DETAIL No. 21.

## INTEREST.

INTEREST ON DEPOSITS. [Revised Laws, chap. 6, sect. 61.]		
Balance applicable to revenue (for statement in full see Detail No. 502),		\$90,673 82
COLLATERAL LEGACY TAX. [Revised Laws, chap. 15, sect. 4.]		
Sundry parties,		4,808 10
INHERITANCE TAX. [Acts 1909, chap. 527, sect. 2.]		
Sundry parties,		13,927 09
DEFERRED PAYMENTS. [Acts 1909, chap. 490, Part III.]		
Sundry taxes,		6,867 53
Total,		\$116,276 54

## DETAIL No. 22.

## SALES.

SECRETARY OF THE COMMONWEALTH.		
Blue Book (Acts 1908, chap. 443),	\$352 95	
Books (Revised Laws, chap. 5, sect. 1),	691 47	
Plates,	1,755 85	
Bradford Histories (Resolves 1898, chap. 68),	120 00	
Revised Laws and Index (Resolves 1901, chap. 123),	396 00	
		\$3,316 27
MASSACHUSETTS ATLAS SHEETS. [Resolves 1909, chap. 26.]		
Commission on Waterways and Public Lands, <sup>1</sup>		151 60
MASSACHUSETTS BIRD BOOK. [Resolves 1907, chap. 77.]		
Secretary of the State Board of Agriculture,		574 00
MASSACHUSETTS GAME BIRD BOOK. [Resolves 1910, chap. 90.]		
Secretary of the State Board of Agriculture,		363 00
INDUSTRIAL ACCIDENT BOARD.		
Secretary of the Board (reports of cases),		180 96
LEGISLATIVE BULLETIN SUBSCRIPTIONS. [Resolves 1902, chap. 3.]		
Sergeant-at-arms,		854 00

<sup>1</sup> Sales formerly from Harbor and Land Commission.

## STATEMENT II.

## Revenue Receipts in Detail.

DETAIL 22.

## SALES — Concluded.

DEPARTMENT OF ANIMAL INDUSTRY. [Revised Laws, chap. 6, sect. 56.]		
Commissioner of Animal Industry: —		
Carcasses of glandered horses,	\$633 25	
Hides, etc.,	873 18	\$1,506 43
DISTRICT POLICE. [Revised Laws, chap. 100, sect. 80; Acts 1908, chap. 583.]		
Confiscated liquors,	\$1,640 00	
Confiscated weapons,	45 00	1,685 00
MILITARY SUPPLIES, QUARTERMASTER-GENERAL'S DEPARTMENT. [Acts 1911, chap. 554.]		
Quartermaster-General: —		
Sale of clothing, equipment, etc.,	\$4,249 35	
Sale of horses,	720 00	4,969 35
BUILDING STATE ARSENAL. [Resolves 1910, chap. 148.]		
Adjutant-General,		480 00
OLD FURNITURE, ETC. [Revised Laws, chap. 6, sect. 56.]		
Attorney-General,	\$5 00	
Bureau of Statistics,	83 93	
District Police,	27 35	
Massachusetts Nautical School,	28 00	
Sergeant-at-arms,	615 54	
State Library,	39 61	799 43
FISHERIES AND GAME COMMISSION. [Acts 1908, chap. 488; 1910, chap. 548; 1912, chap. 567.]		
Game products,	\$1,949 66	
Old material,	26 50	
Game tags,	386 70	
Forfeited goods,	271 25	2,634 11
STATE FORESTER. [Acts 1904, chap. 409, sect. 2; Resolves 1908, chap. 121; Acts 1908, chap. 478.]		
Seeds and seedlings,		368 96
STATE DEPARTMENT OF HEALTH. [Revised Laws, chap. 6, sect. 56.]		
Pamphlet,		25
Total,		\$17,883 36

## STATEMENT III.

STATEMENT OF APPROPRIATIONS AND EXPENSES INCURRED IN 1916.

## LEGISLATIVE DEPARTMENT.

STATEMENT III. — APPROPRIATIONS AND EXPENSES FOR 1916, ETC.

		FROM ORDINARY REVENUE.		FROM BOND ISSUES OR OTHER SPECIAL RECEIPTS.	FROM SPECIAL ASSESSMENTS.	
		Appropriations.	Expenses.	Expenses.	Appropriations.	Expenses.
Detail	<i>Salaries and Allowances.</i>					
127	Senate compensation, . . . . .	\$41,000 00	\$41,000 00	—	—	—
127	Senate travel, . . . . .	3,200 00	3,060 00	—	—	—
128	House compensation, . . . . .	241,000 00	240,500 00	—	—	—
128	House travel, . . . . .	19,000 00	17,510 00	—	—	—
129	Clerks, Senate and House, . . . . .	7,500 00	7,500 00	—	—	—
129	Assistant clerks, Senate and House, . . . . .	5,000 00	5,000 00	—	—	—
129	Clerical assistance, Senate, . . . . .	1,500 00	1,305 96	—	—	—
129	Clerical assistance, House, . . . . .	4,000 00	3,165 48	—	—	—
130	Doorkeepers and postmaster, . . . . .	5,000 00	5,000 00	—	—	—
130	Assistant doorkeepers and messengers, . . . . .	30,400 00	30,400 00	—	—	—
130	Pages, Senate and House, . . . . .	6,120 00	6,120 00	—	—	—
130	Pages' travel, . . . . .	1,000 00	1,000 00	—	—	—
131	Chaplains, Senate and House, . . . . .	1,200 00	1,200 00	—	—	—
132	Legislative committees, . . . . .	10,316 10	10,316 10	—	—	—
		\$376,236 10	\$373,077 54	—	—	—
132	<i>Legislative Committees.</i>					
132	Travel, etc., . . . . .	\$5,183 90	\$4,545 76	—	—	—
132	Advertising, . . . . .	6,000 00	5,808 86	—	—	—
133	Witness fees, . . . . .	200 00	48 95	—	—	—
		\$11,383 90	\$10,403 57	—	—	—

134	<i>Printing.</i>					
134	Senate printing, . . . . .	\$58,000 00	\$15,890 79	—	—	—
134	House printing, . . . . .	5,400 00	35,292 84	—	—	—
134	Manual for the General Court, . . . . .	9,000 00	5,064 44	—	—	—
134	Legislative Bulletin, . . . . .		7,925 87	—	—	—
		\$72,400 00	\$64,173 44	—	—	—
135	<i>Other Expenses.</i>					
135	Senate stationery, . . . . .	\$800 00	\$455 50	—	—	—
135	House stationery, . . . . .	1,000 00	930 05	—	—	—
135	Contingent, . . . . .	10,000 00	9,967 60	—	—	—
		\$11,800 00	\$11,353 15	—	—	—
136	<i>Extra Session.</i>					
136	Senate compensation, . . . . .	\$2,050 00	\$2,050 00	—	—	—
136	Senate travel, . . . . .	350 00	306 00	—	—	—
136	House compensation, . . . . .	12,050 00	11,950 00	—	—	—
136	House travel, . . . . .	1,800 00	1,742 00	—	—	—
136	Compensation of chaplains, clerks, etc., . . . . .	300 00	300 00	—	—	—
136	Compensation of sergeant-at-arms and certain appointees, . . . . .	1,300 00	1,179 60	—	—	—
		\$17,850 00	\$17,527 60	—	—	—
	Total, Legislative Department, . . . . .	\$489,670 00	\$476,535 30	—	—	—

## SPECIAL LEGISLATIVE INVESTIGATIONS.

137	Uniformity of legislation, . . . . .	—	\$594 16 <sup>1</sup>	—	—	—
138	Education of persons with defective vision, . . . . .	—	228 49 <sup>1</sup>	—	—	—
139	Conservation of waterways, . . . . .	\$10,000 00	11,697 44 <sup>1</sup>	—	—	—
140	Taking of land for public purposes, . . . . .	—	258 45 <sup>1</sup>	—	—	—
141	Military education for boys and militia reserve, . . . . .	—	685 31 <sup>1</sup>	—	—	—
142	Highway laws, . . . . .	6,000 00	2,696 72	—	—	—

<sup>1</sup> Balance from previous appropriation.

STATEMENT III. — APPROPRIATIONS AND EXPENSES FOR 1916, ETC.



## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 127

## STATEMENT IV.

## EXPENSES PAID AND UNPAID FOR 1916 IN DETAIL.

## LEGISLATIVE DEPARTMENT.

[Citations for 1915 and 1916 refer to Special Acts except when chapter numbers are printed in italics.]

## DETAIL No. 127.

## SENATE PAY ROLL.

[Revised Laws, chap. 3; Acts 1911, chap. 676; 1916, chap. 1.]

NAME.	Residence.	District.	Travel.	Compensation.	Totals.
Frank Bartlett,	Pittsfield,	Berkshire,	\$310 00	\$1,000 00	\$1,310 00
Sanford Bates,	Boston,	9th Suffolk,	10 00	1,000 00	1,010 00
William A. L. Bazeley,	Uxbridge,	4th Worcester,	90 00	1,000 00	1,090 00
Charles S. Beal,	Rockland,	1st Plymouth,	40 00	1,000 00	1,040 00
James W. Bean,	Cambridge,	2d Middlesex,	10 00	1,000 00	1,010 00
John E. Beck,	Chelsea,	1st Suffolk,	10 00	1,000 00	1,010 00
Charles D. Brown,	Gloucester,	3d Essex,	70 00	1,000 00	1,070 00
James F. Cavanagh,	Everett,	4th Middlesex,	10 00	1,000 00	1,010 00
Daniel J. Chapman,	Boston,	6th Suffolk,	10 00	1,000 00	1,010 00
Ezra W. Clark,	Brookton,	2d Plymouth,	50 00	1,000 00	1,050 00
Herbert E. Cummings,	North Brookfield,	Worcester and Hampden,	140 00	1,000 00	1,140 00
Charles W. Eldridge,	Somerville,	3d Middlesex,	10 00	1,000 00	1,010 00
George H. Ellis,	Newton,	1st Middlesex,	20 00	1,000 00	1,020 00
Frank S. Farnsworth,	Leominster,	3d Worcester,	110 00	1,000 00	1,110 00
Wilton B. Fay,	Medford,	6th Middlesex,	20 00	1,000 00	1,020 00
Charles L. Gifford,	Barnstable,	Cape,	170 00	1,000 00	1,170 00
Gordon W. Gordon,	Springfield,	1st Hampden,	200 00	1,000 00	1,200 00
James I. Green,	Boston,	2d Suffolk,	10 00	1,000 00	1,010 00
John W. Haigis,	Montague,	Franklin and Hampshire,	220 00	1,000 00	1,220 00
Martin Hays,	Boston,	5th Suffolk,	10 00	1,000 00	1,010 00

