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Boston City Messenger

DOCUMENTS  
OF THE  
CITY OF BOSTON,  
FOR THE YEAR 1895.

IN FOUR VOLUMES.

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VOLUME II.  
CONTAINING DOCUMENTS FROM NO. 22 TO NO. 40, INCLUSIVE.

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BOSTON  
MAY 10 1896

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ANNUAL REPORT  
OF THE  
MARKET DEPARTMENT,  
FOR THE YEAR 1894.

OFFICE OF SUPERINTENDENT OF MARKETS,  
BOSTON, February 12, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

DEAR SIR: In conformity to Chapter 3, Section 22, of the Revised Ordinances I herewith submit the annual report for the Department of Markets, ending January 31, 1895:

The work of the department during the year has been of the regular routine nature.

That part of the buildings used for market purposes is in good repair. Many alterations and repairs which are an improvement to the property have been made, the expense for which has been incurred by the lessees.

The rents have been promptly paid, the regulations and ordinances for the government of the market have been cheerfully complied with, and the reputation of the market for honorable dealing has been well sustained.

The question of providing a better system of drainage for the markets, which has been urged for several years, and for which an appropriation of \$10,000 was made in 1894, is being forwarded under the direction of the Superintendent of Public Buildings, and will, when completed, remove the annoyances to which the department has been subjected in the matter of drainage.

During the year I have condemned and ordered to be destroyed, as being unfit to be used for food, 905 lbs. poultry, 339 lbs. veal, 83 rabbits, 2 barrels mackerel, and 400 lbs. of other kinds of fish, besides large quantities of fruit and vegetables which have been sent to the dumping-scow.

The Market Police have made one hundred and thirty-six (136) arrests for various offences, as follows: drunkenness, 47; larceny, 41; assault and battery, 18; embezzlement, 8; removing refuse from barrels, 7; obtaining goods under false pretences, 6; using profane language, 4; breaking and entering, 2; picking pockets, selling tainted poultry and tainted fish. 1 each, — making a total of 136 arrests.

The question of providing room for market gardeners should receive the early attention of the City Council. Since the opening of the markets accommodations have been given the farmer to bring his merchandise to the market and have a place assigned him for the sale of the same. About the year 1850 the number of farmers had so increased that they were obliged to take places outside the market limits, and then ranged their wagons along Commercial street from State to Richmond streets, and on State street from Commercial street to Merchants row. The business carried on at these locations so changed that some five or six years ago the farmers were forced to look elsewhere for accommodations, and ranged themselves on State street, between Commercial street and Atlantic avenue, occupying the centre of the street, and leaving room on either side for two wagons to pass one another. This arrangement has provided room for about 200 farmers' wagons.

I understand, however, that during the latter part of the season of 1894 some opposition was manifested to this arrangement by business men on State street. For three or four days each week during the busy season of the year (say from the middle of June until the first of October) we have frequently from 350 to 450 farmers occupying stands for the sale of the products of the farm. Unless some place can be provided for them they will be obliged to find other means of disposing of their produce, which would be a great injury to our citizens, as prices would of necessity be much higher than if they could have the privilege of selling their goods as they have always enjoyed. I am of the opinion that it would be for the interests of all that some provision should be made in this direction, and, if necessary so to do, the City Council should give them the privilege of standing on some of the streets adjacent to the market limits. If this were done, and the farmers placed under proper police regulations, I feel satisfied that any annoyance



they may have caused in the past would be avoided, and the parties doing business on the street where they were located would be benefited rather than injured by these parties having the privilege of standing their wagons for the sale of their farm products.

The income from the Department of Markets for the year 1894 has been as follows :

From rents of stalls and cellars in F. H. Market . . . . .	\$65,296 00
From rents of stalls and cellars in New F. H. Market . . . . .	18,211 00
From outside stands F. H. Market . . . . .	1,407 00
From weighing fees F. H. Market . . . . .	658 22
 Total income . . . . .	 <u>\$85,572 22</u>

The appropriation for the department for year 1894 was \$12,450, and was expended as follows :

Salary of Superintendent . . . . .	\$3,000 00
Salary of Deputy Superintendent . . . . .	1,500 00
Salary of four (4) market police . . . . .	4,393 08
Salary of weigher at city scales . . . . .	1,000 00
Salary of messenger . . . . .	900 00
Special police . . . . .	144 94
Gas and electric light . . . . .	821 91
Sundry small expenses . . . . .	684 41
 Total expense . . . . .	 <u>\$12,444 34</u>
Balance unexpended . . . . .	5 66
	 <u>\$12,450 00</u>

The property in the department belonging to the city is : Electric light wire and fittings in Faneuil Hall and New Faneuil Hall markets, cost, \$1,672; one Morse safe, \$150; one Howard watch clock, \$200; one watch clock, \$50; two roll-top desks and one roll case, \$125; two clothes presses, \$30; scales, weights, etc., \$125; book-case, carpets, stoves, chairs, and small supplies, \$100, — making a total of \$2,452.

Respectfully submitted,

GEORGE E. MCKAY,  
*Superintendent of Markets.*





ANNUAL REPORT  
OF THE  
MOUNT HOPE CEMETERY DEPARTMENT,  
FOR THE YEAR 1894.

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: The Board of Trustees of Mount Hope Cemetery Department respectfully submit the following report of the department for the year 1894 and January 1895, inclusive:

There was no balance in the treasury on the thirty-first day of January, 1894.

The income of the Perpetual Care Fund for the year 1894 was \$1,731.01.

The regular appropriation for the general fund was \$10,000.

The revenue derived from the cemetery for the financial year commencing on February 1, 1894, and ending January 31, 1895, was \$22,209.70, making the total amount for expenditures under the regulations of the Trustees, \$33,940.71.

WORK PERFORMED IN THE CEMETERY IN 1894.

In addition to the usual work necessary for the care of lots and the grounds, there have been 9,224 square feet of land prepared for lots and single graves, the ground thus prepared being divided into 14 lots and 156 single graves. All available time has been devoted to improving the condi-

tion of the avenues. Walnut avenue was raised and stoned its entire length; in all 3,425 linear feet of avenues repaired and gutters and wells constructed on same. There were 160 monuments and tablets erected during the year; 61 lots were loamed and seeded. There are 50 lots for sale, ranging in size from 80 to 300 square feet, and 80 single graves

An event of much importance in the development of the cemetery was the laying out of an extensive lot presented to the Grand Lodge of Masons by one of its members. The lot adjoins the Consistory lot, on each of which is an imposing monument. Twenty-one lots were sold, for which \$5,190 was received, this amount including perpetual care. There were 1,902 interments in the cemetery during the year.

In private lots . . . . .	249
In Cypress Vale and Maple Grove . . . . .	117
Deposited in receiving tomb . . . . .	28
In city lot, section C (free) . . . . .	631
In city lot, sections B and D . . . . .	679
In Pine Grove . . . . .	198
	<hr/>
Total . . . . .	1,902

#### RECEIPTS IN 1893 AND JANUARY, 1894.

Balance on hand February 1, 1893 . . . . .	\$5,075 86
Appropriation for General Fund . . . . .	10,000 00
Income of Perpetual Care Fund . . . . .	1,554 00
For sale of lots . . . . .	7,480 00
Digging graves . . . . .	6,036 50
Care of lots . . . . .	1,377 71
Foundations . . . . .	1,477 00
Use of receiving tomb . . . . .	695 00
Flowers . . . . .	83 25
Grassing and sodding lots . . . . .	129 50
Sundry objects . . . . .	2,470 82
Graves sold . . . . .	3,228 00
Special transfer to balance . . . . .	391 67
	<hr/>
Total . . . . .	<u>\$39,999 31</u>

#### RECEIPTS FOR 1894 AND JANUARY, 1895.

Appropriation for General Fund . . . . .	\$10,000 00
Income of Perpetual Care Fund . . . . .	1,731 01
For sale of lots . . . . .	6,315 66

For digging graves . . . . .	\$7,034 00
“ care of lots . . . . .	1,789 00
“ foundations . . . . .	1,316 15
“ use of receiving tomb . . . . .	485 50
“ plants . . . . .	125 00
“ grassing and sodding lots . . . . .	263 00
“ graves sold . . . . .	3,414 00
“ sundries . . . . .	1,467 39
	<hr/>
Total . . . . .	<u>\$33,940 71</u>

## JANUARY, 1894.

Charles A. Belford, salary and sundries . . . . .	\$214 42
Jas. H. Morton, salary . . . . .	166 67
Gilbride & Grey, seeds . . . . .	176 01
G. M. Winslow & Co., coal . . . . .	260 00
English Veg. Food Co., for horses, . . . . .	150 00
F. P. Flanders, clerical services . . . . .	150 00
Samuel Hobbs & Co., stationery . . . . .	105 11
John Emerson, carpenter work . . . . .	87 75
W. P. Whittemore, grain . . . . .	75 70
N. E. Telephone Co. . . . .	54 00
F. D. Rideout, salary as secretary, . . . . .	33 33
A. S. Parker - Weeks, carriage work . . . . .	28 75
Otis Eddy, lumber . . . . .	22 80
Thomas Mayo, hardware . . . . .	22 16
Waldo Bros., cement . . . . .	12 50
Printing Department . . . . .	12 26
Mechanics' Iron Foundry Co., iron work . . . . .	10 00
J. D. Fallon, landau . . . . .	8 00
G. Baker & Co., coal . . . . .	5 75
Rockwell & Churchill, printing . . . . .	6 18
	<hr/>
	\$1,601 39

## FEBRUARY, 1894.

Charles A. Belford, salary and sundries . . . . .	\$197 66
James H. Morton, salary . . . . .	166 67
J. H. Cronin, numbering markers, . . . . .	154 68
W. P. Whittemore, grain . . . . .	81 77
Boston Water-Works, water tax . . . . .	71 50
Gilbridge & Grey, seeds . . . . .	70 10

W. L. Robinson, manure . . . . .	\$70 00	
John Emerson, carpenter work . . . . .	39 00	
F. P. Flanders, clerical services . . . . .	36 25	
J. F. Frisbie, paint . . . . .	33 51	
F. D. Rideout, salary . . . . .	33 33	
A. S. Parker-Weeks, blacksmith work . . . . .	24 25	
Waldo Bros., cement . . . . .	12 50	
Rockwell & Churchill, printing . . . . .	5 05	
Belle O'Brien, clerical services . . . . .	5 00	
Dillingham's Express . . . . .	5 00	
McBarron & Co., hardware . . . . .	2 83	
	<hr/>	\$1,009 10

## MARCH, 1894.

Charles A. Belford, salary and sun- dries . . . . .	\$211 66	
James H. Morton, salary . . . . .	166 66	
W. P. Whittemore, grain . . . . .	118 10	
Samuel Hobbs & Co., books and stationery . . . . .	80 22	
John Emerson, carpenter work . . . . .	58 50	
Thos. A. Taylor, manure . . . . .	56 00	
Thos. Mayo, hardware, etc. . . . .	55 78	
W. L. Robinson, manure . . . . .	42 00	
A. S. Parker-Weeks, blacksmith work . . . . .	40 50	
F. D. Rideout, salary . . . . .	33 33	
A. H. Hews & Co., flower-pots . . . . .	17 50	
J. M. Fallon, plumbing . . . . .	11 81	
H. Whittington & Co., harness goods . . . . .	4 00	
	<hr/>	896 06

## APRIL, 1894.

Charles A. Belford, salary and sun- dries . . . . .	\$205 92	
James H. Morton, salary . . . . .	166 67	
W. P. Whittemore, grain . . . . .	104 43	
James Doonan, manure . . . . .	96 00	
McGrath Bros., stone posts for lots . . . . .	58 00	
N.E. Tel. and Tel. Co. . . . .	54 00	
F. D. Rideout, salary . . . . .	33 33	
C. W. Fleming, harness repairs . . . . .	19 25	

H. Whittington & Co., harness goods . . . . .	\$13 25
G. Baker & Co, coal . . . . .	10 00
Dillingham's Express . . . . .	2 00
	<hr/>

\$762 85

## MAY, 1894.

Charles A. Belford, salary and sundries . . . . .	\$200 42
James H. Morton, salary . . . . .	166 67
Galvin Bros., plants . . . . .	115 00
Hingham Dairy Assoc., manure . . . . .	89 25
John Emerson, carpenter work . . . . .	65 00
John Riddle, carriage repairs . . . . .	64 85
W. P. Whittemore, grain . . . . .	59 41
McBarron & Co., hardware . . . . .	49 62
Samuel Hobbs & Co., books and stationery . . . . .	45 85
F. D. Rideout, salary . . . . .	33 33
A. H. Hews & Co., flower-pots . . . . .	25 50
J. J. McNutt, boxes . . . . .	16 50
Printing department, printing . . . . .	10 18
J. F. Frisbie, paint . . . . .	8 48
Weeks & Potter Co., soap, etc. . . . .	7 00
H. Whittington & Co., harness goods . . . . .	6 00
Dillingham's Express . . . . .	2 80
Rockwell & Churchill, printing . . . . .	2 10
	<hr/>

967 96

## JUNE, 1894.

Charles A. Belford, salary and sundries . . . . .	\$199 57
James H. Morton, salary . . . . .	166 67
Chas. E. Hall & Co., grave-markers, . . . . .	392 40
John Riddle, repairing tip-carts and water-carts . . . . .	234 75
W. P. Whittemore, grain . . . . .	182 07
Westville Manuf'g Co., fertilizer . . . . .	108 00
F. P. Flanders, clerical services . . . . .	37 78
C. W. Fleming, harness work . . . . .	37 35
F. D. Rideout salary . . . . .	33 33
J. M. Fallon, plumbing . . . . .	20 16
Printing department, printing . . . . .	14 13
P. Gormley, teaming . . . . .	6 50
	<hr/>

1,432 71

## JULY, 1894.

Charles A. Belford, salary and sundries . . . . .	\$215 02	
James H. Morton, salary . . . . .	166 67	
McGrath Bros., stone posts for lots, . . . . .	360 00	
Joseph W. Grigg, grave-covers . . . . .	174 00	
Boston Belting Company, hose . . . . .	122 00	
W. P. Whittemore, grain . . . . .	96 27	
Hingham Dairy Assoc., manure . . . . .	84 00	
Otis Eddy, lumber . . . . .	68 19	
W. L. Robinson, carpenter work, . . . . .	58 50	
F. D. Rideout, salary . . . . .	33 33	
L. A. Hall, Jr., clerical services . . . . .	31 00	
Thomas Mayo, hardware, etc. . . . .	21 87	
Samuel Hobbs & Co., stationery, etc. . . . .	17 40	
Trustees Forest Hills Cemetery, grave-covers . . . . .	4 00	
Weeks & Potter Co., soap, etc. . . . .	3 35	
H. Whittington & Co., harness goods . . . . .	2 50	
McBarron & Co., hardware . . . . .	25	
	<hr/>	\$1,458 35

## AUGUST, 1894.

Charles A. Belford, salary and sundries . . . . .	\$200 82	
James H. Morton, salary . . . . .	166 67	
Gilbride & Grey, tools, seeds, etc., . . . . .	281 35	
Otis Eddy, lumber . . . . .	88 41	
W. L. Robinson, carpenter work, . . . . .	84 50	
F. D. Rideout, salary . . . . .	33 33	
	<hr/>	855 08

## SEPTEMBER, 1894.

Charles A. Belford, salary and sundries . . . . .	\$209 47	
James H. Morton, salary . . . . .	166 67	
John Riddle, repairing and painting carts . . . . .	110 00	
W. L. Robinson, carpenter work . . . . .	91 00	
F. D. Rideout, salary . . . . .	33 33	
	<hr/>	610 47



## OCTOBER, 1894.

Charles A. Belford, salary and sundries . . . . .	\$205 89	
James H. Morton, salary . . . . .	166 66	
John Riddle, new tip-cart . . . . .	110 00	
G. M. Winslow & Co., coal . . . . .	52 00	
W. L. Robinson, carpenter work . . . . .	48 75	
F. D. Rideout, salary . . . . .	33 33	
	<hr/>	\$616 63

## NOVEMBER, 1894.

Charles A. Belford, salary and sundries . . . . .	\$211 21	
James H. Morton, salary . . . . .	166 66	
John Riddle, new body and painting on cart . . . . .	62 75	
W. L. Robinson, carpenter work . . . . .	58 50	
N.E. Tel. and Tel. Co. . . . .	54 00	
Otis Eddy, lumber . . . . .	43 02	
F. D. Rideout, salary . . . . .	33 33	
Waldo Bros., cement . . . . .	18 00	
Dillingham's Express . . . . .	9 30	
Weeks & Potter Co., soap . . . . .	3 24	
John A. Maier, repairing safe . . . . .	3 00	
H. Whittington & Co., harness goods . . . . .	3 00	
	<hr/>	666 01

Pay-roll week ending Feb. 1 . . . . .	\$303 50	
" " " " " 8 . . . . .	294 50	
" " " " " 15 . . . . .	300 00	
" " " " " 22 . . . . .	278 75	
	<hr/>	\$1,176 75
" " " " March 1 . . . . .	\$275 00	
" " " " " 8 . . . . .	296 50	
" " " " " 15 . . . . .	294 25	
" " " " " 22 . . . . .	293 00	
	<hr/>	1,158 75
" " " " March 29 . . . . .	\$294 50	
" " " " April 5 . . . . .	303 50	
" " " " " 12 . . . . .	309 75	
" " " " " 19 . . . . .	311 25	
" " " " " 26 . . . . .	303 75	
	<hr/>	1,522 75
" " " " May 3 . . . . .	\$322 50	
" " " " " 10 . . . . .	464 50	
" " " " " 17 . . . . .	590 50	
" " " " " 24 . . . . .	695 50	
	<hr/>	2,073 00

Pay-roll week ending	May	31	.	.	.	.	\$661 00	
" " " "	June	7	.	.	.	.	755 50	
" " " "	"	14	.	.	.	.	716 00	
" " " "	"	21	.	.	.	.	731 00	
" " " "	"	28	.	.	.	.	785 00	\$3,648 50
							<hr/>	
" " " "	July	5	.	.	.	.	\$771 00	
" " " "	"	12	.	.	.	.	784 50	
" " " "	"	19	.	.	.	.	775 00	
" " " "	"	26	.	.	.	.	595 00	2,925 50
							<hr/>	
" " " "	Aug.	2	.	.	.	.	\$608 00	
" " " "	"	9	.	.	.	.	496 00	
" " " "	"	16	.	.	.	.	497 75	
" " " "	"	23	.	.	.	.	529 25	2,131 00
							<hr/>	
" " " "	Aug.	30	.	.	.	.	\$517 00	
" " " "	Sept.	6	.	.	.	.	434 75	
" " " "	"	13	.	.	.	.	394 50	
" " " "	"	20	.	.	.	.	365 25	1,711 50
							<hr/>	
" " " "	Sept.	27	.	.	.	.	\$416 50	
" " " "	Oct.	4	.	.	.	.	387 00	
" " " "	"	11	.	.	.	.	363 50	
" " " "	"	18	.	.	.	.	341 75	
" " " "	"	25	.	.	.	.	374 50	1,883 25
							<hr/>	
" " " "	Nov.	1	.	.	.	.	\$277 25	
" " " "	"	8	.	.	.	.	258 00	
" " " "	"	15	.	.	.	.	238 25	
" " " "	"	22	.	.	.	.	301 00	1,074 50
							<hr/>	
" " " "	Nov.	29	.	.	.	.	\$250 00	
" " " "	Dec.	6	.	.	.	.	275 00	
" " " "	"	13	.	.	.	.	261 00	
" " " "	"	20	.	.	.	.	286 00	
" " " "	"	27	.	.	.	.	246 00	1,318 00
							<hr/>	
" " " "	Jan.	3	.	.	.	.	\$314 37	
" " " "	"	10	.	.	.	.	253 00	
" " " "	"	17	.	.	.	.	243 00	
" " " "	"	24	.	.	.	.	680 21	1,490 58
							<hr/>	
Total	.	.	.	.	.	.	\$22,114 08	
							<hr/>	

Total amount of pay-rolls	.	.	.	.	\$22,114 08
" " " salaries	.	.	.	.	4,770 28
" " " bills	.	.	.	.	6,106 33

\$32,990 69

Receipts . . . . .	\$33,940 71
Expenditures . . . . .	32,990 69
	<hr/>
Balance on hand January 31, 1895 . . . . .	<u>\$950 02</u>

Respectfully submitted,

LEFORREST A. HALL,  
*Chairman.*

AUGUSTINE H. READ,  
JOHN TAYLOR,  
EDWD. N. CAPEN,  
*Trustees.*





ANNUAL REPORT  
 OF THE  
 OVERSEEING OF THE POOR  
 DEPARTMENT,  
 FOR THE YEAR 1894.