Clarence W. Hobbs, Jr.,	Worcester,	2d Worcester,	90 00	1,000 00	1,090 00
John B. Hull,	Great Barrington,	Berkshire, Hampshire and Hampden,	360 00	1,000 00	1,360 00
George H. Jackson,	Lynn,	1st Essex,	30 00	1,000 00	1,030 00
Charles A. Kimball,	Littleton,	7th Middlesex,	70 00	1,000 00	1,070 00
Richard Knowles,	New Bedford,	3d Bristol,	120 00	1,000 00	1,120 00
Louis F. R. Langelier,	Quincy,	1st Norfolk,	20 00	1,000 00	1,020 00
George E. Marchand,	Lowell,	8th Middlesex,	60 00	1,000 00	1,060 00
Joseph W. Martin, Jr.,	North Attleborough,	1st Bristol,	80 00	1,000 00	1,080 00
Orion T. Mason,	Medway,	2d Norfolk,	60 00	1,000 00	1,060 00
Philip J. McGonagle,	Boston,	3d Suffolk,	10 00	1,000 00	1,010 00
Walter E. McLane,	Fall River,	2d Bristol,	110 00	1,000 00	1,110 00
Edward F. McLaughlin,	Boston,	4th Suffolk,	10 00	1,000 00	1,010 00
W. Prentiss Parker,	Boston,	8th Suffolk,	10 00	1,000 00	1,010 00
E. Howard Perley,	Salem,	2d Essex,	40 00	1,000 00	1,040 00
John F. Sheehan,	Holyoke,	2d Hampden,	220 00	1,000 00	1,220 00
James R. Tetler,	Lawrence,	5th Essex,	60 00	1,000 00	1,060 00
James P. Timilty,	Boston,	7th Suffolk,	10 00	1,000 00	1,010 00
Nathan A. Tufts,	Waltham,	6th Middlesex,	20 00	1,000 00	1,020 00
Robert M. Washburn,	Worcester,	1st Worcester,	90 00	1,000 00	1,090 00
Henry G. Wells, <sup>1</sup>	Haverhill,	4th Essex,	70 00	2,000 00	2,070 00
			\$3,060 00	\$41,000 00	\$44,060 00

Senate compensation,

\$41,000 00

Senate travel,

3,060 00

\$44,060 00

<sup>1</sup> President.

DETAIL 127.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 12.

**DETAIL No. 128.**  
**HOUSE OF REPRESENTATIVES PAY ROLL.**  
 [Revised Laws, chap. 3; Acts 1911, chap. 676; 1916, chap. 1.]

NAME.	Residence.	District.	Travel.	Compensation.	Totals.
Essex S. Abbott,	Haverhill,	3d Essex,	\$70 00	\$1,000 00	\$1,070 00
Henry Achin, Jr.,	Lowell,	17th Middlesex,	60 00	1,000 00	1,060 00
George C. F. Allen,	Lynn,	14th Essex,	30 00	1,000 00	1,030 00
J. Weston Allen,	Newton,	4th Middlesex,	20 00	1,000 00	1,020 00
Philip R. Ammidon,	Cambridge,	3d Middlesex,	10 00	1,000 00	1,010 00
Algott N. Anderson,	Easton,	2d Bristol,	50 00	1,000 00	1,050 00
Charles H. Annis,	Lynn,	12th Essex,	30 00	1,000 00	1,030 00
William M. Armstrong,	Somerville,	25th Middlesex,	10 00	1,000 00	1,010 00
Benjamin S. Atwood,	Whitmar,	5th Plymouth,	50 00	1,000 00	1,050 00
George W. P. Babb,	Boston,	23d Suffolk,	10 00	1,000 00	1,010 00
James T. Bagshaw,	Fall River,	11th Bristol,	110 00	1,000 00	1,110 00
Edmund Baker,	Marshfield,	2d Plymouth,	70 00	1,000 00	1,070 00
William B. Baldwin,	Brockton,	10th Plymouth,	50 00	1,000 00	1,050 00
Philip H. Ball,	Deerfield,	3d Franklin,	220 00	1,000 00	1,220 00
Arthur W. Barker,	Lynn,	13th Essex,	30 00	1,000 00	1,030 00
William J. Barry,	Rockland,	4th Plymouth,	40 00	1,000 00	1,040 00
Thomas W. Baxter,	Lynn,	15th Essex,	30 00	1,000 00	1,030 00
Addison P. Beardsley,	Boston,	21st Suffolk,	10 00	1,000 00	1,010 00
Joseph Belcher,	Randolph,	9th Norfolk,	30 00	1,000 00	1,030 00
Joseph J. Benson,	Boston,	24th Suffolk,	10 00	1,000 00	1,010 00
James D. Bentley,	Swampscott,	12th Essex,	30 00	1,000 00	1,030 00
Jacob Bitzer,	Arlington,	29th Middlesex,	20 00	1,000 00	1,020 00
Alvin E. Bliss,	Malden,	23d Middlesex,	10 00	1,000 00	1,010 00
Cornelius Boothman,	Adams,	3d Berkshire,	300 00	1,000 00	1,300 00
Eden K. Bowser,	Wakefield,	21st Middlesex,	20 00	1,000 00	1,020 00
Manassah E. Bradley,	Boston,	2d Suffolk,	10 00	1,000 00	1,010 00
James J. Brennan,	Boston,	3d Suffolk,	10 00	1,000 00	1,010 00
Thomas H. Brennan,	Natick,	6th Middlesex,	40 00	1,000 00	1,040 00
Clarence A. Briggs,	Taunton,	5th Bristol,	80 00	1,000 00	1,080 00
Vincent Brogna,	Boston,	8th Suffolk,	10 00	1,000 00	1,010 00
Charles H. Brown,	Revere,	27th Suffolk,	10 00	1,000 00	1,010 00
Frederic J. Brown,	Woburn,	20th Middlesex,	20 00	1,000 00	1,020 00
Daniel J. Buckley,	Chilmark,	8th Hampden,	210 00	1,000 00	1,210 00
George Bunting,	Methuen,	5th Essex,	70 00	1,000 00	1,070 00
Arthur E. Burr,	Boston,	11th Suffolk,	10 00	1,000 00	1,010 00
Frederick Butler,	Lawrence,	7th Essex,	60 00	1,000 00	1,060 00
Fred E. Cady,	Monson,	1st Hampden,	180 00	1,000 00	1,180 00
Julius F. Carman,	Springfield,	6th Hampden,	200 00	1,000 00	1,200 00
Daniel W. Casey,	Boston,	14th Suffolk,	10 00	1,000 00	1,010 00
Allison G. Catheron,	Beverly,	20th Essex,	40 00	1,000 00	1,040 00
George D. Chamberlain,	Springfield,	5th Hampden,	200 00	1,000 00	1,200 00
Albert M. Chandler,	Cambridge,	2d Middlesex,	10 00	1,000 00	1,010 00
Charles Chapman,	Cambridge,	1st Middlesex,	10 00	1,000 00	1,010 00
Edward E. Chapman,	Ludlow,	2d Hampden,	220 00	1,000 00	1,220 00
John W. Churchill,	Plymouth,	1st Plymouth,	80 00	1,000 00	1,080 00
Frederic F. Clauss,	Cambridge,	2d Middlesex,	10 00	1,000 00	1,010 00
James Coffey,	Salem,	17th Essex,	40 00	1,000 00	1,040 00
Arthur W. Colburn,	Dracut,	14th Middlesex,	70 00	1,000 00	1,070 00
Benjamin G. Collins,	Edgartown,	1st Dukes,	200 00	1,000 00	1,200 00
Samuel I. Collins,	Amesbury,	1st Essex,	90 00	1,000 00	1,090 00
D. Herbert Cook,	New Bedford,	7th Bristol,	120 00	1,000 00	1,120 00
Thomas J. Cooley,	Westfield,	12th Hampden,	220 00	1,000 00	1,220 00
John J. Courtney,	Springfield,	3d Hampden,	200 00	1,000 00	1,200 00
Channing H. Cox, <sup>1</sup>	Boston,	10th Suffolk,	10 00	2,000 00	2,010 00
John W. Craig,	Boston,	12th Suffolk,	10 00	1,000 00	1,010 00
Burton H. Crosby,	Lowell,	19th Middlesex,	60 00	1,000 00	1,060 00
Fred W. Cross,	Royalston,	1st Worcester,	160 00	1,000 00	1,160 00
John J. Cummings,	Boston,	20th Suffolk,	10 00	1,000 00	1,010 00
George E. Curran,	Boston,	18th Suffolk,	10 00	1,000 00	1,010 00
Edward N. Dahlborg,	Brockton,	9th Plymouth,	60 00	1,000 00	1,060 00
Samuel Davis,	Boston,	10th Suffolk,	10 00	1,000 00	1,010 00
Theodore H. Day,	Worcester,	20th Worcester,	90 00	1,000 00	1,090 00
George F. Dennis,	Sandwich,	1st Barnstable,	130 00	1,000 00	1,130 00
John L. Donovan,	Boston,	7th Suffolk,	10 00	1,000 00	1,010 00
Thomas F. Donovan,	Boston,	9th Suffolk,	10 00	1,000 00	1,010 00
Thomas E. Dowd,	Worcester,	17th Worcester,	90 00	1,000 00	1,090 00
Frederic E. Dowling,	Boston,	25th Suffolk,	10 00	1,000 00	1,010 00
George P. Drury,	Waltham,	5th Middlesex,	20 00	1,000 00	1,020 00
Edward B. Eames,	Reading,	20th Middlesex,	30 00	1,000 00	1,030 00
Carl C. Emery,	Newburyport,	25th Essex,	80 00	1,000 00	1,080 00

<sup>1</sup> Speaker.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128.

HOUSE OF REPRESENTATIVES PAY ROLL — *Continued.*

NAME.	Residence.	District.	Travel.	Compensation.	Totals.
John P. Englert,	Boston,	22d Suffolk,	\$10 00	\$1,000 00	\$1,010 00
John G. Faxon,	Fitchburg,	12th Worcester,	100 00	1,000 00	1,100 00
Horace F. Field,	Mattapoisett,	6th Plymouth,	120 00	1,000 00	1,120 00
Charles D. Fisher,	Holliston,	8th Middlesex,	60 00	1,000 00	1,060 00
John I. Fitzgerald,	Boston,	8th Suffolk,	10 00	1,000 00	1,010 00
Michael J. Fitz Gerald,	Northampton,	1st Hampshire,	230 00	1,000 00	1,230 00
William J. Foley,	Boston,	13th Suffolk,	10 00	1,000 00	1,010 00
Harry C. Foster,	Gloucester,	21st Essex,	70 00	500 00	570 00
Arthur W. Frail,	Upton,	9th Worcester,	90 00	1,000 00	1,090 00
Joseph E. Freeling,	Fall River,	9th Bristol,	110 00	1,000 00	1,110 00
William F. French,	Haverhill,	2d Essex,	70 00	1,000 00	1,070 00
William P. French,	Somerville,	26th Middlesex,	10 00	1,000 00	1,010 00
Harvey E. Frost,	Somerville,	25th Middlesex,	10 00	1,000 00	1,010 00
Charles B. Frothingham,	Lynn,	13th Essex,	30 00	1,000 00	1,030 00
Mauran I. Furbish,	North Attleborough,	1st Bristol,	80 00	1,000 00	1,080 00
Charles F. Garrity,	Worcester,	16th Worcester,	90 00	1,000 00	1,090 00
Harry C. Gates,	Orange,	4th Franklin,	180 00	1,000 00	1,180 00
John M. Gibbs,	Waltham,	5th Middlesex,	20 00	1,000 00	1,020 00
Thomas J. Giblin,	Boston,	1st Suffolk,	10 00	1,000 00	1,010 00
John J. Gillis,	Boston,	3d Suffolk,	10 00	1,000 00	1,010 00
Nesbit G. Gleason,	Andover,	9th Essex,	50 00	1,000 00	1,050 00
Fred P. Greenwood,	Everett,	24th Middlesex,	10 00	1,000 00	1,010 00
Julius Guild,	Walpole,	10th Norfolk,	40 00	1,000 00	1,040 00
Edgar H. Hall,	Acton,	11th Middlesex,	60 00	1,000 00	1,060 00
John Halliwell,	New Bedford,	8th Bristol,	120 00	1,000 00	1,120 00
Walter A. Hardy,	Fitchburg,	12th Worcester,	100 00	1,000 00	1,100 00
Edward F. Harrington,	Fall River,	10th Bristol,	110 00	1,000 00	1,110 00
James L. Harrop,	Worcester,	19th Worcester,	90 00	1,000 00	1,090 00
George F. Hart,	Webster,	7th Worcester,	120 00	1,000 00	1,120 00
Charles H. Hartshorn,	Gardner,	2d Worcester,	130 00	1,000 00	1,130 00
William M. Haskins,	Middleborough,	7th Plymouth,	70 00	1,000 00	1,070 00
James W. Hayes,	Boston,	12th Suffolk,	10 00	1,000 00	1,010 00
Matthew A. Higgins,	Taunton,	3d Bristol,	80 00	1,000 00	1,080 00
Francis M. Hill,	Saugus,	15th Essex,	30 00	1,000 00	1,030 00
Kenneth P. Hill,	Cambridge,	3d Middlesex,	10 00	1,000 00	1,010 00
John A. Hirsch,	Dedham,	1st Norfolk,	20 00	1,000 00	1,020 00
William J. Holland,	Boston,	16th Suffolk,	10 00	1,000 00	1,010 00
Peter Holt,	Andover,	10th Essex,	60 00	1,000 00	1,060 00
Horace W. Howie,	Franklin,	12th Norfolk,	60 00	1,000 00	1,060 00
John C. Hull,	Leominster,	11th Worcester,	110 00	1,000 00	1,110 00
Charles N. James,	Cambridge,	2d Middlesex,	10 00	1,000 00	1,010 00
Henry W. Jarvis,	Newton,	4th Middlesex,	20 00	1,000 00	1,020 00
Victor Francis Jewett,	Lowell,	17th Middlesex,	60 00	1,000 00	1,060 00
John G. Johnson,	Worcester,	13th Worcester,	90 00	1,000 00	1,090 00
Michael H. Jordan,	Lawrence,	6th Essex,	60 00	1,000 00	1,060 00
Thomas M. Joyce,	Boston,	17th Suffolk,	10 00	1,000 00	1,010 00
John J. Kearney,	Boston,	2d Suffolk,	10 00	1,000 00	1,010 00
David L. Kelley,	Fairhaven,	6th Bristol,	120 00	1,000 00	1,120 00
Edward I. Kelley,	Boston,	1st Suffolk,	10 00	1,000 00	1,010 00
William W. Kennard,	Somerville,	25th Middlesex,	10 00	1,000 00	1,010 00
Robert T. Kent,	Pittsfield,	5th Berkshire,	310 00	1,000 00	1,310 00
Joseph O. Knox,	Somerville,	26th Middlesex,	10 00	1,000 00	1,010 00
Arthur F. Lamb,	Templeton,	2d Worcester,	150 00	1,000 00	1,150 00
Ernest A. Larocque,	Fall River,	11th Bristol,	110 00	1,000 00	1,110 00
Charles S. Lawler,	Boston,	24th Suffolk,	10 00	1,000 00	1,010 00
Joseph M. Levenson,	Chelsea,	5th Suffolk,	10 00	1,000 00	1,010 00
John N. Levins,	Boston,	13th Suffolk,	10 00	1,000 00	1,010 00
Fred O. Lewis,	Lowell,	18th Middlesex,	60 00	1,000 00	1,060 00
George E. Lilley,	New Bedford,	7th Bristol,	120 00	1,000 00	1,120 00
Daniel W. Lincoln,	Worcester,	22d Worcester,	90 00	1,000 00	1,090 00
George A. Lindberg,	Worcester,	18th Worcester,	90 00	1,000 00	1,090 00
George W. Love,	West Springfield,	2d Hampden,	200 00	1,000 00	1,200 00
James M. Lyle,	Gloucester,	23d Essex,	70 00	1,000 00	1,070 00
Frank E. Lyman,	Easthampton,	2d Hampshire,	240 00	1,000 00	1,240 00
Luther B. Lyman,	Medford,	27th Middlesex,	20 00	1,000 00	1,020 00
John H. Lynch,	Cambridge,	1st Middlesex,	10 00	1,000 00	1,010 00
James E. MacPherson,	Framingham,	7th Middlesex,	50 00	1,000 00	1,050 00
John P. Mahoney,	Boston,	4th Suffolk,	10 00	1,000 00	1,010 00
Lloyd Makepeace,	Malden,	23d Middlesex,	10 00	1,000 00	1,010 00
Michael F. Malone,	Worcester,	15th Worcester,	90 00	1,000 00	1,090 00
David Mancovitz,	Boston,	8th Suffolk,	10 00	1,000 00	1,010 00
Frank A. Manning,	Brockton,	11th Plymouth,	50 00	1,000 00	1,050 00
Felix A. Marcella,	Boston,	6th Suffolk,	10 00	1,000 00	1,010 00
Arthur E. Marsh,	Springfield,	5th Hampden,	200 00	1,000 00	1,200 00
Robert B. Martin,	Boston,	3d Norfolk,	20 00	1,000 00	1,020 00

STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128.

STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128.

## HOUSE OF REPRESENTATIVES PAY ROLL — Continued.

NAME.	Residence.	District.	Travel.	Compensation.	Totals.
J. Edwin Mayberry,	Brockton,	10th Plymouth,	\$50 00	\$1,000 00	\$1,050 00
John H. McAllister,	Lee,	7th Berkshire,	330 00	1,000 00	1,330 00
Peter F. McCarthy,	Boston,	20th Suffolk,	10 00	1,000 00	1,010 00
Joseph McGrath,	Boston,	20th Suffolk,	10 00	1,000 00	1,010 00
James H. McInerney,	Boston,	19th Suffolk,	10 00	1,000 00	1,010 00
Frederick W. McKenzie,	Holyoke,	10th Hampden,	220 00	1,000 00	1,220 00
Michael J. McNamee,	Boston,	4th Suffolk,	10 00	1,000 00	1,010 00
Charles J. McNulty,	Boston,	4th Suffolk,	10 00	1,000 00	1,010 00
Samuel H. Mildram,	Boston,	24th Suffolk,	10 00	1,000 00	1,010 00
John Mitchell,	Springfield,	4th Hampden,	200 00	1,000 00	1,200 00
John L. Monahan,	Boston,	15th Suffolk,	10 00	1,000 00	1,010 00
Wesley E. Monk,	Watertown,	30th Middlesex,	20 00	1,000 00	1,020 00
Alfred J. Moore,	Boston,	22d Suffolk,	10 00	1,000 00	1,010 00
Charles H. Morrill,	Haverhill,	4th Essex,	70 00	1,000 00	1,070 00
Daniel T. Morrill,	Southbridge,	5th Worcester,	140 00	1,000 00	1,140 00
Edward G. Morris,	Boston,	15th Suffolk,	10 00	1,000 00	1,010 00
James Morrison,	Medford,	28th Middlesex,	20 00	1,000 00	1,020 00
Frank Mulveny,	Fall River,	11th Bristol,	110 00	1,000 00	1,110 00
Dennis A. Murphy,	Lowell,	15th Middlesex,	60 00	1,000 00	1,060 00
John J. Murphy,	Holyoke,	9th Hampden,	220 00	1,000 00	1,220 00
Patrick E. Murray, Jr.,	Boston,	18th Suffolk,	10 00	1,000 00	1,010 00
William A. Murray,	Milford,	9th Worcester,	70 00	1,000 00	1,070 00
Kenneth L. Nash,	Weymouth,	7th Norfolk,	30 00	1,000 00	1,030 00
Arthur N. Newhall,	Stoneham,	31st Middlesex,	30 00	1,000 00	1,030 00
John P. Nickerson,	Harwich,	2d Barnstable,	180 00	1,000 00	1,180 00
Francis Norwood,	Beverly,	20th Essex,	40 00	1,000 00	1,040 00
Edward H. Nutting,	Leominster,	11th Worcester,	110 00	1,000 00	1,110 00
Joseph A. Oakhem,	Boston,	17th Suffolk,	10 00	1,000 00	1,010 00
John J. O'Brien,	Chelsea,	26th Suffolk,	10 00	1,000 00	1,010 00
John J. O'Connell,	Lowell,	16th Middlesex,	60 00	1,000 00	1,060 00
James E. Odlin,	Lynn,	14th Essex,	30 00	1,000 00	1,030 00
James T. O'Dowd,	Lawrence,	8th Essex,	60 00	1,000 00	1,060 00
Ambrose F. Ogden,	Fall River,	10th Bristol,	110 00	1,000 00	1,110 00
John N. Osborne,	Marblehead,	18th Essex,	40 00	1,000 00	1,040 00
George E. Osgood,	Hudson,	10th Middlesex,	70 00	1,000 00	1,070 00
Peter C. Paradis,	Millbury,	8th Worcester,	100 00	1,000 00	1,100 00
John H. Parker,	Marlborough,	9th Middlesex,	70 00	1,000 00	1,070 00
Ward M. Parker,	New Bedford,	8th Bristol,	120 00	1,000 00	1,120 00
Chauncey Perrin,	Salem,	18th Essex,	40 00	1,000 00	1,040 00
Harold L. Perrin,	Wellesley,	11th Norfolk,	30 00	1,000 00	1,030 00
Edward H. Perry,	Nantucket,	1st Nantucket,	240 00	1,000 00	1,240 00
Joseph C. Perry,	Shelburne,	1st Franklin,	250 00	1,000 00	1,250 00
Joseph H. Perry,	Somerville,	26th Middlesex,	10 00	1,000 00	1,010 00
James L. Phelan,	Boston,	23d Suffolk,	10 00	1,000 00	1,010 00
Frederick E. Pierce,	Greenfield,	2d Franklin,	210 00	1,000 00	1,210 00
James T. Potter,	North Adams,	1st Berkshire,	290 00	1,000 00	1,290 00
Francis Prescott,	Grafton,	8th Worcester,	80 00	1,000 00	1,080 00
Albert T. Quiry,	Worcester,	21st Worcester,	90 00	1,000 00	1,090 00
Frank E. Raymond,	Salem,	24th Essex,	60 00	1,000 00	1,060 00
William C. Renue,	Pittsfield,	6th Berkshire,	310 00	1,000 00	1,310 00
George Louis Richards,	Malden,	23d Middlesex,	10 00	1,000 00	1,010 00
Charles F. Rowley,	Brookline,	2d Norfolk,	10 00	1,000 00	1,010 00
Louis H. Ruggles,	Hardwick,	4th Worcester,	130 00	1,000 00	1,130 00
William F. Runnells,	Newburyport,	26th Essex,	80 00	1,000 00	1,080 00
G. Oscar Russell,	Worcester,	14th Worcester,	90 00	1,000 00	1,090 00
John D. Ryan,	Holyoke,	11th Hampden,	220 00	1,000 00	1,220 00
Edward J. Sandberg,	Quincy,	6th Norfolk,	20 00	1,000 00	1,020 00
Joseph A. Saunders,	Pepperell,	12th Middlesex,	100 00	1,000 00	1,100 00
Roland D. Sawyer,	Ware,	4th Hampshire,	160 00	1,000 00	1,160 00
Frederick W. Schlapp,	Lawrence,	5th Essex,	60 00	1,000 00	1,060 00
C. Burnside Seagrave,	Cambridge,	3d Middlesex,	10 00	1,000 00	1,010 00
C. Edgar Searing,	Stockbridge,	8th Berkshire,	340 00	1,000 00	1,340 00
John H. Sherburne,	Brookline,	2d Norfolk,	10 00	1,000 00	1,010 00
Michael J. Sherry,	Peabody,	11th Essex,	40 00	1,000 00	1,040 00
Samuel Silverman,	Boston,	9th Suffolk,	10 00	1,000 00	1,010 00
Allston M. Sinnott,	Bridgewater,	8th Plymouth,	60 00	1,000 00	1,060 00
Fitz-Henry Smith, Jr.,	Boston,	11th Suffolk,	10 00	1,000 00	1,010 00
Jerome S. Smith,	Provincetown,	3d Barnstable,	250 00	1,000 00	1,250 00
William O. Souther, Jr.,	Cohasset,	3d Plymouth,	50 00	1,000 00	1,050 00
Joseph F. Stone,	Canton,	4th Norfolk,	40 00	1,000 00	1,040 00
Merrill E. Streeter,	Springfield,	7th Hampden,	200 00	1,000 00	1,200 00
Denis J. Sullivan,	Salem,	19th Essex,	40 00	1,000 00	1,040 00
William H. Sullivan,	Boston,	19th Suffolk,	10 00	1,000 00	1,010 00
Simon Swig,	Boston,	21st Suffolk,	10 00	1,000 00	1,010 00
James E. Tolman,	Gloucester,	22d Essex,	70 00	1,000 00	1,070 00

STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128.

STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128.



## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 128

## HOUSE OF REPRESENTATIVES PAY ROLL — Concluded.

NAME.	Residence.	District.	Travel.	Compensation.	Totals.
Albert M. Tyler,	West Boylston,	10th Worcester,	\$100 00	\$1,000 00	\$1,100 00
George J. Wall,	Boston,	16th Suffolk,	10 00	1,010 00	1,010 00
Robert J. Ware,	Boston,	14th Suffolk,	10 00	1,000 00	1,010 00
Joseph E. Warner,	Taunton,	4th Bristol,	30 00	1,000 00	1,080 00
George B. Waterman,	Williamstown,	4th Berkshire,	300 00	1,000 00	1,300 00
William E. Weeks,	Everett,	24th Middlesex,	10 00	1,000 00	1,010 00
Thomas Weston, Jr.,	Newton,	4th Middlesex,	20 00	1,000 00	1,020 00
Hartley L. White,	Braintree,	8th Norfolk,	30 00	1,000 00	1,030 00
Albert L. Whitman,	Quincy,	5th Suffolk,	20 00	1,000 00	1,020 00
Edgar H. Whitney,	Winthrop,	27th Suffolk,	20 00	1,000 00	1,020 00
George A. Whitney,	Clinton,	10th Worcester,	90 00	1,000 00	1,090 00
Waterman L. Williams,	Holden,	3d Worcester,	110 00	1,000 00	1,110 00
Alvin R. Wilson,	South Hadley,	3d Hampshire,	230 00	1,000 00	1,230 00
Herbert A. Wilson,	Boston,	25th Suffolk,	10 00	1,000 00	1,010 00
Walter E. Wolfe,	Auburn,	6th Worcester,	100 00	1,000 00	1,100 00
Isaac U. Wood,	Tall River,	9th Bristol,	110 00	1,000 00	1,110 00
William H. Woodhead,	North Adams,	2d Berkshire,	290 00	1,000 00	1,290 00
Harry C. Woodill,	Melrose,	22d Middlesex,	20 00	1,000 00	1,020 00
George M. Worrall,	Attleboro,	1st Bristol,	70 00	1,000 00	1,070 00
Benjamin Loring Young,	Newton,	13th Middlesex,	30 00	1,000 00	1,030 00
House compensation,			\$17,510 00	\$240,500 00	\$258,010 00
House travel,				\$240,500 00	\$258,010 00
				17,510 00	

1917.]

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 129, 130.

## DETAIL No. 129.

## CLERKS AND ASSISTANTS — SENATE AND HOUSE.

[Acts 1907, chap. 403; 1911, chap. 674; 1915, chap. 271; 1916, cc. 1, 277, 374.]

CLERKS.			
Henry D. Coolidge, Senate,		\$3,750 00	
James W. Kimball, House,		3,750 00	\$7,500 00
ASSISTANT CLERKS.			
William H. Sanger, Senate,		\$2,500 00	
Frank E. Bridgman, House,		2,500 00	5,000 00
CLERICAL ASSISTANCE.			
Senate:—			
Bernard L. Faine,	\$1,299 96		
Katharine E. Wiseman,	6 00	\$1,305 96	
House:—			
Karl H. Oliver,	\$915 50		
Clarence J. Smith, <sup>1</sup>	1,350 00		
Ernest G. Webb,	899 98	3,165 48	4,471 44
			\$16,971 44

## DETAIL No. 130.

## DOORKEEPERS, MESSENGERS, PAGES AND POSTMASTER.

[Revised Laws, chap. 10; Acts 1914, chap. 710; 1915, chaps. 1, 202, 369; 1916, chap. 1.]

SENATE.			
Doorkeepers.			
Luke K. Davis,	\$1,800 00		
Charles H. Johnson, assistant, to December 31,	116 67		
Charles O. Holt, assistant, from January 1,	1,283 33	\$3,200 00	
Messengers.			
Edward C. Cook,	\$1,200 00		
Arthur R. Driscoll,	1,200 00		
Willis W. Fairbanks,	1,200 00		
Charles O. Holt, to December 31,	100 00		
Francis A. Ireland,	1,200 00		
Benjamin H. Jellison,	1,200 00		
Enoch Pratt,	1,200 00		
Edwin S. Rollins, from January 1,	1,100 00		
Howard C. Rudderham,	1,200 00	9,600 00	
Pages.			
Allen MacD. Carlton,	Travel. Compensation.		
John P. Futrelle,	\$10 00 \$510 00		
George T. Taylor,	10 00 510 00		
Henry F. Welch,	90 00 510 00		
	10 00 510 00		
	\$120 00 \$2,040 00		
	120 00	2,160 00	\$14,960 00

<sup>1</sup> Received \$50 account of extra session.



## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 131.

DOORKEEPERS, MESSENGERS, PAGES AND POSTMASTER—*Concluded.*

House.				
Doorkeepers.				
James Beatty, .		\$1,800 00		
Francis Steele, assistant,		1,400 00		
			\$3,200 00	
Messengers.				
Patrick F. Brennan,		\$1,200 00		
Richard B. Brown,		1,200 00		
James O. Bush,		1,200 00		
James P. Clare,		1,200 00		
Nathaniel D. Curry,		1,200 00		
Thomas F. Frost,		1,200 00		
Henry P. Fernald,		1,200 00		
Arthur T. Galpin,		1,200 00		
Edmund J. Gill,		1,200 00		
Jacob B. Henry,		1,200 00		
Mark C. London,		1,200 00		
Ernest Saunders,		1,200 00		
Charles J. Tarbell,		1,200 00		
Horace S. Tower,		1,200 00		
Thomas H. Turtle,		1,200 00		
			18,000 00	
Pages.				
	Travel.	Compensation.		
Charles H. Boyce,	\$10 00	\$510 00		
Edward J. Burke,	210 00	510 00		
Austin T. Davis,	40 00	510 00		
Eugene P. Mellody,	110 00	510 00		
William A. Murphy,	70 00	510 00		
Edward J. Scott,	360 00	510 00		
Napier Scribner,	70 00	510 00		
Charles M. Stiller,	10 00	510 00		
	\$880 00	\$4,080 00		
		880 00		
			4,960 00	
POSTMASTER.				
Morris C. Jackson,				\$26,160 00
				1,400 00
RECAPITULATION.				
Doorkeepers and postmaster,		\$5,000 00		
Assistant doorkeepers and messengers,		30,400 00		
Pages, Senate and House,		6,120 00		
Pages' travel,		1,000 00		
			\$42,520 00	

## DETAIL No. 131.

## CHAPLAINS—SENATE AND HOUSE.

[Revised Laws, chap. 3; Acts 1913, chap. 450; 1916, chap. 1.]

Edward A. Horton, Senate, . . . . .	\$600 00
Daniel W. Waldron, House, . . . . .	600 00
	\$1,200 00

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 132.

## DETAIL No. 132.

## EXPENSES OF LEGISLATIVE COMMITTEES.

[Revised Laws, chap. 6, sects. 43, 44; Acts 1903, chap. 283; 1916, chap. 1.]