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston;*

SIR: The Board of Overseers of the Poor herewith present their thirty-first annual report of the present series, covering the year from February 1, 1894, to January 31, 1895.

EXPENSE OF THE DEPARTMENT.

Our drafts upon the city treasury during the year ending January 31, 1895, amounted to . . . . .	\$135,634 64
Sundry receipts paid over to City Collector . . . . .	12,544 62
<hr/>	
Leaving the net charge to the city for the department for the year . . . . .	\$123,090 02
<hr/>	
Amount collected by us for care in City Hospital of State paupers, and those belonging elsewhere than in Boston, and paid over to the trustees of the City Hospital . . . . .	\$45,455 94

## STATISTICS OF CASES AIDED.

The number of families assisted by us in the year was 4,289, an increase of 458 families over the previous year. Of these, 283 families resided in other cities and towns, but had retained their settlement in this city; and we received payment for aid rendered to 275 families residing in Boston, whose legal settlement was elsewhere.

The number of new cases aided during the year was 1,215, a decrease of 231 from the year previous. The total number of cases dealt with since 1864 by our Board is 31,500.

The number of official visits made by our visitors during the year was 20,528. In addition, 1,603 visits were made by three physicians in the employ of the Board.

## FAMILIES AIDED DURING THE YEAR ENDING JANUARY 31, 1895.

- 2,068 having settlements here, aided directly from this office, or by agents in the outlying districts.
- 283 having settlements here, aided in other cities and towns through the Overseers of the Poor of those places.
- 585 families, of which the man is unsettled, the wife and children having a settlement here.
- 275 residing here, having settlements in other cities and towns, which refund amount of relief granted.
- 840 unsettled cases, aided on account of the State.
- 238 non-settlement cases, temporarily aided.

---

4,289 families, representing about 12,867 persons.

## NUMBER OF FAMILIES AIDED IN EACH MONTH OF THE PAST TWO YEARS.

1893. Feb.,	1,492 families.	1894. Feb.,	2,358 families.
March,	1,368	March,	2,102
April,	1,111	April,	1,459
May,	985	May,	1,124
June,	966	June,	1,108
July,	1,018	July,	1,163
Aug.,	1,004	Aug.,	1,130
Sept.,	1,031	Sept.,	1,116
Oct.,	1,140	Oct.,	1,267
Nov.,	1,216	Nov.,	1,301
Dec.,	1,866	Dec.,	1,737
1894. Jan.,	2,400	1895. Jan.,	1,950

ANALYSIS OF AID GIVEN DURING THE YEAR.

WARDS.	Number of Families aided.	Amount of Aid given.	Population by Census of 1890.
1 .....	123	\$1,811 18	19,633
2 .....	129	1,814 83	17,297
3 .....	168	3,187 89	13,094
4 .....	150	2,823 56	12,842
5 .....	165	2,954 38	12,412
6 .....	247	2,578 78	18,447
7 .....	176	1,476 26	13,145
8 .....	171	2,463 34	13,026
9 .....	109	1,863 73	12,660
10 .....	17	361 14	8,205
11 .....	55	1,087 52	21,660
12 .....	213	3,594 88	12,585
13 .....	370	5,845 14	22,375
14 .....	192	3,434 07	26,367
15 .....	104	2,793 18	18,049
16 .....	253	3,885 40	18,048
17 .....	166	3,182 47	15,638
18 .....	92	2,573 15	16,035
19 .....	358	8,258 23	23,016
20 .....	277	5,605 61	24,335
21 .....	49	1,762 40	22,930
22 .....	196	5,203 22	20,011
23 .....	85	3,125 72	24,997
24 .....	62	2,053 39	29,638
25 .....	54	1,621 55	12,032
Living out of city, but aided directly by us.....	25	1,076 93	
Living out of city, and aided through officers of other towns or cities .....	283	8 183 80	
Totals.....	4,289	84,621 75	448,477

DISTRICTS.	Number of Families aided.	Amount of Aid given.	Population by Census of 1890.
East Boston .....	252	\$3,626 01	36,930
Charlestown .....	483	8,965 83	38,348
City Proper, comprising Wards 6, 7, 8, 9, 10, 11, 12, 16, 17, and 18.....	1,499	23,066 67	149,449
South Boston, Wards 13, 14, and 15 .....	666	12,072 39	66,791
Roxbury, Wards 19, 20, 21, and 22 .....	880	20,829 46	90,292
Dorchester, Ward 24.....	62	2,053 39	29,638
West Roxbury, Ward 23....	85	3,125 72	24,997
Brighton, Ward 25.....	54	1,621 55	12,032
Totals.....	3,981	75,361 02	448,477

To the sum of \$84,621.75, given directly to the poor, should be added the sum of \$4,426.84 paid for burials, the sum of \$5,752.77 paid for support of the Temporary Home, and the further sum of \$8,294.04 paid for support of the Lodge for Wayfarers; making a total of \$103,095.40 actually paid out by the Overseers of the Poor from the tax levy for the direct relief of the poor. The Board also disbursed as trustees the further sum of \$34,125 to the various pensioners and beneficiaries adjudged worthy and falling within the provisions of the trusts, not including \$2,000 for the Trust Fund wood-yard.

#### IMPROVED CONDITION OF THE POOR.

It is pleasant to be able to record the fact that there has been much less suffering among the poor this winter than last winter. Our visitors all agree that there are few cases of great destitution and little actual suffering for want of food. The statistics given elsewhere show that the number of families applying and aided have largely decreased, although we have not yet got back to the figures of two years ago.

Our figures from month to month show a continuous increase over the previous year till December, 1894, when the first decrease appeared; 129 less families being aided that month than in December, 1893. In January, 1895, came a still larger decrease, 450 less families being aided than in January, 1894.

The number of new applications for aid fell off largely in the two months of December and January this winter, there being only 270 new cases in these two months, as against 850 in the same months last winter, or a decrease of 65 per cent. in the number of new applications.

After the hard times of 1873, it was about ten years before we got back to the normal state of things, but the stress of last year was so largely artificial and so much increased by factitious causes, the most potent of which was the great amount of newspaper advertising, that we anticipate a much quicker recovery than if the distress had been more real in its nature. We therefore hope that the coming year will witness a return to nearly normal conditions.

#### THE WORK TEST.

The Board has continued to demand work of all able-bodied male applicants in return for groceries and coal furnished their families. The number of men working in this way has increased largely during the last two years, owing



presumably to the hard times and consequent scarcity of employment.

	1892.	1893.	1894.
Number of men who worked for aid given . . . . .	207	723	1,130
Number of days' work actually performed . . . . .	1,057	3,899	7,161
Number of men receiving work-cards who did not present them for work . . . . .	67	206	199

#### WAYFARERS' LODGE AND WOOD-YARD.

The Wayfarers' Lodge was established by the Board some sixteen years ago, with the intention of doing away with the tramp evil in Boston, so far as possible. Prior to that time the tramps who came to Boston were allowed to sleep in station-houses, and were turned adrift in the morning without having had any opportunity to labor or in any way recompense the city for their accommodation. It was hoped that all the tramps coming to Boston would be cared for by the Wayfarers' Lodge. Gradually, however, the police got into the habit again of receiving tramp lodgers at the station-houses. A larger number were taken in each year, until in the winter of 1893-94 the police actually harbored a larger number of tramps than the Wayfarers' Lodge. This was felt to be a great mistake and a grievous hardship to the community, besides greatly encouraging the tramp in his evil ways. Early in the winter conferences were had between the Board of Police and your Board, with the result that on December 11, 1894, the police discontinued the lodging of tramps save in a few exceptional cases. On our part the lodge was kept open until half-past two o'clock in the morning, instead of closing at 10 o'clock in the evening as heretofore. The results have been remarkable. A large increase in the number of tramps put up by the Wayfarers' Lodge might well have been expected, inasmuch as the police averaged a hundred or more lodgers in the station-houses every night during the previous winter, and had already begun to put up a large number nightly this winter. Nevertheless, the number of lodgers accommodated by us not only showed no increase immediately upon the adoption of the new rule, but has never shown any increase, and our reports prove that we are actually receiving a smaller number of men than a year ago.

What has become of the large number of tramps who seem suddenly to have disappeared from Boston? The answer is a simple one. Finding that if they came to Boston they

must take a bath, and perform a certain amount of work in return for their night's lodging and breakfast, they have preferred to remain in the adjoining towns, where the police stations or town authorities will give them the essentials of existence without calling upon them for any equivalent. The records of neighboring towns show that a large increase in the number of tramps asking for lodging begun on the very day after the new regulations went into force in Boston.

It is understood that the Legislature is considering the passage of an act for the compulsory establishment of institutions, similar to the Wayfarers' Lodge, in all the cities and large towns of the Commonwealth. We hope that such legislation will be had, and that the tramp, finding that to come to Massachusetts means to go to work, will avoid the State altogether, and thus we will be permanently rid of a useless and dangerous class of sojourners.

#### STATISTICS OF THE WAYFARERS' LODGE.

Total number of meals furnished during the year,	74,568
Total number of lodgers during the year . . . . .	32,508

The birthplaces of these lodgers were as follows :

America . . . . .	16,585
Ireland . . . . .	9,495
England . . . . .	2,529
British Provinces . . . . .	927
Scotland . . . . .	1,438
Other countries . . . . .	1,534
	<hr/>
	32,508

		Lodgers.			Meals.
1894.	February	. 2,917	1894.	February	. 6,923
	March	. 3,208		March	. 7,150
	April	. 3,169		April	. 6,464
	May	. 2,862		May	. 5,896
	June	. 2,333		June	. 5,724
	July	. 2,098		July	. 5,458
	August	. 2,009		August	. 5,158
	September	. 2,473		September	. 5,584
	October	. 2,595		October	. 5,824
	November	. 2,829		November	. 6,043
	December	. 2,953		December	. 6,667
1895.	January	. 3,062	1895.	January	. 7,677

CIVIL SERVICE EXAMINATION.

Last spring the Board voted to employ an additional visitor on full time, and a special examination of candidates for the position was held by the Civil Service Commission. The names of the two who passed were certified to the Board, and Mr. John F. Cleary, who stood first on the list, was unanimously elected to the position, and he went to work as a visitor on probation October 1, 1894.

TEMPORARY HOME FOR WOMEN AND CHILDREN.

The committee in charge of the Home have prepared the following report, dealing at length with matters of great importance in the management of this branch of our work :

*Statistics for Year ending January 31, 1895.*

1,320 women admitted 2,982 times,  
 Of whom 624 were habitual inmates.  
 " " 696 came for first time.  
 583 children admitted 811 times,  
 Of whom 362 came with mothers.  
 " " 89 were lost children.  
 " " 28 " foundlings.  
 " " 19 " born in the Home.  
 " " 85 came in various ways.

Temporary cases :

787 women admitted once only, or 787 times,  
 Of whom 501 had never been admitted before.  
 " " 286 had been previously admitted.

Permanent cases :

533 women admitted 2,195 times,  
 Of whom 123 were new cases this year.  
 " " 410 were old cases.

408 women out of the 1,320 known to have been in prison or almshouse or both.

912 women not known to have been in prison or almshouse.

356 places secured at domestic service by Industrial Aid Society.

100 places secured at domestic service by Temporary Home.

6,327 meals given to 1,110 women and 70 children, in outside relief.

476 of these women had been inmates.

48 of these women had over 25 meals each.

The Manual of the Overseers of the Poor for 1866 makes the following statement: "This house is not intended for the accommodation of any person who, from any cause, is entirely destitute or unable to earn a living, and must become a recipient of the charity of the public, but for granting such temporary shelter and food as may be needed

by persons who require such assistance while endeavoring to procure employment or find friends." And again, in the Rules for the Government of the Home, approved by the City Council: "It is not to be understood that all persons applying will be lodged and fed. A just discrimination will be exercised, and the general purpose is to provide temporary relief only to deserving persons, after such inquiry and investigation as the circumstances of each case will admit."

It was evident to your committee, upon first entering on its work, that the Home, while affording a temporary asylum to some hundreds of women and children each year, had also become the resort of an increasing number of women of the pauper and criminal class, who felt that they possessed an inherent right to enter it at any time.

This condition of things was the natural result of several causes: First, that no sufficient system of coöperation exists between this Home and other city institutions, whereby, through interchange of records, the women who pass out from them may be known when they enter here, — a thing absolutely necessary for the securing of satisfactory results. Second, that the work provided for the women has not been sufficient to serve as a real labor test. Third, that no satisfactory plan has been adopted, until recently, for securing places at domestic service, and receiving reports of the same. Last, the laudable desire on the part of faithful and kind-hearted matrons, to receive and strive to help all the women who come to their doors.

As a first step toward intelligent discrimination, the report of 1893 called attention to the fact that the records were for the first time kept on cards, so that the history of each woman, with details of her comings and goings, and the situations she has found and lost, might appear in one place by itself, and be studied with a view to classification. This year a further step has been taken, and by the work of our clerk, through the courtesy of the Commissioners of Public Institutions, and the matron of the House of Detention, much information has been obtained from their records and added to ours. We have also, through the constant and efficient help of the Industrial Aid Society, been enabled to obtain places for an unusual number of our women, and have received reports in each case. Some have been placed five and six times, and one woman twelve times.

With these new sources of information, we are now able to understand about the women who pass through this house, as we have never done before. We find, as the figures at the beginning of this report show, that at least 408 inmates of this year have a pauper and criminal record, that many

of them are of reckless and undisciplined character, and habitual drunkards, and that these are among our most permanent inmates.

The Home affords a post of observation, as it were, from which we see a constantly increasing number of women who go the rounds from almshouse to prison and back again, each time more hardened, more lazy and inefficient than before. These wanderers, who have no homes of their own, no background of good inheritance or public opinion to hold them to good standards of living, need every possible moral and physical aid to give them strength and vigor. The chance for free lodgings, as often and for as long as they desire, takes away the necessity of working for their living, which is of great value to most of us as an incentive to effort. In fact, the lazy freedom of their lives makes the temptations most difficult for them to withstand the very ones which are well-nigh irresistible.

We feel it worth while, therefore, to take the following records from our cards as typical of the lives of many of these women. They show how easy it is on coming up to the city from the institutions on the islands to get back to old companions, to drink, to fall into evil ways in cheap lodging-houses, and, when money is spent, to come to the Home for a time; to get places and lose them and return to the Home, to repeat the same thing again and again, and then drift back to the institutions after a few weeks of wretched experiences.

#### *Typical Cases.*

A. Sixty-one years old, entered Home in 1882, and admitted 108 times since. Entered Almshouse in 1882, and admitted 15 times since, making total of 1,181 days. Arrested 8 times, and has two aliases. Her record on our cards is as follows:

Date.	Entered	Came from	Stayed at Home	Went to	Stayed away from Home	Remarks.
1893.						
Feb. 6,	Home,	Brighton street,	1 day,	Rainsford I'd	6 weeks.	
Feb. 7,	A. H.,	.....	.....	.....	.....	Stayed six weeks.
April 3,	Home,	Almshouse,	7 days,	Not stated,	4 days.	
April 14,	"	West Falmouth,	5 "	"	8 "	
April 27,	"	N. E. Home,	11 "	Domestic service. Court st.,	5 "	
May 7,	"	From place,	1 day,	Not stated,	16 "	
May 24,	"	Not stated,	.....	" "	1 day,	Refused, drinking.
May 25,	"	Cambridge st.,	1 day,	" "	1 month.	
June 22,	"	Franklin,	2 days,	" "	5 days.	
June 29,	"	Jamaica Plain,	1 day,	" "	16 "	
July 16,	"	Second street,	2 days,	" "	1 month.	
Aug. 15,	"	Endicott street,	4 "	" "	1 day.	
Aug. 20,	"	Jamaica Plain,	2 "	" "	6 weeks.	
Oct. 3,	"	Stillman street,	25 "	A. H.,	5 "	
Oct. 28,	A. H.,	.....	.....	.....	.....	Stayed 44 days. Discharged Dec 11, 1893.
Dec. 11,	Home,	Almshouse,	8 days,	Arrested,	1 day.	
Dec. 19,	H. of D.,	.....	.....	.....	.....	Released.
Dec. 20,	Home,	H. of Detention,	1 day,	C. A. H.,	4 months.	
Dec. 21,	C. A. H.,	.....	.....	.....	.....	Discharged April 3, 1894.
1894.						
April 3,	Home,	Almshouse,	10 days,	Almshouse,	17 days.	
April 13,	A. H.,	.....	.....	.....	.....	May 1, 1894, Discharged.
May 1,	Home,	Almshouse,	3 days,	.....	1 month,	Had been drinking.
June 6,	"	South Boston,	9 "	To place,	26 days.	
July 10,	"	Ruggles street,	2 "	Not stated,	2 "	
July 14,	"	Waltham,	16 "	" "	1 day.	
July 31,	"	Stillman street,	5 "	" "	5 days.	
Aug. 10,	"	Medford, Mass.,	8 "	Arrested,		
Aug. 18,	H. of D.,	.....	.....	.....	.....	Released.
Sept. 10,	A. H.,	.....	.....	.....	.....	No discharge given.
Oct. 24,	Home,	Almshouse,	1 day,	Almshouse,	Has not returned yet.	

*B.* Fifty years old. Strong, hard drinker, immoral, three aliases. Admitted 44 times to Home, 1873-94; admitted twice to Almshouse, 1889-94; admitted 48 times to House of Industry before 1887; admitted 16 times to House of Industry since 1887; admitted once to House of Correction. Has a daughter of 20 years who has been at Marcella-street Home and in Almshouse and Home.

*C.* Twenty-five years old. Mentally dull. Father, mother, and brothers have been in city institutions. In charge of city herself as a child. Single, with two children, both in Marcella-street Home. Admitted to Home 11 times, 1888-94; admitted to Almshouse 8 times, 1886-94; total of 935 days.

It seems quite clear that the greater number of such women, when not in search of work and beyond the possibility of temporary help, are a constant source of danger to those who are trying to do well. We are now empowered by a vote of the Board of Overseers, of December, 1894, "to refuse unworthy applicants," and intend, therefore, to exclude them in the future, so far as practicable.

To this end we have secured the coöperation of the Police Commissioners and of the woman probation officer at the House of Detention, who has lately found our records of great use

It is greatly to be deplored that Boston provides no place for the younger women of this class, especially those with babies in their arms, where work and training and firm but kind teaching can hold them under restraint for indeterminate periods, and let them out into the world again only when, if not actively helpful, they can at least cease to do injury to others and to add so heavy a load to the prospects of the next generation.

We would call attention to the fact that we have no fitting arrangements for cases of serious illness, though we have been obliged to receive 19 confinement cases during the year, some of them of a very serious character, and we trust that physicians and others will use their influence so far as possible to prevent the necessity for this use of the Home.

#### THE ROXBURY FIRE.

On the afternoon of May 15, 1894, a fire swept over a large portion of that part of Roxbury near the Providence Railroad. A large number of dwelling-houses and tenement buildings were destroyed, and many poor people were rendered homeless. The work of providing for the sufferers was at once undertaken by the Board, who felt it to be their

duty to see that everything needful was done for their unfortunate fellow-citizens.

A canvass of the district was made that night by the visitors, who were at work till a late hour in the neighborhood. A committee was appointed by the Board, to whom was given entire charge of the fire relief, with full powers. A conference was had with the Mayor, and with his full sanction the Overseers' committee undertook to supply the wants of all the families who were burned out.

A force of regular visitors and temporary assistants were put to work. Tenements were procured, and a month's rent guaranteed or paid in advance, a limit of \$10 per month being made. Furniture and crockery were also provided, thus setting up the families in housekeeping again. The estimated expense of the rent and of setting up each family averaged a little more than \$50.

The list of articles furnished is as follows: One month's rent, two bedsteads, two springs, two mattresses, one table, six chairs, one washtub, one washboard, one coal-hod, one shovel, one lamp, one oil-can, four pillows, two towels, one kitchen stove, set up with necessary pipe, wash-boiler, bread-pan, loaf-pan, meat-pan, tea-kettle, kettle and cover, iron pot and cover. Crockery ware, consisting of plates, cups and saucers, pitchers, etc., an average of twenty-one pieces to each family.

The number of families supplied with furniture and rent by the Overseers was 259, and there were also thirty other families for whom rent only was provided, making a total of 289 families assisted. The expense of \$12,406.44 was met by contributions from private citizens in response to the Mayor's appeal, by donations from the Massachusetts Charitable Fire Society, the Committee on the Johnstown Relief Fund, and the Roxbury Charitable Society, and in part by funds from our own appropriation.