## JOINT STANDING COMMITTEES.

COMMITTEE ON—	Adver- tising.	Automo- biles and Car- riages.	Cigars.	Hotels.	Travel.	Totals.
Agriculture, . . . . .	\$90 83	—	\$10 50	\$44 00	\$52 14	\$197 47
Banks and banking, . . . . .	41 30	—	—	—	—	41 30
Cities, . . . . .	166 71	\$6 00	3 50	87 55	81 93	345 69
Counties, . . . . .	58 19	—	6 50	47 00	24 50	136 19
Constitutional amend- ments, . . . . .	19 80	—	—	—	—	19 80
Education, . . . . .	235 02	79 75	24 35	228 85	130 10	698 07
Election laws, . . . . .	229 04	—	—	—	—	229 04
Federal relations, . . . . .	67 37	—	—	—	—	67 37
Fisheries and game, . . . . .	99 63	—	—	—	—	99 63
Harbors and public lands, . . . . .	58 64	253 00	32 00	355 05	78 57	777 26
Insurance, . . . . .	125 78	—	—	—	—	125 78
Judiciary, . . . . .	260 30	—	—	28 00	—	288 30
Labor, . . . . .	158 63	—	—	—	—	158 63
Legal affairs, . . . . .	448 03	—	—	—	—	448 03
Mercantile affairs, . . . . .	518 47	—	—	—	—	518 47
Metropolitan affairs, . . . . .	155 43	179 50	7 00	—	—	341 93
Military affairs, . . . . .	5 58	72 50	7 00	22 00	—	107 08
Municipal finance, . . . . .	219 48	27 00	3 50	12 15	11 35	273 48
Public health, . . . . .	466 90	—	—	—	—	466 90
Public institutions, . . . . .	283 16	200 30	73 25	358 18	338 26	1,253 15
Public lighting, . . . . .	28 40	—	—	—	—	28 40
Public service, . . . . .	93 24	—	—	52 55	—	145 79
Railroads, . . . . .	255 12	—	—	—	—	255 12
Roads and bridges, . . . . .	133 21	51 50	8 00	100 00	33 61	326 32
Social welfare, . . . . .	292 61	—	—	43 20	—	335 81
State House and libraries, . . . . .	22 15	—	—	—	—	22 15
Street railways, . . . . .	205 73	50 00	4 00	64 70	9 71	334 14
Taxation, . . . . .	329 63	—	—	—	—	329 63
Towns, . . . . .	11 36	43 00	10 50	57 30	46 37	168 53
Water supply, . . . . .	48 80	14 75	16 90	214 80	117 85	413 10
Ways and means, . . . . .	83 74	—	—	—	—	83 74
	\$5,212 28	\$977 30	\$207 00	\$1,715 33	\$924 39	\$9,036 30

## SENATE STANDING COMMITTEE.

Rules:—	
William E. Dorman, services, . . . . .	\$1,865 00
Harry S. Fairfield, services, . . . . .	1,550 00
Others, . . . . .	22 00

3,437 00

## HOUSE STANDING COMMITTEES.

Pay roll:—	
Clarence J. Smith, services, . . . . .	\$100 00

<sup>1</sup> Includes \$8.90 for reporting a hearing.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 132.

EXPENSES OF LEGISLATIVE COMMITTEES — *Continued.*

Rules: —			
Henry C. Merwin, services,	\$2,100 00		
Paul D. Howard, services,	1,200 00		
John D. Wright, services,	1,200 00		
Edna C. Koonz, services,	875 00		
Reporting hearing on charges against Representative Harry C. Foster,	545 20		
Stationery, etc.,	46 31		
Others, services,	8 90		
Typewriter,	85 05		
		\$6,060 46	
			\$6,160 46
SPECIAL COMMITTEES.			
Centennial of Gen. Nathaniel P. Banks: —			
Automobiles,	\$25 00		
Hotels,	20 00		
		\$45 00	
Evacuation Day parade: —			
Carriages,	\$30 00		
Cigars,	3 50		
Hotels,	20 00		
		53 50	
Governor's message on consolidation of departments: —			
Advertising,	\$454 78		
Hotels,	28 90		
		483 68	
Redistricting: —			
William S. Kinney, legal services,	\$600 00		
Advertising,	29 18		
Printing maps, etc.,	287 98		
		917 16	
			1,499 34
MISCELLANEOUS EXPENSES.			
Postage (stamps for committees),		\$175 00	
Postage (stamped envelopes for advertising),		40 00	
Printing (stamped envelopes and newspaper lists),		72 62	
			287 62
SPECIAL SESSION.			
Senate committee on rules: —			
William E. Dorman, services,	\$50 00		
Harry S. Fairfield, services,	50 00		
		\$100 00	
House Standing Committees.			
Pay roll: —			
Clarence J. Smith, services,		50 00	
Rules: —			
Paul D. Howard, services,	\$50 00		
Henry C. Merwin, services,	25 00		
John D. Wright, services,	25 00		
		100 00	
			250 00
			\$20,670 72
RECAPITULATION.			
Salaries, etc.			
Senate standing committees,	\$3,437 00		
House standing committees,	6,029 10		
Special committees,	600 00		
Special session (all committees),	250 00		
		\$10,316 10	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 133, 134.

EXPENSES OF LEGISLATIVE COMMITTEES — *Concluded.*

Travel, etc.			
Joint standing committees,	\$3,824 02		
House standing committees,	131 36		
Special committees: —			
Automobiles and carriages,	\$55 00		
Cigars,	3 50		
Hotels,	68 90		
Printing,	287 98		
		415 38	
Miscellaneous expenses,		175 00	
			\$1,545 76
Advertising Hearings.			
Newspapers, joint standing committees,	\$5,212 28		
Newspapers, special committees,	483 96		
Postage,	40 00		
Printing,	72 62		
			5,808 86
			\$20,670 72

## DETAIL No. 133.

## FEES OF WITNESSES BEFORE COMMITTEES.

[Revised Laws, chap. 10; Acts 1916, chap. 1.]

House committee on rules: —			
Fees and travel of witnesses,			\$35 60
Service of summons (travel),			13 35
			\$48 95

## DETAIL No. 134.

## LEGISLATIVE PRINTING.

[Revised Laws, chaps. 6, 9; Acts 1916, chap. 1.]

SENATE PRINTING. <sup>1</sup>			
Calendar,		\$1,342 32	
Journal (daily),		3,141 51	
Journal (bound), 1,000 copies,		1,820 25	
Senate bills and documents,		5,185 97	
Reprints and extra copies,		797 82	
Index to Senate documents (500 copies),		63 97	
Night work,		3,331 00	
Sundry printing and binding,		207 95	
			\$15,890 79
HOUSE PRINTING. <sup>2</sup>			
Calendar,		\$1,383 82	
Daily lists,		633 93	
Journal (daily),		3,569 19	
Journal (bound), 1,000 copies,		2,035 20	

<sup>1</sup> Extra session printing, \$151.38, included.<sup>2</sup> Extra session printing, \$611.35, included.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 135.

LEGISLATIVE PRINTING — *Concluded.*

Journal (bound, extra session), 1,000 copies,	\$401 92	
Legislative diaries (700 copies),	957 03	
House bills and documents,	17,949 23	
Reprints and extra copies,	317 33	
Index to House documents (1,000 copies),	238 25	
Night work,	7,011 75	
Postage,	31 00	
Sundry printing and binding,	650 44	
List of Committees (2,700 copies),	113 25	
		\$35,202 84
MANUAL FOR THE GENERAL COURT.		
13,500 copies,		5,064 44
LEGISLATIVE BULLETIN.		
Printing bulletins, Nos. 1 to 36 (66,000 copies),	\$6,425 87	
A. M. Bridgman, services editing (including daily lists),	1,500 00	
		7,925 87
		\$64,173 44

## DETAIL No. 135.

## OTHER LEGISLATIVE EXPENSES.

[Revised Laws, chaps. 6, 10; Acts 1916, chap. 1.]

SENATE STATIONERY.		
Books, periodicals, etc.,	\$76 21	
Envelopes, paper, etc., including dies,	255 65	
Pens, pencils, and other office supplies,	123 64	
		\$455 50
HOUSE STATIONERY.		
Blank and record books, etc.,	\$187 77	
Envelopes and paper,	285 43	
Pens, pencils and holders,	171 64	
Postage,	15 09	
Other stationery and office supplies,	270 12	
		\$30 05
CONTINGENT. <sup>1</sup>		
Benjamin H. McKinley, assistant in document room,	\$850 00	
Frank H. Steele, assistant in document room,	457 50	
Levi H. Reavis, porter in house corridor,	900 00	
Temporary services in post office,	427 50	
Others and labor moving furniture,	128 00	
	\$2,763 00	
Books (Massachusetts reports, etc.),	160 60	
Brooms, dusters, cleaning materials, etc.,	144 57	
Cases,	120 00	
Document sticks and tapes,	390 00	
Drinking cups,	194 35	
Laundrying,	279 33	
Postage, stationery, etc.,	102 75	
Preserving the General Grant headquarters flag,	420 00	
Printing,	179 43	
Binding 357 volumes legislative documents and marking sets,	723 45	

<sup>1</sup> Extra session services, \$7.50, included.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 136.

OTHER LEGISLATIVE EXPENSES — *Concluded.*

Repairs:—		
Alterations and new cases in post office,	\$482 30	
Painting and refinishing legislative rooms,	380 25	
Refinishing, upholstering and repairing legislative furniture,	2,517 87	
Removing carbon on skylight and art glass,	100 00	
Miscellaneous,	109 35	
		\$3,589 77
Supplies:—		
Duck covering and rugs,	\$170 74	
Telephone booth,	60 00	
Miscellaneous (keys, hardware, etc.),	137 51	
		368 25
Soap, brushes and lavatory supplies,		300 96
Subscriptions to newspapers,		174 14
Sundries,		57 00
		\$9,967 60
		\$11,353 15

## DETAIL No. 136.

## EXTRA SESSION.

[Resolves 1916, chap. 166; Acts 1916, chap. 375.]

SENATE.		
Compensation:—		
President,	\$100 00	
Senators (39 at \$50 each), <sup>1</sup>	1,950 00	
		\$2,050 00
Travel,		306 00
		\$2,356 00
HOUSE.		
Compensation:—		
Speaker,	\$100 00	
Representatives (237 at \$50 each), <sup>2</sup>	11,850 00	
		\$11,950 00
Travel,		11,742 00
		13,692 00
CHAPLAINS, CLERKS, ETC.		
Senate:—		
Chaplain,	\$50 00	
Clerk,	50 00	
Assistant clerk,	50 00	
		\$150 00
House:—		
Chaplain,	\$50 00	
Clerk,	50 00	
Assistant clerk,	50 00	
		150 00
		300 00

<sup>1</sup> For names see Detail No. 127.<sup>2</sup> For names see Detail No. 123. Representatives Harry C. Foster and George P. Drury did not receive extra session pay.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 136.

## EXTRA SESSION — Concluded.

SERGEANT-AT-ARMS AND CERTAIN EMPLOYEES.		
Sergeant-at-arms, . . . . .	\$50 00	
Senate: —		
Doorkeeper, . . . . .	\$25 00	
Assistant doorkeeper, . . . . .	25 00	
Messengers (7 at \$25 each), . . . . .	175 00	
Pages (3 at \$25 each), . . . . .	75 00	
	300 00	
House: —		
Doorkeeper, . . . . .	\$25 00	
Assistant doorkeeper, . . . . .	25 00	
Messengers (15 at \$25 each), . . . . .	375 00	
Pages (8 at \$25 each), . . . . .	200 00	
	625 00	
Travel, meals, etc., of messengers and pages, . . . . .	179 60	
Postmaster, . . . . .	25 00	
	\$1,179 60	
	\$17,527 60	
SPECIAL STATEMENT OF EXTRA SESSION EXPENSES.		
Expenses, as per preceding detail (paid from special appropriation), . . . . .	\$17,527 60	
Expenses paid from regular annual appropriations: —		
Clerical assistance, House (see Detail No. 129), . . . . .	\$50 00	
Legislative committees expenses (see Detail No. 132), . . . . .	250 00	
Senate printing (see Detail No. 134), . . . . .	151 38	
House printing (see Detail No. 134), . . . . .	611 35	
Legislative contingent (see Detail No. 135), . . . . .	7 50	
Secretary's extra clerks (see Detail No. 176), . . . . .	18 37	
Sergeant-at-arms, telephones (see Detail No. 197), . . . . .	142 64	
	1,231 24	
Total expenses of extra session, . . . . .	\$18,758 84	
Total, Legislative Department, . . . . .	\$476,535 31	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 137, 138.

## SPECIAL LEGISLATIVE INVESTIGATIONS.

[Chapters for 1915 and 1916 refer to Special Acts except when chapter numbers are printed in italics.]

## DETAIL No. 137.

## COMMISSION ON UNIFORMITY OF LEGISLATION.

[Acts 1914, chaps. 381, 645.]

BOARD OF COMMISSIONERS.									
Hobbs R. Bailey, chairman,	}	Without compensation.							
Samuel Williston,									
Joseph F. O'Connell,									
EXPENSES.									
Conference expenses,	.	.	.	.	.	.	.	.	\$100 00
700 copies report,	.	.	.	.	.	.	.	.	19 77
Postage and printing,	.	.	.	.	.	.	.	.	13 73
Travel to conferences, etc.,	.	.	.	.	.	.	.	.	460 66
<hr/>									
									\$594 16
Expended 1910,	.	.	.	.	\$929 59				
Expended 1911,	.	.	.	.	597 79				
Expended 1912,	.	.	.	.	646 01				
Expended 1913,	.	.	.	.	172 79				
Expended 1914,	.	.	.	.	635 59				
Expended 1915,	.	.	.	.	707 69				
Expended 1916,	.	.	.	.	594 16				
					<hr/>				
					\$4,283 62				

## DETAIL No. 138.

## INVESTIGATION AS TO EDUCATION OF PERSONS WITH SERIOUSLY DEFECTIVE VISION (BY MASSACHUSETTS COMMISSION FOR THE BLIND).

[Resolves 1913, chap. 197; 1915, chap. 40; Acts 1913, chap. 820; 1915, chap. 347.]

Henry C. Greene, field worker, . . . . .		\$138 88
Others, services, . . . . .		46 01
Traveling expenses of workers, . . . . .		43 60
		\$228 49
Expended 1913, . . . . .	\$951 91	
Expended 1914, . . . . .	1,411 60	
Expended 1915, . . . . .	1,718 73	
Expended 1916, . . . . .	228 49	
	\$4,310 73	



## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 139, 140.

## DETAIL No. 139.

INVESTIGATION OF METHODS OF CONSERVING AND EQUALIZING THE FLOW OF  
WATERS IN THE RIVERS AND STREAMS OF THE COMMONWEALTH (BY THE  
COMMISSION ON WATERWAYS AND PUBLIC LANDS).

[Resolves 1914, chap. 95; 1915, chap. 113; Acts 1914, chap. 734; 1915, chap. 384; 1916, chap. 222.]

SERVICES.			
S. S. Kent, special assistant (civil engineer),	\$1,509 62		
Engineers and assistants (as per commission pay rolls),	3,008 42		
James C. White, services (investigations and editorial work),	750 00		
Services on special reports,	25 00		
Labor,	1,362 50		
		\$6,655 54	
EXPENSES.			
Blue prints, maps, books, etc.,	\$61 40		
Instruments, hardware, etc.,	153 68		
Postage, printing and stationery,	120 74		
Traveling expenses,	2,426 68		
		2,762 50	
UNITED STATES GEOLOGICAL SURVEY, CO-OPERATIVE WORK.			
Engineers and field assistants,	\$981 63		
Gage readers,	454 05		
Clerk,	215 00		
Traveling expenses,	572 31		
Supplies, hardware, etc.,	56 41		
		2,279 40	
		\$11,697 44	
Expended 1914,	\$2,513 72		
Expended 1915,	1,657 70		
Expended 1916,	11,697 44		
	\$15,868 86		

## DETAIL No. 140.

COMMISSION TO REPORT UNIFORM METHODS AND PROCEDURE FOR TAKING  
LAND FOR PUBLIC PURPOSES.

[Resolves 1914, chap. 100; 1915, chap. 96; Acts 1914, chap. 734; 1915, chap. 369.]

COMMISSIONERS.			
Tax Commissioner,	}	Without compensation.	
Attorney-General,			
Chairman of the Homestead Com- mission,			
EXPENSES.			
Cornelius A. Parker, secretary,			\$225 00
Stenographic services,			33 45
			\$258 45
Expended 1914,	\$1,128 37		
Expended 1915,	2,350 75		
Expended 1916,	258 45		
	<hr/>		
	\$3,737 57		

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 141, 142.

## DETAIL No. 141.

BOARD TO REPORT UPON PRACTICABILITY OF PROVIDING MILITARY EDUCATION  
FOR BOYS AND OF CREATING A MILITIA RESERVE.

[Resolves 1915, chap. 81; Acts 1915, chap. 369.]

	BOARD.		
William A. Green,	.	.	
Charles W. Lyons,	.	.	
Alexander Meiklejohn,	.	.	
J. Frank O'Hare,	.	.	
Robert L. Raymond,	.	.	Without compensation.
Harold D. Sweet,	.	.	
William A. Pew, <sup>1</sup>	.	.	
William Stopford, <sup>1</sup>	.	.	
John J. Sullivan, <sup>1</sup>	.	.	
EXPENSES.			
Clerical, stenographic and other services,	.	.	\$205 31
Advertising,	.	.	50 98
Postage, printing and stationery,	.	.	62 37
2,500 copies report,	.	.	350 15
Traveling expenses,	.	.	16 50
			\$685 31
Expended 1915,	.	\$287 30	
Expended 1916,	.	685 31	
		\$972 61	

## DETAIL No. 142.

## COMMISSION TO REVISE AND CODIFY THE LAWS RELATING TO HIGHWAYS.

[Resolves 1915, chap. 95; Acts 1915, chap. 369; 1916, chap. 367.]

COMMISSION.			
Massachusetts Highway Commission.	} County Commissioners.		
Warren Goodale,			
Moody Kimball,			
Charles C. Spellman,			
John E. Swift.			
EXPENSES.			
Paul D. Howard, clerk,			\$900 00
Stenographic services,			288 83
Postage, printing and stationery,			122 82
Traveling expenses in investigations:—			
In Massachusetts,		\$383 42	
In New York,		251 35	
In Maine, New Hampshire and Vermont,		650 65	
In Rhode Island and Connecticut,		99 65	
			1,385 07
Expended 1915,	\$100 00		\$2,696 72
Expended 1916,	2,696 72		
	<u>\$2,796 72</u>		

<sup>1</sup> Officers of the Militia.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 143, 144.

## DETAIL No. 143.

INVESTIGATION AS TO ADVISABILITY, PRACTICABILITY AND APPROXIMATE COST OF PROVIDING CONTINUOUS WATERWAY BETWEEN TAUNTON RIVER AND CITY OF BROCKTON (BY HARBOR AND LAND COMMISSION).

[Resolves 1915, chap. 103; Acts 1915, chap. 369.]

Pay roll, engineers, . . . . .		\$1,999 25
Travel, etc., . . . . .		46 47
		\$2,039 72
Expended 1915, . . . . .	\$2,350 00	
Expended 1916, . . . . .	2,039 72	
	\$4,389 72	

## DETAIL No. 144.

COMMISSION TO INVESTIGATE THE LAWS RELATIVE TO TAXATION.

[Resolves 1915, chap. 134; Acts 1915, chap. 384; 1916, chap. 250.]

COMMISSION.		
Nathan A. Tufts, chairman, . . . . .	On part of Senate.	\$500 00
Henry G. Wells, . . . . .		500 00
George P. Drury, . . . . .		500 00
Frederick B. Felton, . . . . .	On part of House.	500 00
Allison G. Catheron, . . . . .		500 00
William M. McMorow, . . . . .		500 00
Frederick D. Fuller, . . . . .	Appointed by Governor.	500 00
Walter H. Creamer, . . . . .		500 00
		\$4,000 00
EXPENSES.		
John D. Wright, clerk, . . . . .		\$500 00
Joseph E. Perry, legal services on statistics, . . . . .		200 00
Clerical and stenographic services, . . . . .		69 23
Postage, printing and stationery, . . . . .		40 93
2,500 copies report, . . . . .		321 89
Traveling expenses, . . . . .		154 02
		1,286 07
		\$5,286 07
Expended 1915, . . . . .	\$4,964 60	
Expended 1916, . . . . .	5,286 07	
	\$10,250 67	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 145.

## DETAIL No. 145.

COMMISSION TO INVESTIGATE AS TO TERMINAL FACILITIES, ETC., IN THE METROPOLITAN DISTRICT.

[Resolves 1915, chap. 144; Acts 1915, chap. 382.]

COMMISSIONERS.		
Appointed from the Senate: —		
James F. Cavanagh, chairman, . . . . .		
Martin Hays, . . . . .		
Appointed from the House: —		
Herbert A. Wilson, . . . . .		
Fred P. Greenwood, . . . . .		
Robert Robinson, . . . . .		
Appointed by the Governor: —		
Charles M. Spofford, . . . . .		
Luke D. Mullen, . . . . .		
Appointed by the mayor of Boston: —		
Frederick H. Prince, . . . . .		
William H. Coolidge, . . . . .		
	Without compensation.	
EXPENSES FROM ORDINARY REVENUE.		
One-half of expenses paid in 1915 (charged to Terminal Commissioners' fund), . . . . .	\$2,363 40	
One-half of expenses paid in 1916 (see statement of analyzed expenditures below), . . . . .	2,100 00	\$4,463 40
EXPENSES FROM SPECIAL ASSESSMENTS.		
One-half of expenses paid in 1916 (see statement of analyzed expenditures following), . . . . .		2,099 98
Statement of Analyzed Expenditures.		
Edward J. Dunn, secretary, . . . . .	\$1,700 00	
J. B. Babcock, engineering services, . . . . .	675 00	
Stenographic services, . . . . .	671 64	
Expert services, . . . . .	87 50	
	\$3,134 14	
Clippings, maps, photographs, etc., . . . . .	\$68 26	
Multigraphing, . . . . .	321 72	
Postage, printing and stationery, . . . . .	302 50	
Travel (visiting Montreal), . . . . .	314 31	
Sundries, . . . . .	59 05	
	1,065 84	
Paid from ordinary revenue, . . . . .	\$2,100 00	\$4,199 98
Paid from special assessments, . . . . .	2,099 98	
	\$4,199 98	
Expended 1915, . . . . .	\$4,726 81	
Expended 1916, . . . . .	4,199 98	
	\$8,926 79	
Total paid by State, . . . . .	\$4,463 40	
Total paid by city of Boston (see Detail No. 82), . . . . .	4,463 39	
	\$8,926 79	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 146-149

## DETAIL No. 146.

## COMMISSION TO CONSIDER QUESTIONS OF MONOPOLY AND RATES IN INSURANCE

[Resolves 1914, chap. 160; Acts 1914, chap. 796.]