One of the most gratifying features of this emergency relief work was the prompt and cordial coöperation between all the charitable agencies in that district. The whole matter of relieving this large number of people whom the fire left destitute of everything except the clothes which they were wearing, was carried through without jar or discord, and in a very brief time. The Roxbury Charitable Society, the Associated Charities, the Ruggles-street Baptist Church, the St. Francis de Sales Church, and the Roxbury Citizens' Relief Committee all worked side by side in perfect harmony, dividing the cases, and supplying the several needs without clash of any sort.



## CHARITY BUILDING.

The condition of this building demands attention. The roof is greatly in need of repairs, and the interior is also in bad condition. Application has been made to the City Council by the Superintendent of Public Buildings for several years past for an appropriation sufficient to thoroughly repair the property, but each year the money has been withheld. Something must be done soon, or irreparable damage will result from the delay. A wise economy dictates that so valuable and useful a building should be kept from decay and ruin, but the Board is powerless to do more than to ask that the necessary money be put into the hands of the Public Buildings Department. The head of that department believes the repairs to be imperative, yet has no funds at his command which can be used for this purpose.

A petition was presented to the Board in the early autumn by several of the charitable societies having offices in the building asking that it might be enlarged, in order to give increased room to these societies. A hearing was had upon the petition, and a good deal of time and thought was given to the question by members of the Board. Certain changes of offices and modifications of rooms were made, so that all the petitioning societies are now amply provided with room, and the need of immediate enlargement of the building is removed.

## THE TRUST FUNDS.

The number of pensioners upon the various trust funds has considerably increased. The Board has felt it their duty to endeavor to carry out the wishes of the donors, and employ the income in alleviating the wants of the class of poor people who are eligible, rather than to increase the funds by accumulating and investing the income. Great care is shown in investigating the claims of applicants, and the Board is, of necessity, strict in following out the provisions of the various wills by which the funds were left to us as trustees. Our income has been considerably reduced, owing to the maturity of a large number of city notes bearing six per cent. interest, and the reinvestment of their proceeds in new city notes bearing four per cent. interest. The policy of the Board has long been to keep the funds invested in city notes as the safest and best mode of disposing of the money.

The total amount of the trust funds in our charge as a corporation is now \$712,341.03, a decrease during the last year of \$853.42.

The number of pensioners now aided from the Pemberton,

the Boylston Relief, the David Sears Charity, and the Moses Hunt Funds is 293, — 42 more than on February 1, 1894. During the year 19 have died, 3 have gone to old ladies' homes, 2 have been dropped from the rolls, and 4 have withdrawn. Seventy new names have been added to the list.

We have paid, during the year, from the Boylston Education Fund \$9,894.71 for the board of children, conformably to the terms of that trust.

The details of the various trust funds held by us will be found at the end of this report, with a tabulated statement of receipts and disbursements since February 1, 1894; also extracts from the wills, showing the terms under which we hold the funds as trustees.

#### FINANCIAL STATISTICS.

The reports of the Secretary and Treasurer are appended, showing all our receipts and expenditures during the last twelve months, arranged in detail so that the expenses of the several departments of our work can be readily ascertained. There is also appended a schedule of the personal property in our hands February 1, 1895.

Respectfully submitted,

In behalf of the Overseers of the Poor,

WILLIAM P. FOWLER,

*Chairman.*

NOTE. — Miss Adeline E. Crockett, the matron of the Temporary Home for Women and Children, died February 6, 1895. Resolutions passed by the Board at its meeting of March 6, 1885, will be found in the Appendix.

## FINANCIAL REPORT.

Statement of receipts and expenditures for the year ending  
January 31, 1895 :

## RECEIPTS.

Cash on hand February 1, 1894,	\$1,118 49	
Drafts on City Treasurer, and requisitions for Temporary Home and Wayfarers' Lodge,	135,634 64	
Cash from cities and towns . .	6,751 21	
Cash from occupants of Charity Building, for heating . . . .	1,149 13	
Cash from Commonwealth, for relief . . . . .	1,536 61	
Cash from State and other sources, for burials . . . .	2,484 48	
Aid returned by paupers . . . .	109 75	
Cash from sundry persons, for board in Temporary Home . .	166 44	
Receipts on account of aid in City Hospital:		
Cities and towns . . \$7,322 33		
State of Massachu- setts . . . . . 38,402 11		
	<hr/>	45,724 44
Receipts from State of Massa- chusetts, for account of Carney Hospital cases . . . . .	3,760 71	
Receipts from sale of old barrels, etc., by the Supply Depart- ment . . . . .	347 00	
	<hr/>	<u>\$198,782 90</u>

## EXPENDITURES.

Amount paid for burials . . . .	\$4,426 84
Amount paid cities and towns, for relief of Boston poor . . . .	8,183 80
Amount paid expenses Tempo- rary Home . . . . .	5,752 77
Amount paid expenses Lodge for Wayfarers . . . . .	8,294 04
Amount paid pensions and grants at office . . . . .	22,072 53
	<hr/>
<i>Amount carried forward,</i>	\$48,729 98

<i>Amount brought forward,</i>	\$48,729 98
Amount cash paid for immediate relief of persons having no settlement . . . . .	443 56
Amount paid for fuel (1,599 tons of coal and 25 $\frac{7}{8}$ cords of wood),	10,560 14
Amount paid for groceries and expense of delivery . . . . .	39,481 94
Amount paid salaries of treasurer and secretary . . . . .	4,000 00
Amount paid salaries of book-keeper and clerks . . . . .	4,899 99
Amount paid salaries of visitors and agents . . . . .	10,900 07
Amount paid temporary visitors,	922 84
Amount paid office expenses . . . . .	1,312 49
Amount paid transportation . . . . .	685 60
Amount paid Charity Building expenses . . . . .	5,407 99
Amount paid medical attendance and medicine . . . . .	2,656 70
Furniture and stoves for the Roxbury fire sufferers . . . . .	5,971 73
	<hr/>
	\$135,973 03
Cash paid City Hospital . . . . .	45,455 94
Cash paid City Collector . . . . .	12,544 62
Cash paid Carney Hospital, as received from Commonwealth,	3,760 71
Cash balance, January 31, 1895,	1,048 60
	<hr/>
	<u>\$198,782 90</u>

PAYMENTS TO THE CITY COLLECTOR DURING THE YEAR.

Receipts from occupants of Charity Building for heating during the year . . . . .	\$1,149 13
Receipts from cities and towns . . . . .	6,751 21
Receipts from the State for burials . . . . .	1,923 60
Receipts from the State for relief of sick and wife settlement cases . . . . .	1,532 49
Receipts from the State for temporary aid . . . . .	4 12
Receipts for sundry burials . . . . .	560 88
Receipts from paupers, aid refunded by them,	109 75
Receipts for account Temporary Home, board of women and children . . . . .	166 44
	<hr/>
<i>Amount carried forward,</i>	<u>\$12,197 62</u>

<i>Amount brought forward,</i>	\$12,197 62
Receipts from sale of barrels by Supply Department . . . . .	345 72
Receipts from sale of old rags at Lodge . . . . .	1 28
	<hr/>
	\$12,544 62
	<hr/> <hr/>

## EXPENDITURES ON ACCOUNT OF LODGE FOR WAYFARERS.

Salaries . . . . .	\$3,396 68
Groceries and provisions . . . . .	3,432 73
Furnishing goods, bedding, and furniture . . . . .	111 68
Fuel and gas, 56 tons coal, 10 cords wood . . . . .	636 38
Repairs, etc. . . . .	81 82
Stationery and printing . . . . .	150 60
Water-rates . . . . .	392 40
Sundries . . . . .	82 75
Medical attendance . . . . .	9 00
	<hr/>
	\$8,294 04
	<hr/> <hr/>

## EXPENDITURES ON ACCOUNT OF CHARITY BUILDING.

Fuel, 350 tons coal and 1 cord of wood . . . . .	\$1,723 50
Engineer's salary . . . . .	1,800 00
Janitor's salary . . . . .	1,200 00
Disinfectants . . . . .	38 52
Gas . . . . .	115 02
Water-rates . . . . .	67 20
Sundries . . . . .	31 60
Extra labor in boiler-house and building . . . . .	40 00
Repairs . . . . .	217 24
Furnishings . . . . .	23 08
Cleaning . . . . .	151 83
	<hr/>
	\$5,407 99

Deduct estimated cost of heating the Temporary Home, included in the above . . . . .	\$1,701 08	
Also amount received from occupants . . . . .	1,149 13	
	<hr/>	2,850 21
		<hr/>
Net cost . . . . .		\$2,557 78
		<hr/> <hr/>

## EXPENDITURES FOR CITY TEMPORARY HOME.

Groceries, provisions, etc. . . . .	\$2,647 28
Salaries . . . . .	1,680 00
Fuel and gas, 35 tons coal, 6 cords wood . . . . .	365 96
Water-rates . . . . .	270 70
Medical attendance and medicine . . . . .	258 20
Furniture and household goods . . . . .	200 60
Extra labor . . . . .	14 00
Repairs . . . . .	173 13
Sundries . . . . .	112 15
Stationery . . . . .	30 75
	<hr/>
	\$5,752 77
Estimated cost of heating, included in Charity Building expenditures . . . . .	1,701 08
	<hr/>
	\$7,453 85
Deduct receipts for board and medical relief of sundry persons . . . . .	166 44
	<hr/>
Net cost . . . . .	<u>\$7,287 41</u>

TRUST FUND.—Cash Accounts, February 1, 1894, to January 31, 1895.

	PEMBERTON FUND.		BOYLSTON EDUCATION FUND.		BOYLSTON RELIEF FUND.		MASON FUND.		DEXTER FUND.		JEFFERIES FUND.		LUCY BULLMAN CHARITY.		THE DAVID SEARS CHARITY.		PIERCE FUEL FUND.		HOLTON PROTESTANT PAUPER FUND.		HOLTON PROTESTANT POOR FUND.		STOUGHTON POOR FUND.		GOODNOW FUND.		RACHEL T. STEVENS FUND.		MOSES HUNT FUND FOR THE DESTITUTE.		TOTAL.		
	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	Receipts.	Payments.	
Cash, January 31, 1894 . . . . .	\$1,514 18		\$311 60		\$291 27		\$214 78		\$409 75		\$445 91		\$66 23		\$999 50		\$45 61		\$296 35		\$117 41		\$212 55		\$85 19		\$2,388 13						
RECEIPTS.																																	
Bank Dividends, including Tax refunded by the State . . . . .	1,817 80		\$518 72		213 41																												2,549 93
Interest on City Notes . . . . .	4,684 14		6,977 50		1,165 74		60 00		188 75		248 75		921 82		\$13,092 96		90 00		150 00		\$75 00		107 50		268 58		\$120 00		420 00				28,670 74
City Notes paid . . . . .	13,000 00		16,000 00		6,000 00				1,000 00		1,000 00		3,000 00		114,000 00																		164,000 00
Interest on State Bonds . . . . .	50 00		30 00																														100 00
State Bonds paid . . . . .	2,000 00		2,000 00																														4,000 00
Interest on United States Bonds . . . . .							292 00																										292 00
Interest on Deposits . . . . .	30 45		5 18		13 47		1 75		8 91		9 79		10 95		13 89		1 20		8 25		78		3 16		8 05		10		1 36				117 29
Rents . . . . .													1,508 39		1,467 29											100 00						3,375 68	
Dividends on Fifty Associates' Stock . . . . .															2,280 00																		2,280 00
PAYMENTS.																																	
Investments . . . . .	\$16,000 00		15,900 00		\$7,000 00				\$1,500 00		\$1,500 00		\$1,500 00		114,000 00				\$500 00						\$500 00								\$187,500 00
Pensions . . . . .	5,125 00				150 00										15,985 00														\$225 00				21,485 00
Board of Boys at Farm School . . . . .			2,318 26																														2,318 26
Board of Boys at the House of the Angel Guardian . . . . .			3,787 45																														3,787 45
Board of Girls at St. Vincent's Orphan Asylum . . . . .			148 01																														2,648 01
Board of other cases . . . . .			140 99																														1,140 99
Paid on account of salary of the Chaplain of the House of Industry . . . . .							\$354 94																										354 94
Grants . . . . .													2,425 00																				2,425 00
Trust Funds, Wood-yard . . . . .													2,000 00																				2,000 00
Paid for repairs on Longwood estate . . . . .															1,544 30																		1,544 30
Paid Treasurer of Charlestown Poor Fund . . . . .																	\$91 81																91 81
Paid Beneficiary . . . . .																												\$179 28					179 28
Paid Water and Insurance . . . . .													74 00																				74 00
Paid Tax on Real Estate in Somerville . . . . .																												40 82					40 82
Coal . . . . .									49 20																								49 20
Cash, January 31, 1895 . . . . .	1,971 57		\$46 09		\$33 89		213 59		68 21		204 45						45 00				\$75 78		\$228 07							281 55			
Cash overdrawn . . . . .													191 61		1,674 66						45 40												2,034 71
Total . . . . .	\$23,696 67	\$23,696 67	\$25,551 40	\$25,551 40	\$7,683 89	\$7,683 89	\$568 63	\$568 63	\$1,607 41	\$1,607 41	\$1,704 45	\$1,704 45	\$5,999 00	\$5,999 00	\$132,528 80	\$132,528 80	\$136 81	\$136 81	\$500 00	\$500 00	\$75 78	\$75 78	\$228 07	\$228 07	\$500 00	\$500 00	\$229 10	\$229 10	\$306 55	\$306 55	\$197,673 77	\$197,673 77	





Statement of Trust Funds in the Hands of the Overseers of the Poor, F. W. Lincoln, Treasurer, January 31, 1895.

INVESTMENTS.	Pemberton or General Fund.	Boylston Education Fund.	Boylston Relief Fund.	Mason Fund.	Dexter Fund.	Jeffries Fund.	Lucy Ballman Charity.	David Sears Charity.	Pierce Fuel Fund.	Holton Protestant Pauper Fund.	Holton Protestant Poor Fund.	Stoughton Poor Fund.	Goodnow Fund.	Rachel T. Stevens Fund.	Moses Hunt Fund for the Destitute.	Total.
United States four per cent. Treasury bonds . . . . .				\$7,300 00												\$7,300 00
City of Boston currency notes . . . . .	33 \$108,000 00 46	\$137,500 00 19	\$26,250 00	1,000 00 7	\$4,750 00 9	\$5,500 00 27	\$21,750 00 43	\$257,500 00 1	\$1,500 00 5	\$3,750 00 1	\$1,500 00 4	\$2,250 00 7	\$7,250 00 3	\$3,000 00 2	\$10,500 00	592,000 00
Fifty Associates' Corporation stock . . . . .							19 22,800 00									22,800 00
Real estate . . . . .								48,066 32						2,200 00		50,266 32
Columbian National Bank Stock . . . . .		.60 6,000 00														6,000 00
New England " " " . . . . .	50 5,000 00															5,000 00
North " " " . . . . .	9 882 00 16	1,608 00														2,490 00
State " " " . . . . .	60 6,000 00															6,000 00
Tremont " " " . . . . .	47 4,700 00 13	1,300 00														6,000 00
Union " " " . . . . .	32 3,200 00		28 2,800 00													6,000 00
Washington " " " . . . . .	60 6,000 00															6,000 00
Swampscot Machine Company . . . . .	9 450 00															450 00
Investments . . . . .	\$134,232 00	\$146,408 00	\$29,050 00	1 00	\$4,750 00	\$5,500 00	\$21,750 00	\$228,366 32	\$1,500 00	\$3,750 00	\$1,500 00	\$2,250 00	\$7,250 00	\$5,200 00	\$10,500 00	\$710,306 32
Cash . . . . .	1,971 57	345 09	533 89	8 59	58 21	204 45			45 00		75 78	228 07			281 55	} 2,034 71
Cash Overdrawn . . . . .							191 61	1,674 66		45 40			10 82			
Total . . . . .	\$136,203 57	\$146,753 09	\$29,583 89	\$8,513 59	\$4,808 21	\$5,704 45	\$21,558 39	\$326,691 66	\$1,545 00	\$3,704 60	\$1,575 78	\$2,478 07	\$7,239 18	\$5,200 00	\$10,781 55	\$712,341 03
Total, January 31, 1894 . . . . .																713,194 45
Decrease . . . . .																\$853 42

Boston, January 31, 1895.

FREDERIC W. LINCOLN,  
Treasurer.



## TRUST FUNDS IN THE HANDS OF THE OVERSEERS OF THE POOR.

*Pemberton Fund.* — This fund comprises bequests and gifts made to the city of Boston from 1760 to the present time, from "A. B.," Daniel Oliver, Margaret Blackader, Alice Quick, Anne Wheelright, Mary Ireland, Benjamin Pemberton, Martha Stevens, Mrs. H. Driscoll, William Breed, Samuel Eliot, John Coffin Jones, Mary Belknap, "A Citizen of Boston," Anonymous, Miss Dr. Harriot K. Hunt, George Higginson, Walter E. Hawes, and Wm. B. Spooner. The most important, however, of the bequests was from Benjamin Pemberton, Esq., whose will was proved June 25, 1782, and for that reason his name has been given to the fund. The income of this fund is to be expended, at the discretion of the Overseers, in semi-annual payments to the poor of the city.

*Boylston Relief and Education Funds.* — These funds were from a bequest by John Boylston, who died in London, England. His will was proved June 12, 1795. One portion of the bequest is ordered to be paid to "poor and decayed householders of the town of Boston not under fifty years of age; persons of good character, and reduced by the acts of Providence, not by indolence, extravagance, or other vice." The other portion to be applied to the "nurture and instruction of poor orphans and deserted children of the town of Boston until fourteen years of age."

*Mason Fund.* — A bequest from Jonathan Mason, by will dated July 15, 1798, interest to be paid annually to the chaplain of the almshouse or workhouse; interest to be added until one is appointed. The interest is now paid semi-annually towards the salary of the chaplain of the House of Industry.

*Dexter Fund.* — A bequest from Samuel Dexter, by will dated May 7, 1811, for supplying firewood or coal to such objects of charity as are not supported in the almshouse, though sometimes relieved by the Overseers of the Poor.

*Jeffries Fund.* — A bequest by David Jeffries, former Town Treasurer. Will dated January, 1786. "Income to be applied to the purchase of tea, coffee, chocolate, and sugar, for the refreshment of those persons who, in the

providence of God, are or shall be obliged to seek refuge in the almshouse, after having lived reputably; but always giving preference to the pious poor."

*Lucy Bullman Charity* consists of an estate on Cambridge and Joy streets, in this city, which came into the possession of the city of Boston, in accordance with the will of Lucy Bullman, proved at Probate Court, Suffolk County, January 9, 1832, in which it is provided that, upon the death of certain persons therein named, said estate is given to the city of Boston, upon the condition that the estate should never be sold, but the income used for the benefit of the poor. By a vote of the City Council, approved by the Mayor, January 4, 1873, this estate was placed in charge of the Overseers of the Poor.

*The David Sears Charity* is a fund contributed by the late Hon. David Sears for the relief of the poor, the income only to be expended "in aid and for the support of citizens or families who may have seen better days, and for charity in all its forms, in such a manner as may best tend to alleviate the sufferings of human life and render the condition of the poor more comfortable."

*Pierce Fuel Fund.*—The legacy of Caleb Pierce to the city of Charlestown, accepted by the City Council of that city May, 1861. "Income to be expended in the purchase of fuel, to be distributed to those indigent widows whose husbands, before their decease, had resided in Charlestown at least one year, and the said widows still continuing to reside in Charlestown at the time of receiving said bounty. Income payable annually to the Trustees of the Charlestown Poor Fund."

*Holton Protestant Poor Fund.*—A bequest by James Holton to the inhabitants of the town of Brighton. "Income to be annually expended forever in purchasing and distributing provisions among poor and indigent Protestant families in said town of Brighton, on Thanksgiving or other holidays, or just previous to such holidays, to the end that such poor Protestant families may have the means, in some degree, of enjoying such holidays in common with their fellow-citizens; and I specially direct, that in such periodical distributions unmarried Protestant females who are poor or needy shall receive a liberal share of provisions, and also other articles of comfort, such as such distributors shall deem to be the most conducive to the comfort and happiness of that lone class of citizens."

*Holton Protestant Pauper Fund.*—A bequest by James Holton to the inhabitants of the town of Brighton. "Income to be annually expended, in whole or in part, as necessity

or circumstances may require, by the Selectmen of said town, in providing good and plentiful meals, on Thanksgiving Day, or other holidays, to the Protestant paupers of said Brighton." Unexpended income to be added to the principal.