COMMISSIONERS.		
Insurance Commissioner,	}	Without compensation.
William J. Montgomery,		
Thomas P. Riley,		
EXPENSES.		
Rent of office,		
Subscription to commercial bulletin,		
Expended 1914,	\$85 40	
Expended 1915,	3,643 52	
Expended 1916,	76 61	
	<hr/>	
	\$3,805 62	

## DETAIL No. 147.

## INVESTIGATION OF NON-PULMONARY TUBERCULOSIS CASES, ETC. (BY THE STATE DEPARTMENT OF HEALTH.

[Resolves 1916, chap. 62; Acts 1916, chap. 353.]

Services of clerks,	\$268 83
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## DETAIL No. 148.

## INVESTIGATION AS TO FACILITIES FOR SPECIAL TRAINING FOR INJURED PERSONS (BY THE BOARD OF EDUCATION).

[Resolves 1916, chap. 75; Acts 1916, chap. 353.]

Stenographic services,	\$10 75
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## DETAIL No. 149.

## DETERMINATION OF COST OF ACQUIRING A TRACT OF LAND IN GAY HEAD FOR A STATE RESERVATION (BY THE COMMISSION ON WATERWAYS AND PUBLIC LANDS).

[Resolves 1916, chap. 76; Acts 1916, chap. 353.]

Engineering services (as per pay rolls),	\$283 50
Traveling expenses,	163 44
	\$446 94

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 150-152.

## DETAIL No. 150.

## COMMISSION TO REVISE AND CODIFY THE LAWS RELATIVE TO PARTITIONS OF REAL ESTATE AND ALLIED MATTERS.

[Resolves 1916, chap. 81; Acts 1916, chap. 353.]

COMMISSION.		
Charles T. Davis.		
Frederick H. Chamberlain.		
Guy Newhall.		
EXPENSES.		
Postage and printing,		\$27 85

## DETAIL No. 151.

## INVESTIGATION AS TO PRACTICABILITY AND ADVISABILITY OF ESTABLISHING A STATE RESERVATION AT PURGATORY CHASM, IN THE TOWN OF SUTTON (BY THE STATE FOREST COMMISSION).

[Resolves 1916, chap. 85; Acts 1916, chap. 353.]

Services,	\$41 54
Photographs and travel,	57 36
	\$98 90

## DETAIL No. 152.

## BOARD TO INVESTIGATE THE MATTER OF ESTABLISHING A STATE CONSTABULARY OR POLICE FORCE WHICH WOULD RELIEVE THE MILITIA OF POLICE DUTY.

[Resolves 1916, chap. 92; Acts 1916, chap. 353.]

BOARD.		
Walter A. Green,	} Without compensation.	
D. Chauncey Brewer,		
Russell B. Lowe,		
EXPENSES.		
Robert T. Brady, services,		\$320 00
Printing and stationery,		20 12
		\$340 12

[Jan.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 153-155.

## DETAIL No. 153.

COMMISSION TO INVESTIGATE THE USE OF HABIT-FORMING DRUGS AND THE  
EFFECTIVENESS OF THE LAWS PERTAINING THERETO.

[Resolves 1916, chap. 112; Acts 1916, chap. 367.]

COMMISSION.		
Frank G. Wheatley, .	} Without compensation.	
Hermann C. Lythgoe,		
Abraham C. Webber,		
EXPENSES.		
Mary F. Sheehan, clerical services,		\$201 29
Advertising,		21 78
Postage, printing and stationery,		58 72
		\$281 79

## DETAIL No. 154.

COMMISSION TO INVESTIGATE AGRICULTURAL EDUCATION AT THE MASSACHU-  
SETTS AGRICULTURAL COLLEGE, ETC.

[Resolves 1916, chap. 106; Acts 1916, chap. 367.]

COMMISSION.		
Supervisor of Administration.		
Commissioner of Education.		
L. Clark Seelye.		
William F. Whiting.		
Warren C. Jewett.		
EXPENSES.		
Warren E. Bencoter, services, .		\$386 67
Katherine R. Walsh, stenographer, .		162 49
Postage, printing and stationery, .		84 63
Traveling expenses, .		116 58
		<b>\$750 37</b>

## DETAIL No. 155.

INVESTIGATION OF DISABILITY RETIREMENT ALLOWANCE FOR PUBLIC SCHOOL  
TEACHERS (BY THE TEACHERS' RETIREMENT BOARD).

[Resolves 1916, chap. 152; Acts 1916, chap. 374.]

Travel and other expenses, .		<b>\$38 33</b>
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[1917.]

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 156, 157.

## DETAIL No. 156.

## RECESS COMMITTEE ON BUILDING LAWS.

[Legislative Order; Acts 1916, chap. 374.]

COMPENSATION OF MEMBERS.			
Clarence W. Hobbs, Jr., chairman, .	Senate.	\$750 00	
James R. Tetler, .		750 00	
James P. Timilty, .		750 00	
George D. Chamberlain, .		750 00	
Charles H. Annis, .	House.	750 00	
Jacob Bitzer, .		750 00	
Frederic F. Clauss, .		750 00	
John Halliwell, .		750 00	
George J. Wall, .		750 00	\$6,750 00
EXPENSES.			
Richard T. Howard, clerk, .		\$750 00	
Advertising, .		150 87	
Clerical services, .		246 00	
Postage and stationery, .		109 28	
Printing, .		329 83	
Traveling expenses, .		339 16	
			<b>1,925 14</b>
			<b>\$8,675 14</b>

## DETAIL No. 157.

RECESS COMMITTEE ON WORKMEN'S COMPENSATION INSURANCE RATES AND  
ACCIDENT PREVENTION.

[Legislative Order; Acts 1916, chap. 374.]

COMPENSATION OF MEMBERS.			
James H. Cavanagh, chairman, .	Senate.	\$750 00	
George H. Jackson, .		750 00	
John F. Sheehan, .		750 00	
William W. Kennard, .		750 00	
Essex S. Abbott, .	House.	750 00	
John G. Faxon, .		750 00	
Robert F. Kent, .		750 00	
William H. Sullivan, .		750 00	
Charles F. Garrity, .		750 00	\$6,750 00
EXPENSES.			
Grover C. Hoyt, clerk, .		\$750 00	
Clerical services, .		135 00	
Postage, printing and stationery, .		120 16	
Traveling expenses, .		1,736 83	
			<b>2,741 99</b>
			<b>\$9,491 99</b>



## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 158, 159.

## DETAIL No. 158.

## COMMISSION ON SOCIAL INSURANCE.

[Resolves 1916, chap. 157; Acts 1916, chap. 374.]

COMPENSATION OF MEMBERS.			
Frank S. Farnsworth, chair- man,	} On part of Senate.	\$750 00	
Walter E. McLane,		750 00	
Allison G. Catheron,		750 00	
Eden K. Bowser,	} On part of House.	750 00	
Harry C. Woodill,		750 00	
Edward G. Morris,		750 00	
Wendell P. Thoré,	} Appointed by Governor.	750 00	
John P. Meade,		750 00	
Edna L. Spencer,		750 00	
			\$6,750 00
EXPENSES.			
John D. Wright, clerk,		\$750 00	
William W. Walcott, services (employee, Department of Health),		583 33	
Advertising,		253 21	
Clerical services,		341 16	
Postage,		184 33	
Printing,		59 21	
Stationery, etc.,		124 17	
Traveling expenses,		795 22	
			3,090 00
			\$9,840 00

## DETAIL No. 159.

## COMMISSION TO INVESTIGATE THE FINANCIAL CONDITION OF THE BOSTON ELECTRIC RAILWAY COMPANY.

[Resolves 1916, chap. 158; Acts 1916, chap. 374.]

COMPENSATION OF MEMBERS.										
The Lieutenant-Governor,	}	Without compensation.								
The President of the Senate,										
The Speaker of the House,										
Public Service Commission,										
Boston Transit Commission,										
Charles W. Eldridge,	}	Senate.	}	\$750	00					
Sanford Bates,		750		00						
Victor F. Jewett,		750		00						
Arthur N. Newhall,	}	House.	}	750	00					
Charles S. Lawler,		750		00						
John L. Donovan,		750		00						
					\$4,500 00					
EXPENSES.										
Advertising,	.	.	.	.	.	.	.	\$14	18	39 18
Clerical services,	.	.	.	.	.	.	.	25	00	
									\$4,539 18	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 160, 161.

## DETAIL No. 160.

## NEW YORK, NEW HAVEN &amp; HARTFORD RAILROAD CAPITALIZATION.

[Acts 1915, chap. 383.]

EXPERT SERVICES.			
Robert Rantoul, investigating holdings, capital expenditures, receipts, etc.,		\$2,340 00	
Traveling expenses,		91 54	
			\$2,431 54
James Walker, accounting,		\$240 00	
Traveling expenses,		119 53	
			359 53
Arthur H. Weed, legal,		\$680 00	
Traveling and other expenses,		80 00	
			760 00
EXPENSES.			
Clerical services,	\$100 00		
Reporting hearings,	397 36		
Typewriting reports,	779 85		
		\$1,277 21	
Stationery, etc.,		50 50	
Traveling expenses,		105 61	
			1,433 32
Total expenses from special assessments,			\$4,984 39
Expended 1915,	\$610 67		
Expended 1916,	4,984 30		
		\$5,595 06	

## DETAIL No. 161.

## LYNN SEWAGE DISPOSAL.

[Resolves 1914, chap. 63; 1915, chap. 7.]

City of Lynn, engineer's department, plans, etc.,		\$120 55	
C. H. Dodd, designing sewage pumping station,		516 00	
Engineering services,		683 00	
Clerical services,		83 33	
Travel, etc.,		48 54	
Total expenses from special assessments,			\$1,451 42
Expended 1915,	\$1,013 85		
Expended 1916,	1,451 42		
		\$2,465 27	
Total, Special Legislative Investigations,			\$71,372 54
Paid from ordinary revenue,	\$62,836 75		
Paid from special assessments,	8,535 79		
		\$71,372 54	

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAILS 194, 195

## DETAIL No. 194.

## MASSACHUSETTS STATE FIREMEN'S ASSOCIATION.

[Acts 1906, chap. 171; 1916, chap. 38.]

Treasurer of the association for the firemen's relief fund,	\$15,000 00
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## DETAIL No. 195.