*Stoughton Poor Fund.* — A bequest of Licut.-Gov. William Stoughton, who died July 7, 1701. By his will he gave £50 to the relief of the poor of Dorchester, to be improved by the care of the Selectmen, the income to be distributed to the most needy inhabitants.

*Goodnow Fund.* — A bequest of Elisha Goodnow (to be paid over upon the decease of his wife) to the city of Boston and its assigns, "to be invested and the income applied forever to and for the relief, assistance, and support of the poor, sick, and infirm in said city, not supported by the said city in its almshouse, in such manner as the said city, or the government or officers thereof, may deem most judicious, but without reference to the religious faith or belief of those who may apply for or need the assistance from this fund." \$5,000, received April 29, 1885.

*Rachel T. Stevens Fund.* — A bequest of Rachel T. Stevens, the net income to be paid (after the death of a person named in the will) "for the support and maintenance of poor, worthy Protestant single women of Boston, who have arrived at the age of fifty years (not including widows), paying to each of such women during her life the sum of one hundred dollars, in semi-annual payments. Upon the marriage of any beneficiary under this will no further payment of money is to be made to her, nor is any further payment of income to be made to any beneficiary who becomes unworthy of help under this trust."

*Moses Hunt Fund for the Destitute.* — "The income to be devoted to the relief and welfare of Protestant destitute residents of that part of said Boston which was Charlestown." \$10,000, received March 7, 1889, has been invested in a city of Boston note.

## OVERSEERS OF THE POOR, 1894-95.

[One-third of the Board is appointed annually by the Mayor, subject to the approval of the Board of Aldermen.]

*Terms expire April 30, 1895.*

WILLIAM P. FOWLER, <i>Chairman</i> ,	M. C. CURRY,
THOS. SPROULES,	EDITH P. WOLCOTT.

*Terms expire April 30, 1896.*

ISAAC T. CAMPBELL,	HENRY V. CUNNINGHAM,
DANIEL F. SULLIVAN,	CHARLES COLEMAN.

*Terms expire April 30, 1897.*

JOHN LAMB,	ANNETTE P. ROGERS,
RICHARD C. HUMPHREYS,	JOHN TURNER.

FREDERIC W. LINCOLN, *Treasurer*.  
BENJAMIN PETTEE, *Secretary*.

The Board meets on the first Wednesday of every month, at its office in Charity Building.

The Overseers of the Poor are likewise incorporated as a Board of Trustees of John Boylston's and other charitable funds left for the assistance of persons of good character and advanced age, "who have been reduced by misfortune to indigence and want."

## COMMITTEES.

*Investigation and Relief.*

All the members of the Board.

*Finance and Accounts.*

Messrs. Cunningham, Lamb, and Sullivan.

*Employments and Settlements.*

Messrs. Lamb, Campbell, and Sullivan.

*Supplies.*

Messrs. Curry, Sproules, and Turner.

*Temporary Home.*

Miss Rogers, Mr. Cunningham, and Mrs. Wolcott.

*Lodge for Wayfarers and the Wood-yard.*

Messrs. Humphreys, Fowler, and Sullivan.

*Building.*

Messrs. Sproules, Lamb, and Miss Rogers.

*Real Estate.*

Messrs. Coleman, Turner, and Humphreys.

*Medical.*

Messrs. Campbell, Curry, and Cunningham.

*Burials.*

Mrs. Wolcott, Messrs. Coleman and Turner.

*Boylston Education Fund Beneficiaries.*

Mr. Sproules, Miss Rogers, and Mr. Humphreys.

## OVERSEERS OF THE POOR WERE FIRST CHOSEN IN BOSTON IN 1691.

### MEMBERS OF THE BOARD FROM ITS REORGANIZATION IN 1864.

- \* Allen, Ira, 1868 to 1875 (died August 29).
- \* Amory, Thomas C., 1864 to April, 1883.
- \* Atkins, Ebenezer, 1864 to December 31, 1867 (died).  
Ayer, James B., April, 1890, to May, 1893.
- \* Bailey, Joseph T., November, 1866, to 1871.
- \* Bigelow, Alanson, 1875 to April, 1881.
- \* Blasland, Thomas, 1866 to 1873 (died September 5).
- \* Buckley, Joseph, 1864 to 1875.  
Burnham, Daniel S., from April, 1885, to May, 1891.
- Campbell, B. F., October, 1882, to July, 1888.
- Campbell, Isaac T., 1873 to date.
- Caton, Asa H., December, 1890, to 1893.
- Coleman, Charles, 1893 to date.
- \* Crane, P. M., 1870 to 1882 (died August 13).
- Cruft, Samuel B., 1871 to 1877.
- Cunningham, Henry V., 1893 to date.
- Curry, M. C., 1883 to date.
- Curtis, George, 1876 to September, 1878.
- Davis, James G., 1880 to 1886.
- Dore, John P., 1879 to May, 1891.
- Downey, Thos., Jr., 1887 to April, 1890, and May  
1891, to January, 1895.
- \* Fabyan, George, 1869 to 1874 (died May 25).
- Fisher, Andrew P., from April, 1889, to May, 1893.
- Fowler, William P., from April, 1889, to date.
- Friedman, Solomon, 1886, to December, 1890.
- Gargan, Thomas J., 1874 to 1875.
- \* Gorman, William, 1877 to 1880 (died January).
- \* Griffin, Martin, 1864 to 1869.  
Hale, George S., 1865 to 1871.
- \* Hull, Liverus, 1874 to April, 1883.  
Humphreys, Richard C., May, 1890, to date.
- Lamb, John, 1891 to date.
- \* Lawrence, William R., 1864 to November, 1865.  
Lincoln, F. W., May, 1867, to April, 1878.
- \* Little, James L., November, 1865, to November, 1876.
- \* Lothrop, Loring, 1864 to April, 1870.  
Madden, Daniel A., 1883 to April, 1889.
- \* McLean, Charles R., 1868 to 1871.



- \* Newmarch, S., 1864 to 1865.
- Newell, Otis K., from July, 1888, to May, 1891.
- O'Brien, John, 1871 to 1874.
- Parker, Augustus, November, 1878, to April, 1880.
- \* Parker, F. E., 1864 to 1875.
- Pickering, H. W., 1875 to April, 1884.
- Prescott, Washington L., 1875 to December, 1878.
- Richards, Henry L., 1877 to August, 1878.
- \* Richards, Joel, 1864 to 1866.
- Ring, Thomas F., November, 1878, to April, 1887.
- Rogers, Annette P., 1891 to date.
- \* Sawin, Samuel D., April, 1884, to July, 1890 (died).
- Scott, John A., April, 1881, to April, 1884.
- \* Spooner, William B., 1864 to 1868.
- Sproules, Thomas, 1883 to date.
- Stackpole, Stephen A., 1880 to April, 1883.
- Sullivan, Daniel F., 1893 to date.
- Sweetser, John, December, 1878 to April, 1879.
- Temple, Thomas F., 1870, to April, 1890.
- Turner, John, September, 1890, to May, 1893, and  
January, 1895, to date.
- \* Warren, John W., 1864 to April, 1866.
- Welch, William J., April, 1884, to April, 1889.
- Willcutt, Levi L., 1878 to April, 1885.
- \* Winthrop, Robert C., 1864 to May, 1867.
- Wolcott, Edith P., 1893 to date.

#### *Chairmen.*

- \* Winthrop, Robert C., July, 1864, to May, 1867.
- Lincoln, F. W., June, 1867, to April, 1878.
- Temple, Thomas F., April, 1878, to December 31,  
1878, and from April, 1881, to April, 1890.
- \* Amory, Thomas C., January, 1879, to April, 1881.
- Newell, Otis K., April, 1890, to May, 1891.
- Fowler, William P., May, 1891, to date.

#### *Treasurers.*

- \* Warren, John W., July, 1864, to January, 1865.
- \* Norcross, Otis, January, 1865, to January, 1876.
- \* Higginson, George, 1876 to 1878.
- Lincoln, F. W., April, 1878, to date.

#### *Secretaries.*

- \* Pratt, John, July, 1864, to November, 1874 (died).
- Pettee, Benjamin, November, 1874, to date.

## OCCUPANTS OF CHARITY BUILDING.

*Basement Rooms.*

City Physician . . . . .	Nos. 3 and 4
Homœopathic Dispensary . . . . .	No. 5
United Hebrew Benevolent Association . . . . .	“ 13

*First-Story Rooms.*

Overseers of the Poor . . . . .	Nos. 15 to 20
State Aid Paymaster . . . . .	“ 21 to 24
Industrial Aid Society . . . . .	“ 25 to 28

*Second-Story Rooms.*

Associated Charities . . . . .	Nos. 30 and 31
Boston Ladies' Sewing Circle . . . . .	“ 35 and 37
Boston Provident Association . . . . .	Nos. 32, 33, 38, and 40
Society of St. Vincent de Paul . . . . .	No. 36
German Aid Society . . . . .	“ 39

*Third-Story Rooms.*

Boston Children's Aid Society . . . . .	No. 43
Coöperative Society . . . . .	“ 48
Ward 6 Conference, Associated Charities . . . . .	“ 49
Ward 8 Conference, Associated Charities . . . . .	“ 50
Ward 7 Conference, Associated Charities . . . . .	“ 51

In addition to the above the Young Men's Benevolent Society holds its monthly meetings here, and the Boston Police Relief Association its annual meeting.

## SCHEDULE OF PROPERTY IN CHARGE OF THE BOARD.

Charity Building: four rooms, occupied by the Board and its officers, have furniture needed for their use, desks, cases, chairs, etc.

City Temporary Home is supplied with furniture necessary to provide temporary accommodations for homeless women and children.

The Lodge for Wayfarers, for men, has furniture suitable for its use. At the Lodge, and at the wharf hired for the storage of wood, there are at the present time about 568 cords of wood. Also, four horses, four wagons, and four sets of harness.

In a storehouse in the yard of Charity Building the following groceries for delivery to the poor, and store-fixtures:

18	bbls. sugar.	2 $\frac{5}{8}$	bbls. oatmeal.
15 $\frac{1}{2}$	chests tea.	900	lbs. salt fish.
32 $\frac{1}{2}$	boxes soap.	120	bushels potatoes.
2	bbls. Indian meal.	9 $\frac{1}{2}$	bushels peas.
3	bbls. rice.	131	lbs. cotton twine.
10 $\frac{1}{4}$	bbls. salt pork.	23	lbs. jute twine.
123	bbls. flour.	1,500	tags.
60	packages paper bags.	6	dry measures.
248	baskets.	8	tunnels.
310	lbs. paper.	5	chairs.
5	scales.	1	truck.
8	scoops.	2	hatchets.
2	desks.	1	meat-saw.
124	bushels beans.	3	butcher-knives.



## APPENDIX.

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### ACTION OF THE BOARD ON THE DEATH OF MISS CROCKETT.

At a meeting of the Board of Overseers, held March 6, 1895, the committee appointed February 6 to draw up resolutions on the death of Miss ADELINE E. CROCKETT, late matron of the City Temporary Home, presented the following :

The Board of Overseers of the Poor desire to place upon record an expression of their sense of loss in the death of ADELINE E. CROCKETT. She has served the city since July 1, 1872, when she became assistant matron of the City Temporary Home, being promoted to the office of matron March 16, 1881, in which office she continued until her death, February 6, 1895. During the entire period she has shown unfailing faithfulness and devotion in dealing with the women under her care. In her the city has lost a faithful servant and the inmates of the Home a devoted friend.

To the family of Miss Crockett the Board of Overseers extend their sincere and heartfelt sympathy.

*Voted*, That the resolutions be adopted and recorded, that a copy be sent to the family, and that they be published in the Annual Report.





ANNUAL REPORT  
 OF THE  
 PARK DEPARTMENT,  
 FOR THE YEAR 1894.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston :*

SIR: In accordance with the provisions of the Revised Ordinances, which require every officer and board in charge of a department to transmit to the Mayor a report containing a statement of the acts and doings, and receipts and expenditures, of the department for the preceding financial year, the Board submits the following report :

FINANCIAL STATEMENTS.

I.

*Receipts and Expenditures of the Department for the Twelve Months ending January 31, 1895.*

MAIN PARK SYSTEM.

**LAND, CONSTRUCTION, AND MAINTENANCE.**

Amount transferred from loan, Public Parks .	\$1,426,555 64	
Amount transferred from appropriation for		
Maintenance . . . . .	73,667 62	/
Amount transferred by City Auditor . . . . .	3,285 00	
	<hr/>	
		<u>\$1,503,508 26</u>

## COMMONWEALTH AVENUE.

## EXPENDITURES FOR CONSTRUCTION.

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and materials . . . . .	\$56,778 18	
Gutters: labor and materials . . . . .	8,363 45	
Roadways: amount paid under contract for excavating . . . . .	7,416 76	
Sidewalks: labor and materials . . . . .	4,786 85	
Engineers and expenses . . . . .	1,852 08	
Advertising and printing contract . . . . .	46 35	
General work: labor and materials . . . . .	9 88	
	—————	\$79,253 55

*Electric Lighting.*

Lamp-posts and cable: amount paid under contract . . . . .	5,674 00
--	----------

*Plantations.*

Labor . . . . .	406 46
-----------------	--------

*Plans and Designs.*

Landscape architects and expenses . . . . .	22 00	
	—————	\$85,356 01

## FENS.

## EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land and easement for location for street railway . . . . .	\$15,490 00
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*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and materials . . . . .	\$6,262 43	
Gutters: labor and materials, . . . . .	1,364 40	
Curbs and walks: labor and materials . . . . .	222 91	
Drainage: labor and materials . . . . .	45 58	
	—————	7,895 32

*Electric Lighting.*

Lamp-posts and cable: amount paid under contract . . . . .	\$6,624 95	
Labor and materials . . . . .	262 28	
	—————	6,887 23

*Grading, Loam, and General Work.*

Loam: labor and materials . . . . .	\$2,104 59	
Engineers and expenses . . . . .	652 18	
Superintendence and general work . . . . .	439 73	

*Amounts carried forward,* \$3,196 50 \$30,272 55 \$85,356 01



<i>Amounts brought forward,</i>	\$3,196 50	\$30,272 55	\$85,356 01
Grading: labor and materials . . . . .	404 75		
Fence: labor and materials,	397 12		
	—————	3,998 37	

*Plantations.*

Labor and expenses . . . . .	2,847 03
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*Filling.*

Filling . . . . .	486 50
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*Settees.*

Settees and freight . . . . .	238 53
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*Plans and Designs.*

Landscape architects and expenses . . . . .	55 82		
	—————	37,898 80	

RIVERWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . .	\$84,036 42
Expenses in trials of suits . . . . .	175 00
	—————
	\$84,211 42

*Bridle Path Bridge.*

Amount paid under contract, \$28,642 88	
Labor and materials . . . . .	552 07
	—————
	29,194 95

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and materials . . . . .	\$23,387 56
Drainage: labor and materials . . . . .	1,777 66
Sidewalks: labor and materials . . . . .	1,637 03
Gutters: labor and materials,	439 29
	—————
	27,241 54

*Clearing, Grading, Loam, and General Work.*

Loam: labor and materials . . . . .	\$7,847 17
Grading: labor and materials . . . . .	5,413 95
Superintendence and general work . . . . .	4,182 78
Engineers and expenses . . . . .	3,058 19
Clearing grounds . . . . .	179 05
Fence . . . . .	50 04
	—————
	20,731 18

*Filling.*

Amount paid under contract, \$14,650 34	
Labor and materials . . . . .	2,049 60
	—————
	16,699 94

<i>Amounts carried forward,</i>	\$178,079 03	\$123,254 81
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*Amounts brought forward,* \$178,079 03 \$123,254 81

*Plantations.*

Labor and expenses . . . . . 8,581 53

*Shelter House.*

Amount paid under contract, \$4,261 00  
 Shepley, Rutan, & Coolidge,  
 for plans . . . . . 213 05  
 Advertising contract . . . . . 34 60  
 Labor . . . . . 5 00  
 ----- 4,513 65

*Audubon Road Bridge.*

Abutments: amount paid  
 under contract . . . . . \$3,153 94  
 Floor: amount paid under  
 contract . . . . . 547 50  
 Iron fence: amount paid  
 under contract . . . . . 375 00  
 Labor and materials . . . . . 150 93  
 ----- 4,227 37

*Electric Lighting.*

Lamp-posts and cable: amount paid  
 under contract . . . . . 2,734 57

*Plans and Designs.*

Landscape architects and expenses . . . . . 1,675 09

*Machinery, Tools, and Implements.*

Water-carts . . . . . 468 75

*Foot-bridge and Culverts.*

Labor and materials . . . . . \$439 97  
 Shepley, Rutan, & Coolidge,  
 for plans . . . . . 13 58  
 ----- 453 55

*Settees.*

Settees and freight . . . . . 351 82

*Tremont Street Bridge.*

Labor and materials . . . . . 223 16

*Administration Building.*

Labor, expenses, furnishing, etc. . . . . 106 17

*Bellevue Street Bridge.*

Labor and materials . . . . . 69 85  
 ----- 201,484 54

LEVERETT PARK.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . \$106,644 90  
 Expenses in trials of suits, 2,721 05  
 ----- \$109,865 95

*Amounts carried forward,* \$109,865 95 \$324,739 35

PARK DEPARTMENT.

Amounts brought forward, \$109,365 95 \$324,739 35

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and materials . . . . .	\$45,946 48	
Drainage: labor and materials . . . . .	3,533 31	
Gutters: labor and materials, . . . . .	2,567 19	
Sidewalks: labor and materials . . . . .	2,264 94	
	<hr/>	54,311 92

*Clearing, Grading, Loam, and General Work.*

Grading: amount paid under contract . . . . .	\$12,111 92	
Loam: labor and materials . . . . .	10,214 43	
Grading: labor and materials . . . . .	9,316 88	
Engineers and expenses . . . . .	5,930 69	
Clearing grounds: labor and materials . . . . .	1,151 26	
General work: labor and materials . . . . .	807 29	
Fence: labor and materials . . . . .	209 01	
	<hr/>	39,741 48

*Retaining Wall.*

Amount paid under contract, . . . . .	\$15,255 03	
Labor and materials . . . . .	603 30	
Advertising and printing . . . . .	64 69	
	<hr/>	15,923 02

*Walls and Steps.*

Labor and materials . . . . .	13,072 13
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*Leverett Pond Bridge.*

Amount paid under contract, . . . . .	\$9,313 60	
Labor and materials . . . . .	386 39	
Advertising contract . . . . .	57 47	
	<hr/>	9,757 46

*Plantations.*

Labor and expenses . . . . .	5,795 46
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*Walls and Culverts.*

Labor and materials . . . . .	5,182 50
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*Electric Lighting.*

Lamp-posts and cable: amount paid under contract . . . . .	4,497 81
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*Machinery, Tools, and Implements.*

Engine, steam-roller, etc. . . . .	3,049 75
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*Plans and Designs.*

Landscape architects and expenses . . . . .	1,662 50
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*Settees.*

Settees and freight . . . . .	524 66
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Amounts carried forward, \$262,884 64 \$324,739 35

*Amounts brought forward,* \$262,884 64 \$324,739 35

*Water Supply.*

Water-pipes and labor . . . . 481 10

*Foot-bridges and Culverts.*

Advertising and printing . . \$57 87  
 Labor and materials . . . . 10 00  
 ————— 67 87

*Filling.*

Labor and materials . . . . 15 75  
 ————— 263,449 36

JAMAICA PARK.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . \$285,237 73  
 Expenses in trials of suits . . 9,182 35  
 ————— \$294,420 08

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and materials . . . . \$34,241 97  
 Drainage: labor and materials . . . . 1,768 40  
 Gutters: labor and materials, . . . . 983 75  
 Sidewalks: labor and materials . . . . 226 50  
 ————— 37,220 62

*Clearing, Grading, Loam, and General Work.*

Grading: amount paid under contract . . . . \$14,103 30  
 Grading: labor and materials . . . . 9,321 91  
 Loam: labor and materials . . . . 2,578 36  
 Engineers and expenses . . . . 2,129 16  
 General work: labor and materials . . . . 1,364 47  
 Clearing grounds: labor and materials . . . . 839 39  
 ————— 30,336 59

*Retaining Walls.*

Amount paid under contract . . \$6,356 50  
 Labor and materials . . . . 3,675 74  
 ————— 10,032 24

*Water Supply.*

Water-pipes and labor . . . . 5,471 46

*Plantations.*

Labor and expenses . . . . 3,609 15

*Walls and Steps.*

Labor and materials . . . . 3,300 44

*Amounts carried forward,* . \$384,390 58 \$588,188 71

PARK DEPARTMENT.

7

*Amounts brought forward,* \$384,390 58 \$588,188 71

*Machinery, Tools, and Implements.*

Steam-roller and water-carts . . . 1,968 75

*Electric Lights.*

Lamp-posts and cable: amount paid  
under contract . . . . . 1,622 50

*Plans and Designs.*

Landscape architects and expenses . . . 554 65

*Pine Bank Refectory.*

City Architect's department,  
for plans . . . . . \$239 00  
Advertising and printing . . . . . 55 56  
————— 294 56

*Boat House.*

City Architect's department, for plans . . . 175 00

*Settees.*

Freight . . . . . 10 75  
————— 389,016 79

ARBORWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . \$88,712 28  
Expenses in trials of suits . . . 4,333 73  
————— \$93,046 01

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and mate-  
rials . . . . . \$53,299 99  
Drainage: labor and mate-  
rials . . . . . 6,908 41  
Gutters: labor and materials, . . . 1,845 25  
————— 62,053 65

*Clearing, Grading, Loam, and General Work.*

Grading: labor and mate-  
rials . . . . . \$21,947 26  
Grading: amount paid under  
contract . . . . . 5,611 17  
Engineers and expenses . . . 3,691 91  
Loam: labor and materials . . . 2,791 00  
General work: labor and  
materials . . . . . 570 59  
Clearing grounds: labor and  
materials . . . . . 33 25  
————— 34,645 18

*Culverts.*

Labor and materials . . . . . 4,017 72

*Amounts carried forward,* \$100,716 55 \$977,205 50

<i>Amounts brought forward,</i>	\$100,716 55	\$977,205 50
<i>Water Supply.</i>		
Water-pipes and labor . . . . .	3,174 96	
<i>Electric Lighting.</i>		
Lamp-posts and cable: amount paid		
under contract . . . . .	3,028 00	
<i>Filling.</i>		
Filling . . . . .	2,819 16	
<i>Machinery, Tools, and Implements.</i>		
Steam-roller and water-carts . . . . .	1,968 75	
<i>Plantations.</i>		
Labor and expenses . . . . .	176 78	
<i>Plans and Designs.</i>		
Landscape architects and expenses . . . . .	35 69	
<i>Settees.</i>		
Freight . . . . .	10 75	
	204,976 65	

## ARNOLD ARBORETUM.

## EXPENDITURES FOR LAND AND CONSTRUCTION.

<i>Land.</i>		
Surveying expenses . . . . .	\$248 45	
Amount paid for land . . . . .	17 70	
	\$266 15	
<i>Boundary Walls and Gateways.</i>		
Boundary walls: labor and		
materials . . . . .	\$4,271 37	
Fence: labor and materials . . . . .	86 65	
	4,358 02	
<i>Roadways, Walks, and Drainage.</i>		
Clearing grounds . . . . .	\$1,055 23	
Engineers and expenses . . . . .	141 50	
Grading . . . . .	111 72	
Drainage . . . . .	50 63	
Fuel, supplies, cartage, etc., . . . . .	24 35	
	1,383 43	
<i>Plans and Designs.</i>		
Landscape architects and expenses . . . . .	73 42	
	6,081 02	

## WEST ROXBURY PARKWAY.

## EXPENDITURES FOR LAND AND CONSTRUCTION.

<i>Land.</i>		
Surveying expenses . . . . .	\$3,561 75	
<i>Amounts carried forward,</i>	\$3,561 75	\$1,188,263 17

PARK DEPARTMENT.

*Amounts brought forward,* \$3,561 75 \$1,188,263 17

*Clearing, Grading, and General Work.*

Engineers and expenses . . . . .	\$602 55	
Clearing grounds: labor and materials . . . . .	36 00	
	<u>          </u>	638 55

*Plans and Designs.*

Landscape architects and expenses . . . . .	51 26	
	<u>          </u>	4,251 56

FRANKLIN PARK.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . .	\$10,597 12	
Expenses in trials of suits . . . . .	76 62	
	<u>          </u>	\$10,673 74

*Forest Hills Bridge.*

Amount paid under contract, \$41,547 15	
Labor and materials . . . . .	820 15
Advertising and printing contract . . . . .	51 47
	<u>          </u>
	42,418 77

*Roads and Walks.*

Grading roads and walks . . . . .	\$17,250 16	
Surfacing roads and walks . . . . .	8,259 29	
	<u>          </u>	25,509 45

*Refectory Building.*

Amount paid under contract, \$16,743 75	
Hartwell & Richardson, for plans . . . . .	3,800 00
City Architect's Dept.: plans and expenses . . . . .	222 05
Advertising and printing contract . . . . .	59 63
	<u>          </u>
	20,825 43

*Clearing, Grading, Drainage, and General Work.*

Engineers and expenses . . . . .	\$7,150 39	
Drainage . . . . .	4,830 10	
General work . . . . .	3,825 31	
Grading . . . . .	2,056 33	
Clearing grounds . . . . .	1,570 25	
	<u>          </u>	19,432 38

*Plantations.*

Labor and expenses . . . . .	15,997 45
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*Ellicott House.*

Amount paid under contract, \$5,250 35	
Amount paid under plumbing contract . . . . .	1,394 00
Amount paid under heating contract . . . . .	429 00
	<u>          </u>

*Amounts carried forward,* \$7,073 35 \$134,857 22 \$1,192,514 73

*Amounts brought forward*, \$7,073 35 \$134,857 22 \$1,192,514 73

Labor and materials . . . . .	533 20	
Insurance . . . . .	112 00	
	<hr/>	7,718 55

*Pergola Wall and Terrace.*

Labor and materials . . . . .	5,206 76
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*Electric Lighting.*

Lamp-posts and cable: amount paid	
under contract . . . . .	5,108 75

*Foot-bridge.*

Foot-bridge: labor and materials . . . . .	2,957 28
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*Water Supply.*

Water-pipes and labor . . . . .	1,531 59
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*Temporary Structures.*

Sanitary buildings:		
Amount paid under con-		
tract . . . . .	\$776 00	
Advertising and printing		
contract . . . . .	25 65	
Labor and materials . . . . .	8 01	
	<hr/>	809 66

*Reservoir.*

Labor and materials . . . . .	694 47
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*Plans and Designs.*

Landscape architects and expenses . . . . .	592 58
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*Scarboro' Pond Bridge.*

Labor . . . . .	\$464 56	
Shepley, Rutan, & Coolidge,		
for plan . . . . .	113 64	
	<hr/>	578 20

*Scarboro' Pond.*

Labor and materials . . . . .	501 28
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*Overlook Shelter.*

Insurance . . . . .	\$280 00	
Expenses, furnishing . . . . .	141 75	
	<hr/>	421 75

*Propagating House.*

Labor and materials . . . . .	320 37
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*Scarboro' Pond Building.*

City Architect's department, for plans . . . . .	262 50
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*Schoolmaster Hill Shelter.*

City Architect's Department . . . . .	132 61
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*Settees.*

Settees and freight . . . . .	120 50
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*Amounts carried forward*, \$161,814 07 \$1,192,514 73



*Amounts brought forward,* . . . \$161,814 07 \$1,192,514 73

*Culverts.*

Labor and materials . . . . . 54 25

*Carriage Shelter.*

Labor and materials . . . . . 37 74

*(Seaver-street Improvement.)*

*Grading, Surfacing, and Drainage.*

Surfacing: labor and materials . . . . . \$24,747 46  
 Grading: amount paid under contract . . . . . 30,458 75  
 Broken stone: amount paid under contract . . . . . 6,345 37  
 Grading: labor and materials, . . . . . 3,086 46  
 Drainage: labor and materials . . . . . 4,604 46  
 Engineers and expenses . . . . . 1,260 00  
 Grading and clearing grounds: labor . . . . . 125 06  
 ----- 70,627 56

*Plantations.*

Labor and materials . . . . . 531 20  
 ----- 233,064 82

EXPENDITURES FOR BETTERMENTS.

COMMONWEALTH AVENUE.

Plans . . . . . \$276 00

JAMAICA PARK.

Plans . . . . . \$166 55  
 Advertising and printing . . . . . 152 01  
 ----- 318 56

ARBORWAY.

Plans . . . . . \$227 24  
 Advertising and printing . . . . . 154 29  
 ----- 381 53  
 ----- 976 09

EXPENDITURES FOR MAINTENANCE.

COMMONWEALTH AVENUE.

*Care of Grounds, Roads, and Walks.*

Labor and materials . . . . . \$1,343 27  
 Signs and notices, . . . . . 10 50  
 ----- \$1,353 77

*Park Police.*

Pay of Park keepers . . . . . 591 25  
 ----- \$1,945 02

*Amounts carried forward,* . . . \$1,945 02 \$1,426,555 64

Amounts brought forward, \$1,945 02 \$1,426,555 64

FENS, RIVERWAY, LEVERETT PARK, JAMAICA PARK, AND ARBORWAY.

*Care of Grounds, Roads, Walks, and Buildings.*

Grounds, roads, and walks: labor and expenses,	\$17,895 22
Sewer assessment,	3,341 12
Buildings: labor and expenses .	1,555 30
Repairs, covered channel, Muddy river and gate- house . . . .	102 06
Pumping-station: labor . . . .	85 50
Repairs, Stony- brook gatehouse,	21 55
Stony-brook bridge,	53 22
Signs and notices,	54 35
Iron fence . . . .	26 16
Live stock, fowls,	12 00
Charlesgate bridge,	8 12
	————— \$23,154 60

*Park Police.*

Pay of Park keep- ers . . . .	\$10,956 88
Police equipments and supplies . .	528 86
	————— 11,485 74
	————— 34,640 34

ARNOLD ARBORETUM.

*Care of Roads and Walks.*

Watchman, labor and expenses .	\$3,854 78
Signs and notices,	3 50
	————— \$3,858 28

*Park Police.*

Pay of Park keepers . . . .	3,781 55
	————— 7,639 83

FRANKLIN PARK.

*Care of Grounds, Roads, Walks, and Buildings.*

Grounds, roads, and walks: labor and expenses,	\$17,634 90
Buildings: labor and expenses .	2,021 76
Sheep-fold . . . .	2,122 41
Signs and notices,	5 50
	————— \$21,784 57

*Park Police.*

Pay of Park keep- ers . . . .	\$10,011 30
Police equipments and supplies . .	931 56
	————— 10,942 86
	————— 32,727 43
	————— 76,952 62
	————— <u>\$1,503,508 26</u>

MARINE PARK SYSTEM.

**LAND, CONSTRUCTION AND MAINTENANCE.**

Amount transferred from loan, Public Parks . . . . .	\$174,663 17	
Amount transferred from appropriation for Maintenance . . . . .	11,860 98	
Amount transferred by City Auditor . . . . .	613 61	
	<hr/>	\$187,137 76

DORCHESTERWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . .	\$1,656 21
Expenses in trials of suits . . . . .	468 05
	<hr/>
	\$2,124 26

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadways: labor and mate- rials . . . . .	\$10,026 55
Gutters: labor and materials, . . . . .	1,194 67
Sidewalks: labor and mate- rials . . . . .	597 58
Drainage: labor and mate- rials . . . . .	538 44
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	12,357 24

*Filling.*

Amount paid under contract . . . . .	10,393 39
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*Clearing, Grading, Loam, and General Work.*

Grading: amount paid under contract . . . . .	\$1,749 66
Engineers and expenses . . . . .	502 26
Loam: labor and materials . . . . .	221 53
Grading: labor and mate- rials . . . . .	79 26
Clearing grounds: labor and materials . . . . .	72 33
General work: labor and materials . . . . .	8 04
	<hr/>
	2,633 08

*Plantations.*

Labor and expenses . . . . .	16 00
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*Plans and Designs.*

Landscape architects and expenses . . . . .	1 25
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	\$27,525 22

STRANDWAY.

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . .	\$3,785 75
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*Filling.*

Filling . . . . .	20,292 11
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<i>Amounts carried forward,</i>	<hr/>	<hr/>
	\$24,077 86	\$27,525 22

Amounts brought forward, \$24,077 86 \$27,525 22

*Clearing, Grading, Loam, and General Work.*

Engineers and expenses . . . . .	\$902 07	
Loam: labor and materials . . . . .	515 54	
Grading: labor and materials . . . . .	183 00	
Clearing grounds: labor and materials . . . . .	63 72	
	<hr/>	1,664 33

*Culverts.*

Labor and materials . . . . .	60 50
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*Plans and Designs.*

Landscape architects and expenses . . . . .	42 07
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*Plantations.*

Trees . . . . .	18 80	
	<hr/>	25,863 56

MARINE PARK.

EXPENDITURES FOR CONSTRUCTION.

*Filling.*

Amount paid under contract, \$52,191 88	
Advertising and printing contract . . . . .	49 75
	<hr/>
	\$52,241 63

*Head House.*

Amount paid under contract, \$28,300 00	
City Architect's department, for plans . . . . .	1,953 81
Advertising and printing contracts . . . . .	134 89
	<hr/>
	30,388 70

*Roadways, Sidewalks, Gutters, and Drainage.*

Roadway: amount paid under contract: For broken stone . . . . .	\$11,842 01	
Labor and materials . . . . .	7,162 66	
Gutters: labor and materials . . . . .	2,344 66	
Drainage: labor and materials . . . . .	310 56	
Sidewalks: labor and materials . . . . .	89 28	
	<hr/>	21,749 17

Amounts carried forward, \$104,379 50	<hr/>	\$53,388 78
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Amounts brought forward, \$104,379 50 \$53,388 78

*Clearing, Grading, Loam, and General Work.*

Loam: labor and materials . . .	\$2,948 34	
Engineers and expenses . . .	1,850 34	
Grading: labor and materials . . .	1,468 51	
Clearing grounds: labor and materials . . .	1,231 70	
General work: labor and materials . . .	731 73	
Fence: labor . . .	23 12	
	<hr/>	8,253 74

*Plantations.*

Labor and expenses . . .	3,085 19
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*Electric Lighting.*

Lamp-posts and cable: amount paid under contract . . .	1,958 73
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*Water Supply.*

Water-pipes and labor . . .	1,277 47
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*Temporary Structures.*

Wharf . . .	\$999 10	
Flag-staff . . .	197 85	
Boat-house . . .	35 14	
	<hr/>	1,232 09

*Plans and Designs.*

Landscape architects and expenses . . .	118 52
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*Settees.*

Settees and freight . . .	118 50	
	<hr/>	\$120,423 74

CASTLE ISLAND.

*Clearing, Grading, Loam, and General Work.*

Engineers and expenses . . .	\$201 50	
Grading: labor and materials . . .	16 36	
	<hr/>	\$217 86

*Temporary Structures.*

Fence: labor and materials . . .	\$213 44	
Boat-house: labor and materials . . .	20 68	
Castle Island Bridge . . .	3 70	
	<hr/>	237 82

Amounts carried forward, \$455 68 \$120,423 74 \$53,388 78

Amounts brought forward, \$455 68 \$120,423 74 \$53,388 78

*Settees and Tent.*

Tent: labor . . . . . 6 24

*Fountains.*

Labor . . . . . 3 00  
 ————— 464 92  
 120,888 66

EXPENDITURES FOR BETTERMENTS.

DORCHESTERWAY.

Plans . . . . . \$175 00  
 Advertising and printing . . . . . 98 86  
 ————— \$273 86

STRANDWAY.

Plans . . . . . \$83 10  
 Advertising and printing . . . . . 28 77  
 ————— 111 87  
 385 73

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Roads, Walks, and Buildings.*

Grounds, roads, and walks:  
 labor and expenses . . . . . \$2,759 82  
 Sewer assessment . . . . . 613 61  
 Buildings: labor and ex-  
 penses . . . . . 253 99  
 Signs and notices . . . . . 13 00  
 ————— \$3,640 42

*Park Police.*

Pay of Park keepers . . . . . \$8,641 15  
 Police equipments and sup-  
 plies . . . . . 193 02  
 ————— 8,834 17  
 12,474 59  
 ————— \$187,137 76

CHARLESBANK.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan Public Parks . . . . . \$1,392 88  
 Amount transferred from appropriation for Main-  
 tenance . . . . . 13,196 39  
 ————— \$14,589 27

EXPENDITURES FOR CONSTRUCTION.

*Men's Lavatory Building.*

Advertising and printing con-  
 tract . . . . . \$128 01  
 City Architect's department,  
 for plans . . . . . 353 64  
 Insurance . . . . . 96 00  
 ————— \$577 65  
 Amount carried forward, . . . . . \$577 65

Amount brought forward, \$577 65

*Women's Lavatory Building.*

Walker & Kimball, for plans,	\$169 50	
Advertising and printing contract . . . . .	55 95	
Labor and materials . . . . .	10 17	
	<hr/>	235 62

*Gymnasium Grounds: Grading and General Work.*

Men's gymnasium grounds:		
labor and materials . . . . .	\$91 35	
Grading: labor and materials,	81 96	
General work: labor and materials . . . . .	17 80	
	<hr/>	191 11

*Plantations.*

Labor and expenses . . . . .	312 41
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*Plans and Designs.*

Landscape architects and expenses . . . . .	76 09	
	<hr/>	\$1,392 88

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds and Buildings.*

Men's gymnasium . . . . .	\$4,280 03	
Grounds and walks . . . . .	3,229 18	
Women's gymnasium . . . . .	2,094 84	
Signs and notices . . . . .	2 00	
	<hr/>	\$9,606 05

*Park Police.*

Pay of Park keepers . . . . .	\$3,582 34	
Police equipments . . . . .	8 00	
	<hr/>	3,590 34
		<hr/>
		13,196 39
		<hr/>
		\$14,589 27

WOOD ISLAND PARK.

CONSTRUCTION AND MAINTENANCE.

Amount transferred from loan, Public Parks . . . . .	\$59,846 42	
Amount transferred from appropriation for Maintenance . . . . .	2,151 75	
	<hr/>	\$61,998 17

EXPENDITURES FOR CONSTRUCTION.

*Grading, Loam, and General Work.*

Grading: amount paid under contract . . . . .	\$31,306 19	
Grading: labor and materials,	1,402 61	
Engineers and expenses . . . . .	1,160 47	
General work: labor and materials . . . . .	260 50	
	<hr/>	\$34,129 77
		<hr/>
Amount carried forward,	\$34,129 77	

*Amount brought forward,* \$34,129 77

*Field House.*

Amount paid under contract,	\$17,467 41	
Amount paid under contract		
for heating . . . . .	745 00	
Insurance . . . . .	222 00	
Labor and materials . . . . .	207 71	
	<hr/>	18,642 12

*Bath House.*

Amount paid under contract,	\$2,800 00	
Sturgis & Cabot, for plans . . . . .	140 00	
	<hr/>	2,940 00

*Drainage.*

Amount paid under contract,	\$1,921 30	
Labor and materials . . . . .	125 21	
	<hr/>	2,046 51

*Water Supply.*

Water-pipes and labor . . . . .	1,872 51	
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*Plantations.*

Labor and expenses . . . . .	125 67	
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*Iron Fence and Frame.*

Labor . . . . .	\$44 84	
Advertising contract . . . . .	43 50	
	<hr/>	88 34

*Plans and Designs.*

Landscape architects and expenses . . . . .	1 50	
	<hr/>	\$59,846 42

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Walks, and Buildings.*

Grounds and walks: labor . . . . .	\$633 36	
Buildings: labor . . . . .	353 07	
Signs and notices . . . . .	3 50	
	<hr/>	\$989 93

*Park Police.*

Pay of Park keepers . . . . .	1,161 82	
	<hr/>	2,151 75
		<hr/>
		\$61,998 17

CHARLESTOWN HEIGHTS.

**CONSTRUCTION AND MAINTENANCE.**

Amount transferred from loan Public Parks . . . . .	\$26,830 03	
Amount transferred from appropriation for Maintenance . . . . .	1,749 13	
	<hr/>	\$28,579 16



EXPENDITURES FOR CONSTRUCTION.