## PAYMENTS TO FAMILIES OF FIREMEN KILLED OR FATALY INJURED WHILE IN THE DISCHARGE OF THEIR DUTIES.

[Revised Laws, chap. 32, sect. 77; Acts 1916, chap. 31.]

George H. Butler — Annie A. Butler, administratrix,	\$1,000 00
Michael Kenney — Sarah Kenney, administratrix, Res.	1,000 00
1916, chap. 27,	
William H. Kerwin — Josephine A. Kerwin, administratrix,	1,000 00
John J. Manning — Margaret M. Manning, administratrix,	1,000 00
Albert R. Mee — Mary Therese Mee, administratrix,	1,000 00
Dennis A. Walsh — Mary A. Walsh, administratrix,	1,000 00
Charles C. Willett — Helen T. Willett, administratrix,	1,000 00
	\$7,000 00
Total, Civil Service and Pensions,	\$235,136 60
Total, Executive and General Administration,	\$1,098,328 33
Paid from ordinary revenue,	\$1,085,439 95
Paid from special receipts,	2,731 16
Paid from special assessments,	10,157 22
	\$1,098,328 33

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 196.

## SERGEANT-AT-ARMS' DEPARTMENT.

[Citations for 1915 and 1916 refer to Special Acts except when chapter numbers are printed in italics.]

## DETAIL No. 196.

## SALARIES.

[Revised Laws, chap. 10; Acts 1916, chaps. 75, 367.]

SERGEANT-AT-ARMS.		
Thomas F. Pedrick,		\$3,500 00
FIRST CLERK.		
Adelbert M. Mossman,		2,200 00
ADDITIONAL CLERKS.		
[Acts 1914, chap. 710.]		
Frank W. Cole,	\$1,500 00	
Harold L. Pedrick,	1,400 00	2,900 00
CASHIER.		
[Acts 1911, chap. 60.]		
Ellen M. Burrill,		1,304 30
ENGINEER'S DEPARTMENT.		
[Acts 1914, chap. 667; 1916, chaps. 252, 254, 267.]		
Chief Engineer.		
Fred H. Kimball,	\$2,600 00	
Assistant Engineers.		
Louis E. Blackmar,	\$1,351 62	
George A. McKendry,	1,351 62	
Peter Phoney,	1,351 62	
Chauncey G. Whitchee,	1,351 62	5,406 48
Electricians.		
Louis E. Danton,	\$1,300 00	
Chauncey W. Burr,	1,200 00	
Roy E. Kimball, from March 1,	825 00	
Albert H. Allison, helper, from March 1,	629 30	3,954 30
Elevator Operators.		
William J. Allison, superintendent,	\$1,200 00	
Clinton N. Berry,	1,100 00	
Patrick M. Brock, from October 10,	156 72	
Franklin E. Campbell,	1,100 00	
James A. Crowley, from March 1,	825 00	
Leonard A. Harris, from April 1,	733 33	
Charles W. Hatch,	1,100 00	

[Jan.

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 424.

EDUCATION OF AND AID TO THE DEAF, DUMB AND BLIND—*Concluded.*

Perkins Institution and Massachusetts School for the Blind:—		
Instructors' services, . . . . .	\$1,774 76	
Instructors' travel, services, guides, clerks, etc., . . . . .	2,184 60	
	\$3,959 36	
Recapitulation, Massachusetts Commission for the Blind:—		\$7,137 40
Administration, . . . . .	\$18,468 89	
Industrial and educational aid, . . . . .	15,741 34	
Maintenance of industries, . . . . .	37,000 00	
Instruction of adult blind at home, . . . . .	3,178 04	
	\$74,388 27	
EDUCATION OF DEAF PUPILS.		
[Revised Laws, chap. 39; Acts 1916, chap. 204.]		
American School for the Deaf, . . . . .	\$14,285 97	
Clarke School for the Deaf, . . . . .	47,834 95	
Boston School for the Deaf, . . . . .	44,190 00	
Horace Mann School for the Deaf, . . . . .	18,095 25	
Perkins Institution and Massachusetts School for the Blind, . . . . .	700 00	
Sarah Fuller Home, . . . . .	2,320 70	
Clothing, books, etc., . . . . .	432 60	
Traveling expenses, . . . . .	2,564 25	
		130,423 72
GRATUITIES.		
[Resolves 1869, chap. 19; 1916, chap. 22; Acts 1916, chaps. 204, 307.]		
Perkins Institution and Massachusetts School for the Blind, . . . . .	\$30,000 00	
New England Industrial School for Deaf Mutes, . . . . .	3,500 00	
		\$3,500 00
		\$242,271 83

DETAIL No. 424.

## STATE LIBRARY.

[Acts 1910, chap. 421; 1916, chaps. 14, 112, 307.]

LIBRARIAN.		
Charles F. D. Belden, . . . . .		\$4,000 00
CLERKS AND MESSENGERS.		
Louis A. Phillips, . . . . .	\$1,750 00	
Annie G. Hopkins, . . . . .	1,000 00	
James F. Munroe, . . . . .	1,000 00	
Susy A. Dickinson, . . . . .	900 00	
Jennie W. Foster, . . . . .	900 00	
Sara E. Noyes, . . . . .	900 00	
William L. Kiernan, to September 15, . . . . .	791 67	
William R. Griffin, . . . . .	780 00	

[1917.]

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 425.

STATE LIBRARY—*Concluded.*

Archer Trusty, . . . . .	\$780 00	
Charles Merrill, to September 15, . . . . .	665 00	
Alfred A. Vestergard, from February 15, . . . . .	657 50	
Harriet M. Bosworth, . . . . .	600 00	
John E. Reese, . . . . .	600 00	
Joseph L. Knowlton, . . . . .	167 50	
Ruth G. Hedden, . . . . .	150 00	
Others, . . . . .	584 91	
		\$12,226 58
CONTINGENT.		
Books and clippings, . . . . .	\$81 70	
Catalogue cards, . . . . .	211 14	
Expressage, . . . . .	265 08	
Expenses of delegate to convention, . . . . .	32 52	
Extra clerical services (lettering books, etc.), . . . . .	602 34	
Index cards, guides, etc., . . . . .	186 30	
Printing, . . . . .	250 52	
1,750 copies report, . . . . .	241 15	
Stationery and office supplies, . . . . .	74 46	
	428 56	
		2,373 77
PURCHASE AND CARE OF BOOKS.		
Books, directories, magazines, etc., . . . . .	\$6,025 68	
Binding, . . . . .	1,815 36	
Clerical services, cataloguing, . . . . .	389 33	
		8,230 37
CARD CATALOGUE FOR PUBLIC USE.		
Services, cataloguing:—		
Frances E. Coe, . . . . .	\$1,500 00	
Marguerite F. Knapp, . . . . .	660 00	
Edis A. Combe, . . . . .	650 00	
Joseph L. Knowlton, . . . . .	617 50	
Margaret V. Sullivan, . . . . .	600 00	
Ruth G. Hedden, . . . . .	522 50	
Kenneth R. Eisnor, . . . . .	480 00	
Louise M. Taylor, . . . . .	455 00	
Grace G. Davis, . . . . .	331 00	
Harriet M. Bosworth, . . . . .	300 00	
All others, . . . . .	1,482 66	
		7,598 66
		\$34,429 38

DETAIL No. 425.

## FREE PUBLIC LIBRARY COMMISSION.

[Revised Laws, chap. 38; Acts 1910, chap. 396; 1913, chap. 668; 1914, chaps. 373, 522; 1916, chaps. 103, 367.]

COMMISSIONERS.		
Charles F. D. Belden, chairman, . . . . .	Without compensation.	
Anna M. Bancroft, . . . . .		
Frank H. Howes, . . . . .		
Elizabeth P. Sohler, . . . . .		
Eller C. Wellman, . . . . .		

## STATEMENT IV.

Expenses for 1916 in Detail.

DETAIL 432.

## DETAIL No. 432.

## GRATUITIES.

[Acts 1916, chaps. 307, 353, 367.]

Stuart Farquhar, Resolves 1916, chapter 134,		
John W. Flannery, Resolves 1916, chapter 41,		\$245 97
Old South Association, Resolves 1878, chapter 26,		2,500 00
Orange, Town of, Resolves 1916, chapter 84,		10,000 00
Virgil C. Pond and Annie W. Pond Crocker, Resolves		427 99
1916, chapter 29,		
Mary L. Spelman, Resolves 1916, chapter 20,		226 07
Certain male employees at Reformatory for Women,		29 14
Resolves 1916, chapter 118,		
Certain unexamined applicants for registration in medi-		2,526 72
cine reimbursed, Resolves 1916, chapter 38,		
Under Resolves 1916, chapter 44:—		473 29
Ayer, . . . . .	\$125 00	
Shirley, . . . . .	41 67	
West Boylston, . . . . .	125 00	
		291 67
		\$16,729 76
Total, Miscellaneous, . . . . .		\$63,169 07

## STATEMENT IV.

Expenses for 1915 in Detail.

DETAIL 433.

## METROPOLITAN DISTRICT FUNDS.

[Citations for 1915 and 1916 refer to Special Acts except when chapter numbers are printed in italics.]

## DETAIL No. 433.

## CHARLES RIVER BASIN.

[Acts 1903, chap. 465; 1906, chap. 402; 1913, chap. 539.]

SINKING.		
Transfer from special assessments to Charles River Basin loan sinking fund (see Detail No. 515),		\$15,916 80
INTEREST.		
On loan, . . . . .	\$154,132 50	
On temporary loans, . . . . .	4,335 39	
		158,467 89
From special receipts:—		
Accrued interest on bonds sold, . . . . .	\$194 44	
Interest on average cash balance, . . . . .	4,575 14	
	\$4,769 58	
Less interest on cash advances, . . . . .	1,634 20	
	\$3,235 38	
From special assessments, . . . . .	155,232 51	
	\$158,467 89	
SERIAL BONDS.		
Bonds matured, Jan. 1, 1916 (from special assessments),		9,000 00
LOAN.		
Contracts.		
Archdeacon & Sullivan, building service shed, etc.,	\$11,264 80	
Bowe Contracting Company, grading and surfacing, . . . . .	15,519 70	
		\$26,784 50
Expenses.		
William S. Spaulding and Dudley L. Pickman, 1,675.65 square feet of land, . . . . .	\$28,942 50	
John C. Kiley, appraising land, . . . . .	100 00	
William D. Austin, architect, . . . . .	786 97	
Guy Lowell, architect, . . . . .	234 10	
Asphalt, etc., . . . . .	1,914 50	
Catch-basin frames and grates, . . . . .	442 80	
Expert services, . . . . .	83 67	
Pay rolls, engineering department, . . . . .	1,173 57	
Pay rolls, mechanics, laborers, etc., . . . . .	258 75	
Pay rolls, teaming, . . . . .	78 00	
Seeds, . . . . .	167 92	
Sundry repairs, etc., labor and materials, . . . . .	102 11	
Travel, . . . . .	72 65	
Sundries, . . . . .	83 13	
		34,440 67
From bond issues, . . . . .		61,225 17