*Shelter Building.*

Amount paid under contract, \$20,888 63	
Walker & Kimball, architects, 639 93	
Labor and materials . . . . . 398 73	
Amount paid under contract for heating . . . . . 325 00	
	————— \$22,252 29

*Clearing and Grading Grounds, Loam, and General Work.*

General work : labor and ma- terials . . . . . \$760 31	
Engineers and expenses . . . . . 654 48	
Loam : labor and materials . . . . . 146 58	
Grading : labor and materials, . . . . . 129 90	
Clearing grounds : labor and materials . . . . . 35 99	
Sand courts . . . . . 5 33	
	————— 1,732 59

*Plantations.*

Labor and expenses . . . . .	1,159 61
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*Sidewalks, Gutters, and Drainage.*

Sidewalks : labor and mate- rials . . . . . \$409 34	
Drainage : labor and mate- rials . . . . . 289 76	
	————— 699 10

*Electric Lighting.*

Lamp-posts . . . . .	334 00
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*Steps.*

Labor and materials . . . . .	251 50
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*Settees.*

Settees and freight . . . . .	237 00
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*Retaining Walls.*

Retaining walls : labor and materials . . . . .	153 09
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*Fountains.*

Labor and materials . . . . . 10 85	
	————— \$26,830 03

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Walks, and Buildings.*

Grounds and walks : labor . . . . . \$508 44	
Buildings : labor . . . . . 100 13	
	————— \$608 57

*Park Police.*

Pay of Park keepers . . . . .	1,140 56	
	—————	1,749 13
		————— <u>\$28,579 16</u>

## CHARLESTOWN PLAYGROUND.

**LAND, CONSTRUCTION AND MAINTENANCE.**

Amount transferred from appropriation for Public Parks, Charlestown . . . . .	\$101,661 96	
Amount transferred from loan Public Parks . . . . .	25,014 36	
Amount transferred from appropriation for Maintenance . . . . .	92 45	
		<u>\$126,768 77</u>

## EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . . \$125,030 29

*Clearing and Grading, Grounds, and General Work.*

Grading: labor and materials . . . . .	\$1,541 25	
General work: labor and materials . . . . .	23 75	
Clearing grounds: labor and materials . . . . .	15 97	
		<u>1,580 97</u>

*Plantations.*

Labor and expenses . . . . . 63 06

*Walks and Drainage.*

Walks: labor . . . . . 2 00  
\$126,676 32

## EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Walks, and Buildings.*

Grounds and walks: labor . . . . .	\$80 45	
Buildings . . . . .	12 00	
		<u>92 45</u>
		<u>\$126,768 77</u>

## DORCHESTER PARK.

**LAND, CONSTRUCTION, AND MAINTENANCE.**

Amount transferred from loan Public Parks . . . . .	\$1,588 32	
Amount transferred from appropriation for Maintenance . . . . .	190 00	
		<u>\$1,778 32</u>

## EXPENDITURES FOR LAND.

Expenses in trials of suits . . . . . \$100 00

## EXPENDITURES FOR CONSTRUCTION.

*Temporary Structures.*

Amount paid under contract for Sanitary Buildings . . . . .	\$756 00	
Advertising and printing contract . . . . .	18 95	
		<u>774 95</u>
<i>Amount carried forward,</i>		<u>\$874 95</u>

PARK DEPARTMENT.

*Amount brought forward,* \$874 95

*Clearing and Grading Grounds.*

Clearing grounds . . . . . 12 89

*Plans and Designs.*

C. F. Baxter, surveying . . . . .	\$695 00		
Landscape architects and expenses . . . . .	5 48	700 48	
		<hr/>	\$1,588 32

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Walks, and Buildings.*

Grounds and walks: labor . . . . . \$32 00

*Park Police.*

Pay of Park keepers . . . . .	158 00		
	<hr/>	190 00	
		<hr/>	<u>\$1,778 32</u>

FRANKLIN FIELD.

**LAND, CONSTRUCTION, AND MAINTENANCE.**

Amount transferred from loan Public Parks . . . . .	\$89,817 64		
Amount transferred from appropriation for Maintenance . . . . .	784 49	<hr/>	<u>\$90,602 13</u>

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . . .	\$71,092 09		
Expenses in trials of suits . . . . .	300 00	<hr/>	\$71,392 09

*Clearing, Grading, Drainage, and General Work.*

Grading: labor and materials . . . . .	\$6,728 48		
Clearing grounds: labor and materials . . . . .	1,797 86		
Drainage: labor and materials . . . . .	911 27		
Engineers and expenses . . . . .	153 83	<hr/>	9,591 44

*Plantations.*

Labor and expenses . . . . . 8,504 37

*Plans and Designs.*

Landscape architects and expenses . . . . .	5 35	<hr/>	\$89,493 25
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EXPENDITURES FOR BETTERMENTS.

Plans . . . . .	\$263 00		
Advertising and printing . . . . .	61 39	<hr/>	324 39

<i>Amount carried forward,</i>		<hr/>	\$89,817 64
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*Amount brought forward,* \$89,817 64

EXPENDITURES FOR MAINTENANCE.

*Care of Grounds, Walks, and Buildings.*

Grounds and walks: labor . . . \$17 86

*Park Police.*

Pay of Park keepers . . . 766 63

784 49

\$90,602 13

PUBLIC PARK, NORTH END.

**LAND AND CONSTRUCTION.**

From Appropriation for Public Park, North End . . . \$199,563 44

EXPENDITURES FOR LAND AND CONSTRUCTION.

*Land.*

Amount paid for land . . . \$194,246 74

Surveying and expenses . . . 160 90

\$194,407 64

*Clearing, Grading, and General Work.*

Clearing grounds:  
amount paid un-  
der contract . \$3,400 00

Advertising and  
printing contract, 37 80

\$3,437 80

General work: labor and  
materials . . . 880 65

Engineers and expenses . 384 62

Fence: labor and materials . 154 87

\$4,857 94

*Plans and Designs.*

Landscape architects and expenses . 239 77

*Sidewalks, Gutters, and Drainage.*

Sidewalks: labor and materials . . . 58 09

5,155 80

\$199,563 44

PLAYSTEAD, NORTH BRIGHTON.

**LAND ACCOUNT.**

From Appropriation for Playstead, North Brighton . . . \$21,114 83

EXPENDITURES.

Amount paid for land . . . \$21,000 00

Surveying . . . 114 83

\$21,114 83

DEPARTMENT EXPENSES.

Amount transferred from appropriation for Maintenance . . . \$8,307 19

**GENERAL ACCOUNT.**

Salary of Secretary and Clerk . . . . .	\$3,000 00	
Clerical service at office . . . . .	1,800 00	
Telephone, messenger service, and incidental expenses . . . . .	1,263 30	
Printing annual report, etc. . . . .	1,199 42	
Photographs of park system . . . . .	277 50	
Expense of visit of City Council to Park system . . . . .	225 25	
Plans and designs . . . . .	177 49	
Stationery . . . . .	120 12	
Office furniture . . . . .	107 40	
World's Fair exhibit . . . . .	78 71	
Carriage-hire . . . . .	58 00	
		<u>\$8,307 19</u>

**APPROPRIATION FOR MAINTENANCE.**

Appropriation for the financial year 1894-5 . . . . .	\$100,000 00	
Amount transferred by order of City Council, May 10, 1894 . . . . .	7,000 00	
Amount transferred by order of City Council, June 11, 1894 . . . . .	5,000 00	
Amount transferred by City Auditor . . . . .	3,898 61	
		<u>\$115,898 61</u>

*Expenditures.*

Fens, Riverway, Leverett Park, Jamaica Park, and Arborway . . . . .	\$34,640 34	
Franklin Park . . . . .	32,727 43	
Charlesbank . . . . .	13,196 39	
Marine Park System . . . . .	12,474 59	
Park Department . . . . .	8,307 19	
Arnold Arboretum . . . . .	7,639 83	
Wood Island Park . . . . .	2,151 75	
Commonwealth Avenue . . . . .	1,945 02	
Charlestown Heights . . . . .	1,749 13	
Franklin Field . . . . .	784 49	
Dorchester Park . . . . .	190 00	
Charlestown Playground . . . . .	92 45	
		<u>\$115,898 61</u>

**INCOME.**

*Receipts.*

Received from premium on loans . . . . .	\$302,615 00	
Received from rents and sale of buildings, wool, sheep, grass, and wood . . . . .	5,854 96	
		<u>\$308,469 96</u>

*Payments.*

Premium on loan paid into Public Park Sinking-Fund . . . . .	302,615 00	
Income carried to General City Income . . . . .	5,854 96	
		<u>\$308,469 96</u>

**APPROPRIATION FOR PUBLIC PARKS, CHARLESTOWN.**

Balance unexpended January 31, 1894 . . . . .	\$101,661 96
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*Expenditures.*

Paid on account of Charlestown Playground . . . . .	\$101,661 96
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## APPROPRIATION FOR PUBLIC PARK, NORTH END.

\*Public Park Loan, Wards 6 and 7, issued 1894-95 . . . \$200,000 00

*Expenditures.*

Paid on account of Public Park, North End . . . \$199,563 44  
 Balance unexpended January 31, 1895 . . . 436 56  
\$200,000 00

## APPROPRIATION FOR PLAYSTEAD, NORTH BRIGHTON.

Amount of appropriation authorized by City Council, July 10,  
 1893 . . . . . \$25,000 00

*Expenditures.*

Paid on account of Playstead, North Brighton . . . \$21,114 83  
 Balance unexpended January 31, 1895 . . . 3,885 17  
\$25,000 00

## APPROPRIATION FOR PUBLIC PARKS.

Public Park Loan, issued in October, 1894 . . . \$1,500,900 00  
 Public Park Loan, issued in January, 1895 . . . 1,000,000 00  
 Balance unexpended January 31, 1894 . . . 24,584 84  
 Crushed stone appropriation for street improve-  
 ments . . . . . 50,000 00  
\$2,574,584 84

*Expenditures.*

Commonwealth Avenue . . . . . \$85,356 01  
 Fens . . . . . 37,898 80  
 Riverway . . . . . 201,484 54  
 Leverett Park . . . . . 263,449 36  
 Jamaica Park . . . . . 389,016 79  
 Arborway . . . . . 204,976 65  
 Arnold Arboretum . . . . . 6,081 02  
 West Roxbury Parkway . . . . . 4,251 56  
 Franklin Park . . . . . 233,064 82  
 Dorchesterway . . . . . 27,525 22  
 Strandway . . . . . 25,863 56  
 Marine Park . . . . . 120,888 66  
 Charlesbank . . . . . 1,392 88  
 Wood Island Park . . . . . 59,846 42  
 Charlestown Heights . . . . . 26,830 03  
 Charlestown Playground . . . . . 25,014 36  
 Dorchester Park . . . . . 1,588 32  
 Franklin Field . . . . . 89,493 25  
 Betterment expenses . . . . . 1,686 21  
 Balance unexpended January 31, 1895 . . . 768,876 38  
\$2,574,584 84

\* Chapter 282, Acts of 1893, authorizes the taking of lands of an assessed value not exceeding \$300,000, and the issue of bonds to an amount necessary to pay for such lands, and a further amount not exceeding \$50,000, to be used to meet the expense of preparing said lands for public use.

II.

*Summary of Expenditures on Account of Land, Construction, and Betterments for the Financial Year, 1894-95.*

**LAND.**

Main Park System :		
Fens . . . . .	\$15,490	00
Riverway . . . . .	84,211	42
Leverett Park . . . . .	109,365	95
Jamaica Park . . . . .	294,420	08
Arborway . . . . .	93,046	01
Arnold Arboretum . . . . .	266	15
West Roxbury Parkway . . . . .	3,561	75
Franklin Park . . . . .	10,673	74
	<hr/>	\$611,035 10
Marine Park System :		
Dorchesterway . . . . .	\$2,124	26
Strandway . . . . .	3,785	75
	<hr/>	5,910 01
Dorchester Park . . . . .		100 00
Franklin Field . . . . .		71,392 09
Charlestown Playground . . . . .		125,030 29
Public Park, North End . . . . .		194,407 64
Playstead, No. Brighton . . . . .		21,114 83
	<hr/>	\$1,028,989 96

**CONSTRUCTION.**

Main Park System :		
Commonwealth Avenue . . . . .	\$85,356	01
Fens . . . . .	22,408	80
Riverway . . . . .	117,273	12
Leverett Park . . . . .	154,083	41
Jamaica Park . . . . .	94,596	71
Arborway . . . . .	111,930	64
Arnold Arboretum . . . . .	5,814	87
West Roxbury Parkway . . . . .	689	81
Franklin Park . . . . .	222,391	08
	<hr/>	\$814,544 45
Marine Park System :		
Dorchesterway . . . . .	\$25,400	96
Strandway . . . . .	22,077	81
Marine Park . . . . .	120,888	66
	<hr/>	168,367 43
Charlesbank . . . . .		1,392 88
Wood Island Park . . . . .		59,846 42
Charlestown Heights . . . . .		26,830 03
Charlestown Playground . . . . .		1,646 03
Dorchester Park . . . . .		1,488 32
Franklin Field . . . . .		18,101 16
Public Park, North End . . . . .		5,155 80
	<hr/>	1,097,372 52

**BETTERMENTS.**

Commonwealth Avenue . . . . .	\$276	00
Jamaica Park . . . . .	318	56
Arborway . . . . .	381	53
Dorchesterway . . . . .	273	86
Strandway . . . . .	111	87
Franklin Field . . . . .	324	39
	<hr/>	1,686 21
	<hr/>	\$2,128,048 69

## III.

*Summary of Expenditures on Account of Park Construction  
from the Organization of the Board, October 8, 1875, to  
January 31, 1895.*

## MAIN PARK SYSTEM.

## COMMONWEALTH AVENUE.

Roadways, sidewalks, gutters, drainage, and general work . . . . .	\$79,253 55	
Electric lighting . . . . .	5,674 00	
Plantations . . . . .	8,047 63	
Plans and designs . . . . .	22 00	
	<hr/>	\$92,997 18

## FENS.

Filling . . . . .	\$576,811 15	
Excavating, grading, loam, and general work . . . . .	533,983 35	
Roadways, sidewalks, gutters, and drainage . . . . .	347,731 52	
Retaining-walls, curb, and fence . . . . .	118,177 77	
Boylston bridge . . . . .	92,011 43	
Plantations . . . . .	69,788 69	
Charlesgate bridge . . . . .	56,675 79	
Agassiz bridge . . . . .	52,013 50	
Stony-brook bridge . . . . .	40,007 11	
Railroad bridge . . . . .	39,995 04	
Fen bridge . . . . .	27,619 81	
Plans, designs, and superintendence . . . . .	27,174 23	
Office and general expenses . . . . .	14,114 92	
Machinery, tools, etc. . . . .	13,797 11	
Electric lighting . . . . .	6,887 23	
Surveying . . . . .	5,472 16	
Stony-brook channel and gatehouse . . . . .	1,976 28	
Water supply, settees, and live-stock . . . . .	1,417 48	
	<hr/>	2,025,654 57

## RIVERWAY.

Excavating, grading, loam, and general work . . . . .	\$176,102 78	
Filling . . . . .	104,143 90	
Roadways, sidewalks, gutters, and drainage . . . . .	80,122 58	
Audubon bridge . . . . .	39,654 27	
Bride-path bridge . . . . .	32,929 09	
Administration building . . . . .	25,839 57	
Foot-bridges and culverts . . . . .	14,329 67	
Tremont-street bridge . . . . .	13,273 53	
Plantations . . . . .	9,581 53	
Brookline-avenue bridge . . . . .	8,936 82	
Bellevue-street bridge . . . . .	8,163 96	
Surveys, plans, designs, and superintendence . . . . .	5,210 41	
Retaining-wall . . . . .	4,830 57	
Shelter . . . . .	4,513 65	
Electric lighting . . . . .	2,734 57	
Water supply and settees . . . . .	1,736 31	
Machinery, tools, etc. . . . .	468 75	
Gatehouse . . . . .	58 30	
	<hr/>	532,630 26

*Amount carried forward,*

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\$2,651,282 01



PARK DEPARTMENT.

27

*Amount brought forward,*

\$2,651,282 01

LEVERETT PARK.

Excavating, clearing, grading, loam, and general work . . . . .	\$174,122 74
Roadways, sidewalks, gutters, and drainage . . . . .	68,921 01
Retaining-walls, steps, and culverts . . . . .	34,177 65
Leverett-pond bridge . . . . .	9,757 46
Plantations . . . . .	9,412 88
Foot-bridges and culverts . . . . .	6,368 46
Plans and designs . . . . .	5,179 48
Electric lighting . . . . .	4,497 81
Machinery, tools, etc. . . . .	3,049 75
Water supply and settees . . . . .	1,005 76
Filling . . . . .	15 75

316,508 75

JAMAICA PARK.

Clearing and grading grounds, loam, and general work . . . . .	\$50,496 12
Roadways, sidewalks, gutters, and drainage . . . . .	37,231 52
Retaining-walls and steps . . . . .	13,332 68
Water supply and settees . . . . .	5,963 19
Plantations . . . . .	3,641 15
Surveys, plans, designs, and superintendence . . . . .	2,916 19
Machinery, tools, etc. . . . .	1,968 75
Electric lighting . . . . .	1,622 50
Pine Bank Refectory . . . . .	294 56

117,466 66

ARBORWAY.

Roadways, sidewalks, gutters, and drainage . . . . .	\$82,379 08
Clearing and grading grounds, loam, and general work . . . . .	68,474 14
Culverts . . . . .	5,489 53
Water supply and settees . . . . .	4,899 16
Stony-brook bridge . . . . .	4,432 93
Electric lighting . . . . .	3,028 00
Filling . . . . .	2,819 16
Machinery, tools, etc. . . . .	1,968 75
Plantations . . . . .	176 78
Plans and designs . . . . .	94 22

173,761 75

ARNOLD ARBORETUM.

Roadways, sidewalks, gutters, and drainage . . . . .	\$220,866 72
Boundary walls and gateways . . . . .	4,358 02
Plans, designs, and superintendence . . . . .	1,396 22
Plantations . . . . .	713 41
Settees . . . . .	129 64
Surveying . . . . .	100 00

227,564 01

WEST ROXBURY PARKWAY.

Clearing and grading ground, loam, and general work . . . . .	\$638 55
Plans, designs, and superintendence . . . . .	51 26

689 81

FRANKLIN PARK.

Roadways, sidewalks, and gutters . . . . .	\$636,395 42
Clearing and grading grounds, drainage, and general work . . . . .	424,476 23

*Amounts carried forward,*

\$1,060,871 65 \$3,487,272 99

<i>Amounts brought forward,</i>	\$1,060,871 65	\$3,487,272 99
Plantations . . . . .	94,259 33	
Seaver-street improvement . . . . .	75,796 64	
Shelter and Overlook . . . . .	60,561 54	
Forest Hills bridge . . . . .	42,418 77	
Scarboro' Pond . . . . .	40,943 11	
Park wall and gateways . . . . .	30,672 86	
Arbor, Schoolmaster's hill . . . . .	28,299 90	
Scarboro' Pond bridges . . . . .	26,561 58	
Plans, designs, and superintendence . . . . .	24,550 59	
Refectory building . . . . .	20,959 31	
Ellicott arch . . . . .	16,732 21	
Ellicott House . . . . .	14,411 25	
Ellicottdale . . . . .	12,542 94	
Structures . . . . .	11,334 90	
Machinery, tools, etc. . . . .	11,145 38	
Playstead and flag-staff . . . . .	10,399 76	
Water supply, fountains, and settees . . . . .	10,281 06	
Propagating house . . . . .	8,205 55	
Pergola wall and terrace . . . . .	5,206 76	
Electric lighting . . . . .	5,108 75	
Terrace wall . . . . .	3,956 05	
Concourse, Scarboro' hill . . . . .	3,569 80	
Culverts . . . . .	3,129 34	
Carriage shelter . . . . .	2,613 81	
Reservoir . . . . .	694 47	
	<hr/>	1,625,227 31

## MARINE PARK SYSTEM.

## DORCHESTERWAY.

Filling . . . . .	\$19,391 38	
Roadways, sidewalks, gutters, and drainage . . . . .	15,780 95	
Grading, loam, and general work . . . . .	7,923 87	
Plans, designs, and superintendence . . . . .	1,313 04	
Culverts . . . . .	653 00	
Plantations . . . . .	102 90	
	<hr/>	45,165 14

## STRANDWAY.

Filling . . . . .	\$20,292 11	
Clearing, grading, loam, and general work . . . . .	1,693 58	
Plans, designs, and superintendence . . . . .	70 01	
Culverts . . . . .	60 50	
Plantations . . . . .	18 80	
	<hr/>	22,135 00

## MARINE PARK.

Filling, grading, loam, and general work . . . . .	\$500,790 27	
Iron pier and rail . . . . .	175,571 99	
Pierhead . . . . .	67,232 97	
Structures, temporary pier, and gas-lights . . . . .	43,796 44	
Roadways, sidewalks, gutters, and drainage . . . . .	37,920 52	
Head-house . . . . .	30,388 70	
Bulkhead . . . . .	4,996 00	
Plans, designs, and superintendence . . . . .	3,789 49	
Plantations . . . . .	3,098 19	
Electric lighting . . . . .	2,453 04	
Water supply, settees, and fence . . . . .	1,988 04	
	<hr/>	872,025 65

## CASTLE ISLAND.

Temporary buildings and structures . . . . .	\$24,973 98	
Clearing and grading grounds . . . . .	3,433 57	
	<hr/>	
<i>Amounts carried forward,</i>	\$28,407 55	\$6,051,826 09

PARK DEPARTMENT.

29

<i>Amounts brought forward,</i>	\$28,407 55	\$6,051,826 09
Water supply, settees, and tent . . . . .	2,002 98	
Plantations . . . . .	1,407 65	
Plans, designs, and superintendence . . . . .	52 92	
	<hr/>	31,871 10

CHARLESBANK.

Sea-wall and filling . . . . .	\$176,353 90	
Gymnasium grounds, filling, loam, and general work . . . . .	51,914 37	
Plantations . . . . .	12,032 91	
Walks and drainage . . . . .	11,054 66	
Men's gymnasium building . . . . .	10,492 83	
Women's gymnasium building and children's shelter . . . . .	9,269 91	
Iron rail, fence, and gas-lights . . . . .	8,367 29	
Plans, designs, and superintendence . . . . .	2,076 27	
Water supply . . . . .	589 98	
Machinery, tools, etc. . . . .	56 00	
	<hr/>	282,208 12

WOOD ISLAND PARK.

Grading, loam, and general work . . . . .	\$89,930 88	
Neptune bridge . . . . .	32,320 63	
Filling . . . . .	29,852 82	
Field-house . . . . .	19,132 62	
Plantations . . . . .	5,274 62	
Drainage . . . . .	5,515 44	
Bath-house . . . . .	3,105 13	
Water supply . . . . .	1,872 51	
Plans, designs, and superintendence . . . . .	1,488 03	
Culverts . . . . .	425 00	
Iron fence . . . . .	88 34	
	<hr/>	189,006 02

CHARLESTOWN HEIGHTS.

Grading, loam, and general work . . . . .	\$26,899 91	
Shelter building . . . . .	26,438 16	
Retaining-wall . . . . .	13,922 14	
Sidewalks, gutters, and drainage . . . . .	8,129 64	
Plantations . . . . .	6,780 63	
Steps . . . . .	3,971 42	
Plans, designs, and superintendence . . . . .	1,330 59	
Electric lighting . . . . .	334 00	
Water supply, settees, and fountains . . . . .	300 86	
	<hr/>	88,107 35

CHARLESTOWN PLAYGROUND.

Grading, loam, and general work . . . . .	\$5,218 75	
Plantations . . . . .	367 17	
Plans, designs, and superintendence . . . . .	126 56	
Walks and drainage . . . . .	8 00	
	<hr/>	5,720 48

DORCHESTER PARK.

Clearing and grading grounds . . . . .	\$1,313 94	
Temporary structures . . . . .	774 95	
Plans, designs, and superintendence . . . . .	700 48	
	<hr/>	2,789 37

*Amount carried forward,*

\$6,651,528 53

*Amount brought forward,*

\$6,651,528 53

## FRANKLIN FIELD.

Clearing and grading grounds . . . . .	\$27,527 48	
Drainage . . . . .	25,778 77	
Plantations . . . . .	10,468 37	
Plans, designs, and superintendence . . . . .	105 31	
	<hr/>	63,879 93

## PUBLIC PARK, NORTH END.

Clearing grounds and general work . . . . .	\$4,857 94	
Plans, designs, and superintendence . . . . .	239 77	
Sidewalks . . . . .	58 09	
	<hr/>	5,155 80

## SUNDRY ACCOUNTS.

General Account . . . . .	\$73,987 50	
Park Nursery . . . . .	29,947 07	
	<hr/>	103,934 57
		<hr/>
		\$6,824,498 83

## IV.

*Summary of Expenditures on Account of Public Park Land, Construction, and Betterments from the Organization of the Board, October 8, 1875, to January 31, 1895.*

## LAND.

Main Park System:		
Fens . . . . .	\$596,254 49	
Riverway . . . . .	452,457 53	
Leverett Park . . . . .	259,016 17	
Jamaica Park . . . . .	645,862 69	
Arborway . . . . .	131,507 08	
Arnold Arboretum . . . . .	74,043 38	
West Roxbury Parkway . . . . .	3,561 75	
Franklin Park . . . . .	1,551,196 63	
	<hr/>	\$3,713,899 72
Marine Park System:		
Dorchesterway . . . . .	\$59,887 89	
Strandway . . . . .	356,830 97	
Marine Park . . . . .	232,972 57	
	<hr/>	649,691 43
Charlesbank . . . . .	373,916 99	
Wood Island Park . . . . .	132,800 00	
Charlestown Heights . . . . .	50,538 02	
Charlestown Playground . . . . .	172,923 31	
Dorchester Park . . . . .	31,401 13	
Franklin Field . . . . .	127,812 36	
Public Park, North End . . . . .	194,407 64	
Playstead, North Brighton . . . . .	21,114 83	
Sundry surveys . . . . .	2,919 19	
	<hr/>	\$5,471,424 62

## CONSTRUCTION.

Main Park System:		
Commonwealth Avenue . . . . .	\$92,997 18	
Fens . . . . .	2,025,654 57	
	<hr/>	
<i>Amounts carried forward,</i>	\$2,118,651 75	\$5,471,424 62

<i>Amounts brought forward,</i>	\$2,118,651 75	\$5,471,424 62
Riverway . . . . .	532,630 26	
Leverett Park . . . . .	316,508 75	
Jamaica Park . . . . .	117,466 66	
Arborway . . . . .	173,761 75	
Arnold Arboretum . . . . .	227,564 01	
West Roxbury Parkway . . . . .	689 81	
Franklin Park . . . . .	1,625,227 31	
	<hr/>	\$5,112,500 30
Marine Park System :		
Dorchesterway . . . . .	\$45,165 14	
Strandway . . . . .	22,135 00	
Marine Park . . . . .	872,025 65	
Castle Island . . . . .	31,871 10	
	<hr/>	971,196 89
Charlesbank . . . . .		282,208 12
Wood Island Park . . . . .		189,006 02
Charlestown Heights . . . . .		88,107 35
Charlestown Playground . . . . .		5,720 48
Dorchester Park . . . . .		2,789 37
Franklin Field . . . . .		63,879 93
Public Park, North End . . . . .		5,155 80
General Account . . . . .		73,987 50
Park Nursery . . . . .		29,947 07
		<hr/>
		6,824,498 83

**BETTERMENTS.**

Betterment expenses . . . . .	13,356 10
	<hr/>
	\$12,309,279 55

**PARK BETTERMENTS COLLECTED BY CITY COLLECTOR,  
TO FEBRUARY 1, 1895.**

	Assessm'ts committed to Collector.	Abated.	Net Assessm'ts.	Collected.	Outstand'g February 1, 1895.
Public Park, Back Bay . . . . .	\$434,600 00	\$143,126 73	\$291,473 27	\$290,404 27	\$1,069 00
Marine Park . . . . .	23,543 00	12,616 80	10,926 20	10,926 20	. . . . .
Franklin Park . . . . .	135,029 00	122,000 66	13,028 34	13,028 34	. . . . .
Parkway, Old Harbor . . . . .	60,789 00	49,086 80	11,702 20	8,107 20	3,595 00
Parkway, Muddy River . . . . .	108,972 00	74,775 00	34,197 00	21,559 00	12,638 00
Parkway, West Roxbury . . . . .	154,107 00	43,506 00	110,601 00	2,199 00	108,402 00
Parkway, Dorchester . . . . .	9,713 00	463 00	9,250 00	1,281 00	7,969 00
Totals . . . . .	\$926,753 00	\$445,574 99	\$481,178 01	\$347,505 01	\$133,673 00

**PUBLIC PARK DEBT.**

*Liabilities.*

Total loan outstanding, January 31, 1895 . . . . . \$10,849,000 00

*Resources.*

Resources of Sinking Fund, January 31, 1895 . . . . . 1,855,272 92

Net debt, January 31, 1895 . . . . . \$8,993,727 08

## PARK CONSTRUCTION.

The following is a summary of the work done on the public parks during the year, a more detailed description of which will be found in the City Engineer's report in the Appendix :

*The Fens.*

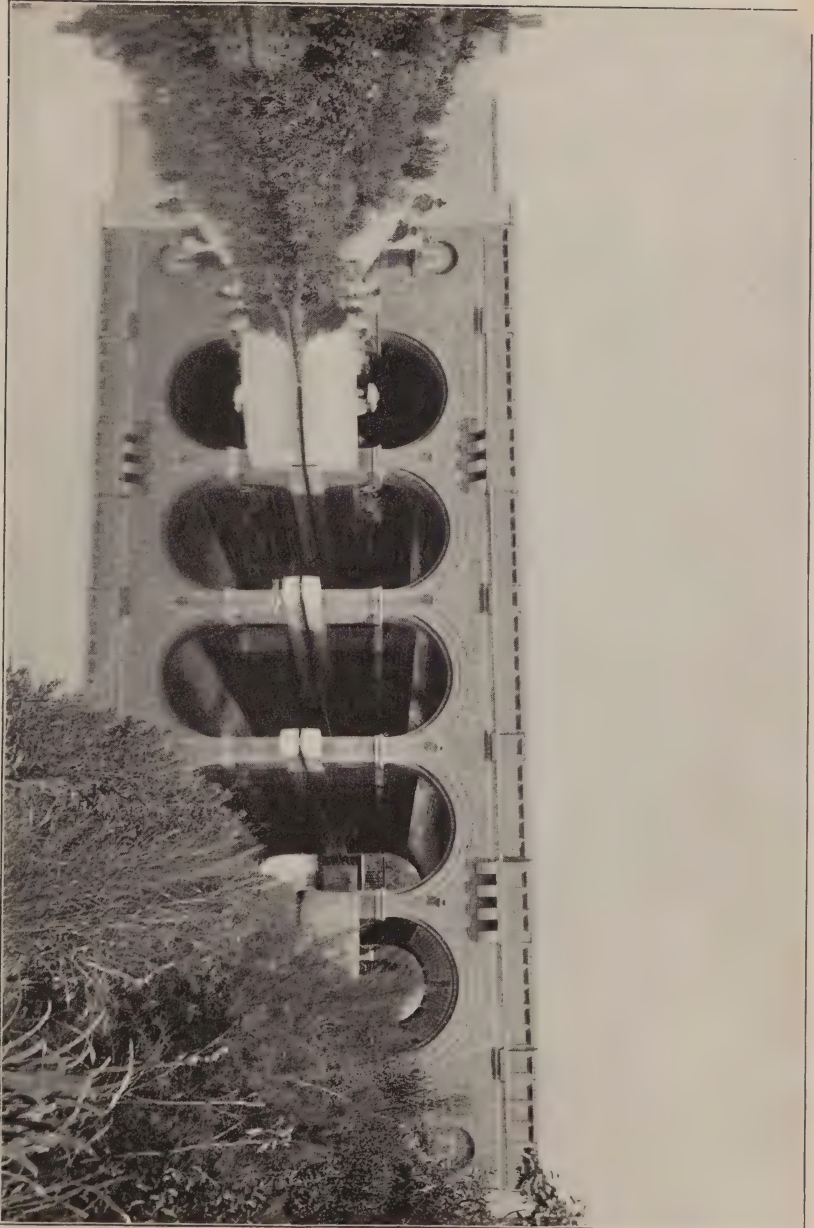
Tremont entrance has been finished, and the stone-crusher and temporary buildings which were used during the progress of the work have been removed. A short section of the shore path leading from this entrance to Fen bridge has also been completed, and considerable work of a miscellaneous character has been done in connection with the finishing of the work referred to.

A foundation for the John Boyle O'Reilly statue was built on the site selected between Boylston road and the Fenway. This location was chosen by the landscape architects, and Daniel C. French and C. Howard Walker, the designers of the memorial.

Lamp-posts for forty-five electric lights have been erected in the Fens, and incandescent lamps have been placed under the arches of Stony-brook bridge, the connecting wires being carried underground by cables drawn through wrought-iron pipes. The lighting of the Fens enabled the department to keep the drives, rides, and walks open at night, which had become necessary on account of the occupancy of several new houses on the Fenway, and the completion of the parkways beyond the Fens.

Two additional houses were built fronting the Fens during the year, and arrangements for further building are in progress. The extension of Boylston street from the Fens to Brookline avenue, and the filling of the adjoining marshes now in progress, should have a tendency to increase the demand for building-lots and the erection of dwellings on the desirable frontage of the Fens.

The Board, recognizing that the rapid growth of the city westward would eventually demand street-railway communication between the two sides of the Parkway at the Fens, and that it would be a very great danger to human life to permit electric cars to traverse Boylston road through the Fens in the immediate neighborhood of the steam railroad, negotiations were begun for securing a right of way from Charlesgate west, through private lands adjoining the railroad, to a street leading to Boylston street, to enable the electric cars to pass under the main entrance to the Fens, rather than across its surface. As a result of these negotia-



THE FENS — STONY BROOK BRIDGE.





tions, the Board secured an easement in a part of the route and the fee of the remainder for street-railway purposes, which can be utilized whenever the railway company desires to avail itself of the opportunity to build this extension, it having been ascertained that the cost of constructing such a way would not be an unreasonable burden on the railway company.

### *Riverway.*

The plantations have been finished, except those around the Administration building and the Bridle-path bridge. The latter has been completed, and the walks throughout the Riverway, excepting the boundary walk, have been graded and surfaced.

The filling of Audubon road and the building of the bridge over the railroad leading to Beacon street have been completed, and all that remains to be done in this section of the parkway is the surfacing of Audubon road and the boundary walk, the building of a wall and steps at the Administration building, the planting of the adjoining grounds, and the erection of a tool-house on the river bank near Tremont street.

A circular stone structure for shelter and tool-house purposes, from plans by Shepley, Rutan, & Coolidge, has been built on the bank near the foot-bridges which carry the walk, leading from Berner street, over the ride and river to the Brookline side. It is expected that this walk will be continued by the town over the railroad by a bridge to Chapel street near the Longwood station. The water in the river was raised to its high level early in the summer, giving the Riverway an attractive appearance which will yearly improve with the growth of the young plantations along its banks.

A new bridge to displace the unsightly wooden one at Longwood avenue is very much needed, and as Brookline will share the expense, arrangements should be made with the town authorities to join in the building of a permanent stone structure at an early day. A preliminary sketch for a bridge has been prepared by Shepley, Rutan, & Coolidge, the estimated cost of which, in rock-faced ashlar with the soffits of the arches in brick, is \$153,000. The proportion of cost to be borne by the city will not exceed \$75,000.

### *Leverett Park.*

The work on this park has progressed rapidly, with the aid of a considerable force from the Street Department. The ledge on the eastern border was removed, and the stone was used on the driveways and walks, and for building walls and

culverts. The drive was finished from Tremont street to Perkins street, and opened for travel in the fall. The ride and walks were also completed, and retaining-walls, steps, and culverts have been built where needed.

Perkins and Chestnut streets, on the southerly border of the park, have been cut down to modify the steep grade which formerly existed near the junction of these streets. This change of grade and the widening of the roads involved the building of retaining-walls and the lowering of the water and gas pipes, which consumed a great deal of time, and required the closing of the streets for a considerable part of the summer. The work, which included the building of stairways, is completed, with the exception of some coping and pointing of the retaining and parapet walls.

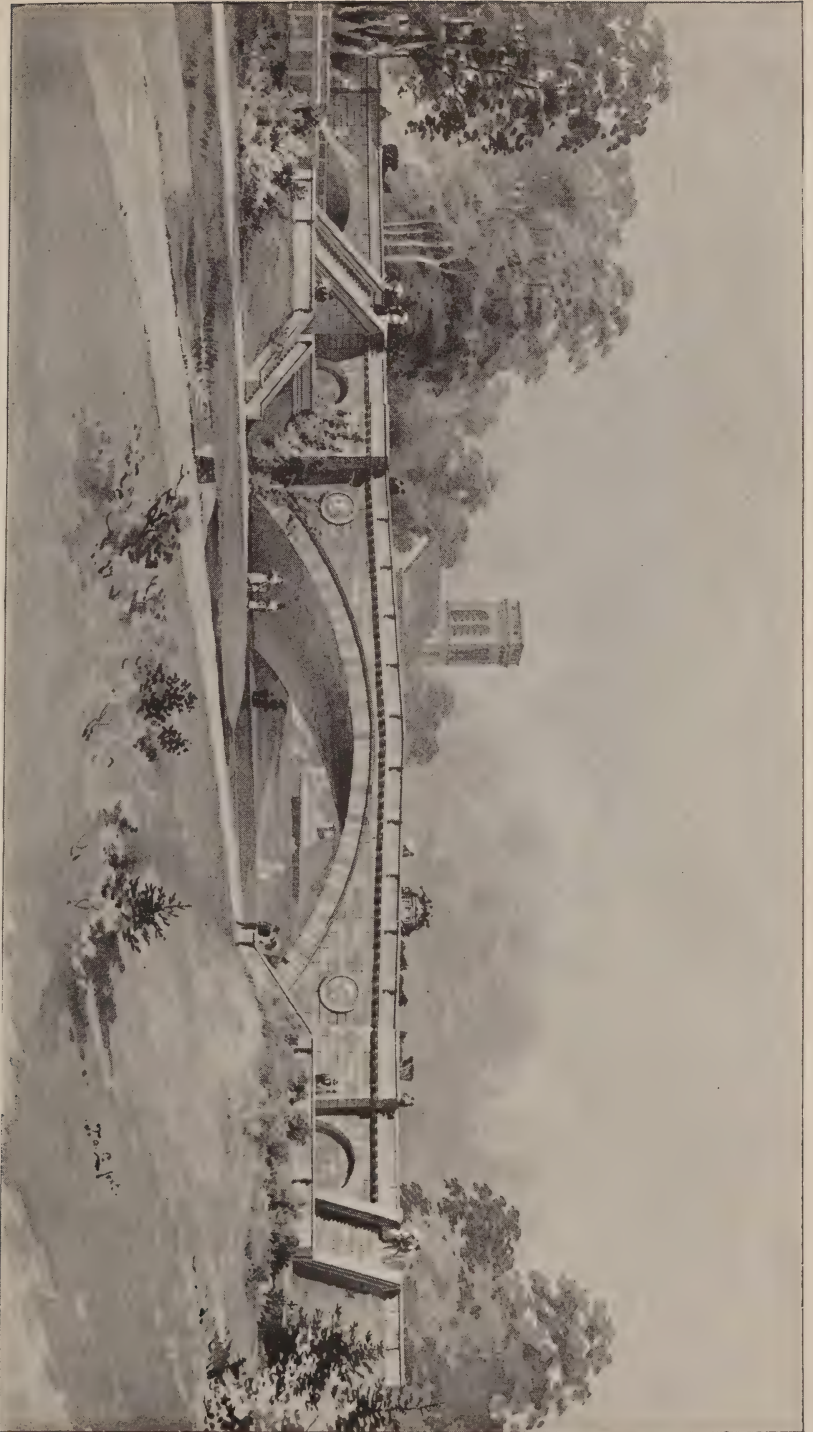
A stone bridge over the entrance to a cove on the easterly side of Leverett pond was built under contract, and the adjoining grounds were graded and prepared for planting, which will be done in the spring.

The only extensive works required to finish this park are the plantations and boundary walks. Several small structures for shelter purposes, as provided in the plans, will also be needed.

The practical completion of this park opens to use a most varied and attractive pleasure-resort, with the scenery of a sloping valley rising gradually from the lake at its lower end to a considerable eminence at its head, with numerous smaller ponds compassed with verdant banks and woodsides, among which wind the paths, ending in the sylvan seclusion of Ward's pond, which nestles in a deep depression between the wooded knoll and the high ridge of Perkins street.

#### *Jamaica Park.*

The drive, ride, and walk from Perkins to Prince street along the easterly boundary of the park were finished and opened to travel during the summer. Adjoining the pond the driveway follows the course of old Pond street, widened about twenty-five feet, while the ride and walk are carried nearer the pond by an esplanade along the shore, which is protected on the waterside by a stone wall laid on a slope. This wall will be surmounted by a railing upon which vines will be trained, which will also screen the wall. The site of the ice-houses at the southerly end of the pond, near Eliot street, has been excavated to fill the Arborway and to extend the water surface, forming at high water two land-locked coves of shallow flowage, with steep sloping banks protected by low walls. The abandonment



RIVERWAY -- SKETCH FOR LONGWOOD BRIDGE.



of the project for open-air bathing at these coves, as contemplated in the original plan, leaves the question of the use which will be made of them still in abeyance. Action on a petition of Dr. H. P. Bowditch and others for a high-grade swimming-school at Jamaica pond has also been postponed until the plans for constructing the park are further developed. For the same reason no action has been taken on the plans for a boating and skating pavilion, at the approach to the pond from Pond street, prepared by the City Architect. A temporary landing will, however, be provided here for the boat service. The margin of the pond has been filled in for about twenty feet in width along the Pine Bank and Perkins-street shores to provide a promenade on the water side, the abrupt bank making it impracticable to secure a path of sufficient width between the bank and the original shore. The filling of this narrow strip will not appreciably diminish the water area, or affect the sylvan aspect of the pond at the high-water level which will be maintained in the future. There will, moreover, be a distinct gain in appearance over the customary low-water level which has prevailed in summer since the pond has been used as a source of water supply. On the westerly side of the pond the present verdure-clad banks will remain untouched at the water's edge, the contour of the ground permitting the paths to be carried inside the shore line.

By the terms of the settlement with the Jamaica Pond Ice Company the ice business terminated with the season of 1894, and the buildings are in process of removal. The dwellings and stable on the Parkman estate have been removed, and a plan has been started for the erection of a memorial to Mr. Parkman on this site, a committee in charge of the matter having applied to the Board for a formal approval of the scheme. The Board also received a communication from the St. Botolph Club, stating that it was the unanimous wish of the members that some steps might be taken looking to the preservation of Mr. Parkman's garden as the most fitting memorial of Mr. Parkman. The Board replied that it would deem it a very felicitous result if some memorial to Mr. Parkman, to be approved by the Board and the Art Commission, should be erected on the Parkman estate, the grounds of which would be so treated that the whole should form a memorial of him.

The buildings at Pine Bank and on the Morse place have been retained for such uses for shelter and refreshment purposes as they can be made to serve. A bronze fountain, by Anne Whitney, has been donated to the city, to be placed

on the terrace at the Pine Bank House, the fountain having been approved for this site by the Art Commission.

#### *Arborway.*

The grading of the Arborway has been substantially finished, excepting the section between South and Washington streets at the crossing of the Providence division of the New York, New Haven & Hartford Railroad, where the railroad will be carried over the parkway and Morton street on five stone arches. The drive and ride, except for the above distance, have been surfaced and opened to travel, and some work has been done on the surfacing of the walks at the Centre-street entrance of the Arboretum. All the drains and catch-basins, except on the traffic road adjoining the Arboretum, have been built, and a culvert for the brook coming from the Arboretum has been constructed across the Arborway. The surfacing of the traffic roads and the interior and boundary walks, together with the tree-planting, will complete the Arborway.

#### *Arnold Arboretum.*

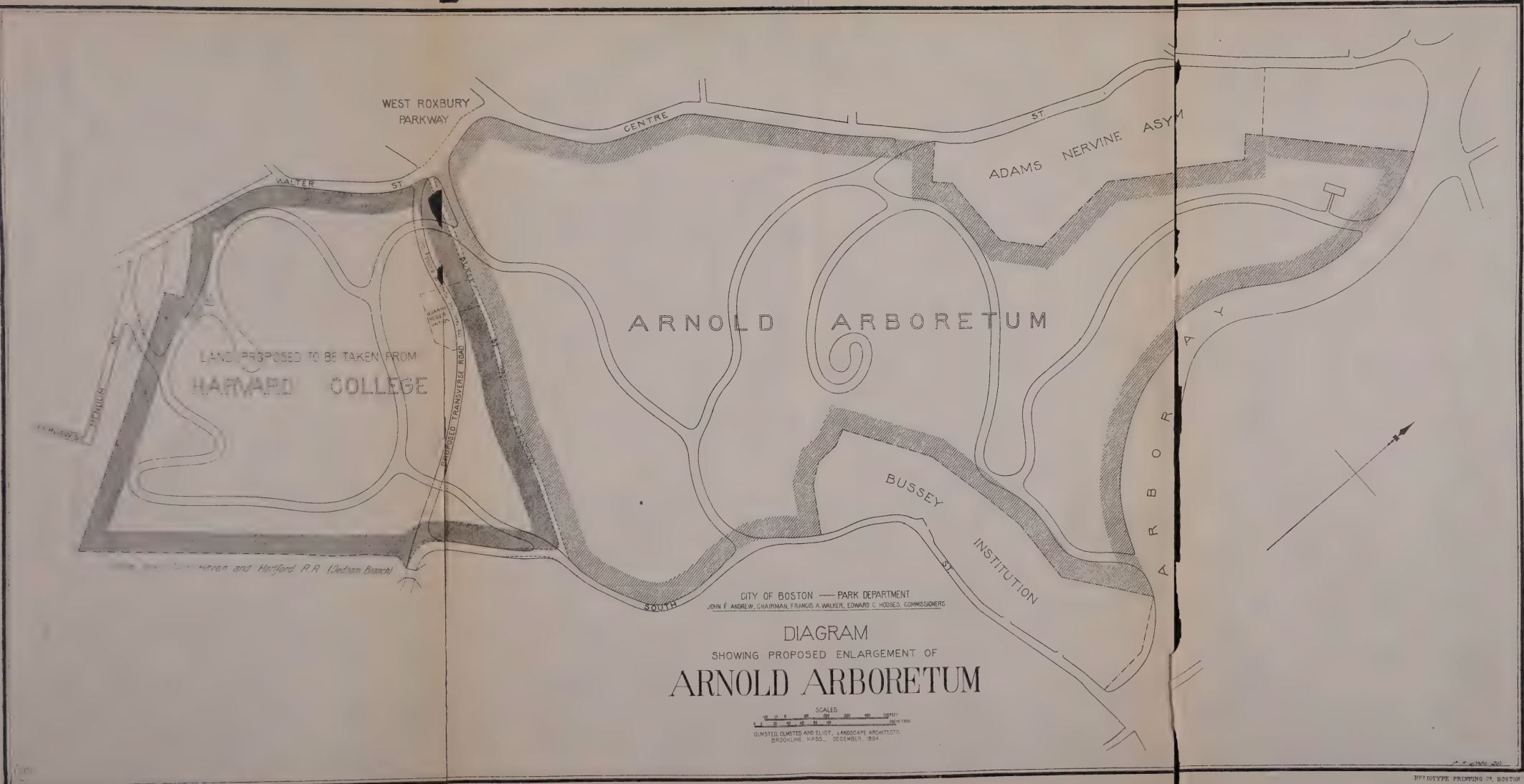
The eastern border of the Arboretum has been graded as a necessary part of the work of grading the Arborway, and an arrangement was made with Harvard College for the grading of the easterly part of the Bussey Institution grounds and the construction of an entrance to said grounds, in consideration of the large amount of surplus material which would thus be obtained for use on the Arborway and in other places.

The additional land acquired on Centre and Walter streets has been cleared up and graded, and a wall is being built on the street boundary. An arrangement will be made with Harvard College for the planting and care of this land, together with the lands near the Centre-street entrance and on Bussey hill that were reserved from the original lease, by including them in the lease which will be made in connection with the proposed addition to the Arboretum of the Bussey land on Peters' hill, belonging to the college.

Topographical surveys and a plan of this land have been made.

#### *Extension of the Arboretum.*

The Board received a proposition from the director of the Arnold Arboretum in behalf of Harvard College, for the addition to the Arboretum of a large area of the college land on Peters' hill, as shown on the map accompanying this



LAND PROPOSED TO BE TAKEN FROM  
HARVARD COLLEGE

ARNOLD ARBORETUM

ADAMS NERVINE ASYM

BUSSEY INSTITUTION

CITY OF BOSTON — PARK DEPARTMENT  
JOHN F. ANDREW, CHAIRMAN, FRANKS A. WALKER, EDWARD C. HODGES, COMMISSIONERS

DIAGRAM  
SHOWING PROPOSED ENLARGEMENT OF  
ARNOLD ARBORETUM

SCALE  
0 10 20 30 40 50 60 70 80 90 100 FEET  
UNLIMITED, CLIMBET AND ELIOT, LANDSCAPE ARCHITECTS,  
BROOKLINE, MASS., DECEMBER, 1894.





report, and on similar terms to those under which the Arboretum was originally laid out, namely : that the city take the land and lease back to the college, for the purposes of the Arboretum, so much of it as is not required for use as driveways and walks, a quarry reservation, and a traffic road ; the college to establish and maintain the plantations of the Arboretum, including a collection of trees and shrubs, suitably classified and labelled, adapted to the advancement of the science of botany and arboriculture and the instruction of the public ; the city to build the driveways shown on the plan within five years, and to finish within two years the driveway running through the valley from Walter street to South street, and to maintain them free of all charge and expense to the college ; the city to provide and maintain a suitable police force for the preservation of order and good conduct, and the observation of the rules and regulations established for the use of the grounds by the public, and to maintain boundary fences where necessary ; the Arboretum to be open at all reasonable times to the inspection of the public, with only such limitations, commonly adopted in well-kept public grounds, as may be found necessary to prevent injury to the trees and plants.

The project receiving the approval of the Board, a bill was introduced, and is now pending in the Legislature, to enable the city and college to carry out the plan. No estimate has been made of the probable cost of building the driveways, but it is believed that a comparatively small annual expenditure will enable the Board to complete the roads, fit for use, within the time named. The quarry reservation will be a valuable acquisition to the city, from the material which it will furnish for the repairing of the park driveways, the supply of stone being large and of the best quality.

#### *Franklin Park.*

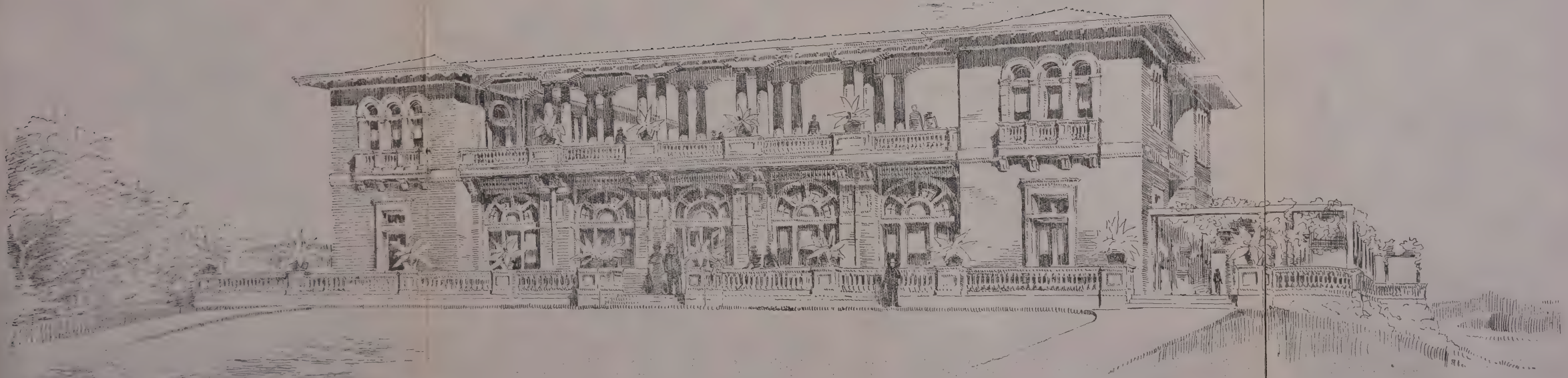
The bridge to carry the Forest Hills entrance over the traffic road leading from Forest Hills street to the cemetery has been built, and the grading of the entrance and traffic road is now in progress. This work will be finished in the spring, thus making the connection of the Arborway with the drives of Franklin Park complete.

Seaver street has been reconstructed along the north-easterly boundary of the park, making a broad road of easy grades into which Columbus avenue now enters at Walnut street. This improvement will add very much to the facility with which the park is approached from the city, thus ensuring a larger use of the park for pleasure and recreation.

Ellicott House, at the entrance to the playgrounds of Ellicottdale, has been completed, and will be opened to the public this season. Toilet, bath, dressing, and check rooms are provided for use in connection with the tennis courts to be laid out at Ellicottdale. It is expected that a branch of the electric railroad will be extended from Washington street through Williams street to a point near Ellicott House and thence through Forest Hills street and the new traffic road to Forest Hills cemetery, thence by way of Morton street to Washington street near the Forest Hills station. This loop will bring passengers to the gates of the park on its western border, where are situated its most picturesque picnic grounds and rambles, and the new playground, and will, when constructed, be a great convenience to visitors.

A refectory is being built on the hill near the junction of Blue Hill avenue and Glen lane, where the old Gleason house formerly stood. The plans provide for a brick and terra-cotta structure, one hundred and twenty-one feet long by sixty-nine feet wide, containing on the ground level a large restaurant, private dining room, service rooms, toilet rooms, and staircases leading to a roof garden which forms in effect a second story having pavilions twenty-one feet square upon each corner, containing stairs, serving and toilet rooms. These pavilions are connected by covered galleries on three sides, the remainder of the space being open to the sky. A basement story under the entire area contains the general kitchen, pastry kitchen, service room, ice room, cold room, cold pantry, refrigerator room, toilet rooms for employees, and storage room, access to which is had through a covered passage under the terrace which runs along the front of the main building. In a sub-basement at the easterly end of the building are boiler rooms, coal rooms, and laundry, access to which is had through the story above and from a large sunken yard. On a level with the main or restaurant floor is the pergola, which extends across the west end and along the southerly side, varying in width from twenty-eight to fifty feet. This is paved with brick and has a trellised roof supported by open groups of wooden columns. In the centre of each group provision is made for vines, which, taking root in the soil below, will twine around the columns and spread themselves out over the latticed roof above. The pergola wall has been built by the department force up to the floor level, the parapet being included in the contract for the building. It is not expected that the refectory will be completed for use this season.

The water-shed of Franklin Park being insufficient to keep



REFECTORY BUILDING FRANKLIN PARK

HARTWELL AND RICHARDSON, ARCHTS.  
BOSTON MASS.



the ponds full during the dry season, some provision to supplement the natural water supply became necessary. It was thereupon determined to utilize the plant of the Jamaica Pond Aqueduct Corporation for this purpose, and to lay an eight-inch pipe from the pumping-station through Chestnut and Perkins streets and the Parkway to a reservoir on Hagborner hill in Franklin Park. This pipe has been laid for the greater part of the distance, with stand-pipes at convenient intervals for road-sprinkling purposes, and the reservoir is now being constructed. This will ensure an adequate water supply, and will enable the Board to complete the ponds, which will add very materially to the landscape of Franklin Park.

A collection of fancy pigeons, including archangels, blondinettes, English owls, fantails, tumblers, magpies, nuns, and turbits, from the estate of the late Edmund Quincy at Isle au Haute, was presented to the department by Dr. H. P. Quincy, and are domiciled at the propagating house in the Nursery at the southerly end of the park, in charge of W. E. Fischer. They now number two hundred and twenty-five, and are a source of much attraction to visitors. A flock of about two hundred sheep also attract considerable notice and are a popular feature of the park, the herding of the sheep by the shepherd dogs being an interesting sight.

### *The Main Park System.*

By the practical completion of the Parkway the department has now provided the public a continuous drive all the way on park land from the Common and Public Garden to Franklin Park, a distance of about seven miles, except in the short interval between South and Washington streets where the delay is due to the raising of the railroad tracks. When this small stretch is finished there will be no interruption in the entire length of parkway drives of eleven miles, which, added to the seven miles of drives in Franklin Park and the two miles in the Arboretum, make a total length of twenty miles of driveways completed and thrown open to the public.

Arrangements were made with the Superintendent of Lamps under which this department supplied the lamp-posts and underground cable for 171 electric arc lights on the Parkway extending from the Common to Franklin Park, and 35 lights on Seaver street and around the Playstead. The lamps are maintained by the Lamp Department, and since they have been in operation the Parkway has become a pleasant drive at night.

To ascertain the extent to which the park system was being used for driving, riding, and cycling, the first season it was opened, a count was made of each of the three classes of pleasure travel on the afternoon of October 28, between the hours of one and seven, with the following result :

	Carriages.	Bicycles.	Saddle horses.	Largest number of carriages in one hour.
The Fens and Riverway . . . . .	3,479	1,283	86	1,208
Riverway and Leverett Park ..	3,114	1,261	129	1,004
Jamaicaway, at Perkins street,	4,173	1,148	76	1,875
Jamaica Park . . . . .	2,986	1,420	73	1,202
Arborway . . . . .	3,434	1,160	48	1,400
Franklin Park, at Ellicott street,	2,280	645	19	950
Franklin Park, at Valley Gate.	3,246	1,723	32	925

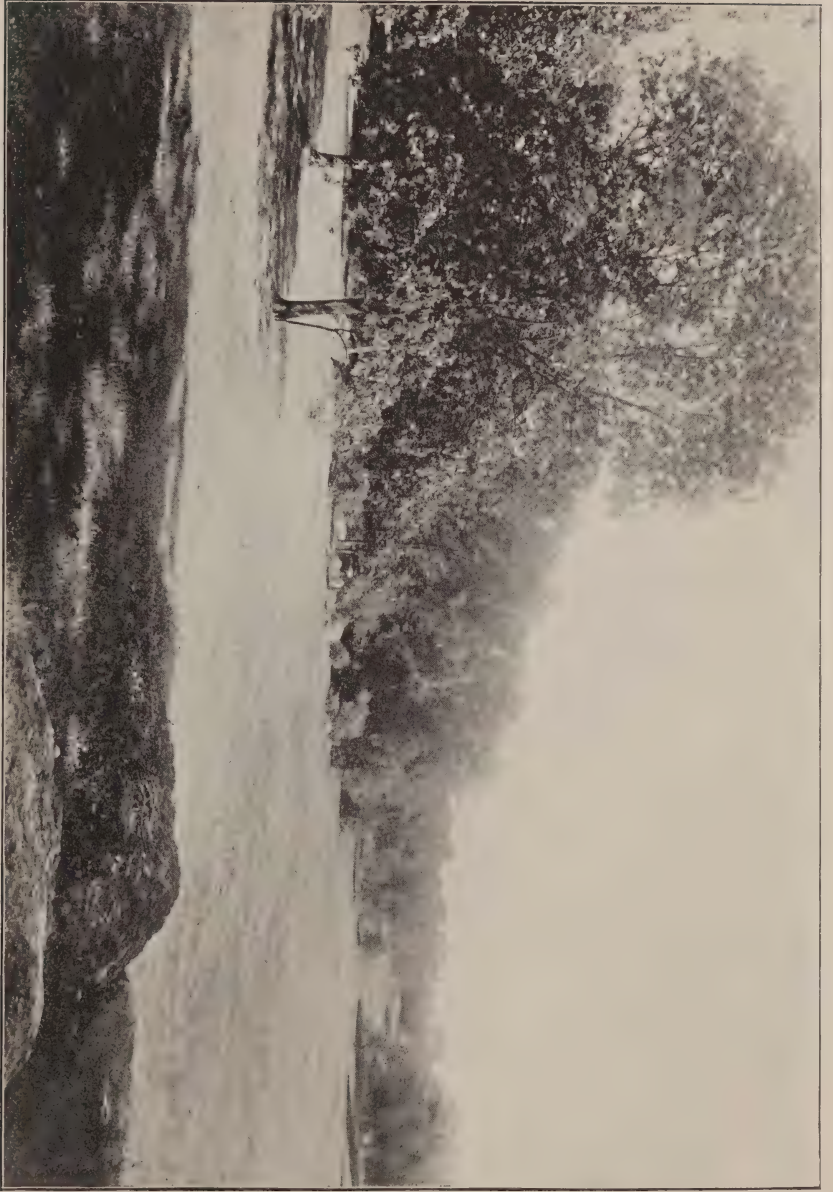
The Board cannot but feel gratified at the extent to which the public is making use of the parks, and it ought not to be a difficult matter to secure the funds necessary to finish the remaining features of the system, now so nearly completed, which will add much to the pleasure-giving results already so apparent.

#### *Franklin Field.*

The meadow which had been underdrained and plowed was levelled off and cultivated during the summer, and sowed to grass in the fall. It was flooded at the beginning of winter, and has been much frequented for skating when the ice was in fair condition. The shallow water makes it an ideal place for this sport, and the Board regrets that its funds for maintenance do not admit of the clearing of snow from the ice, which would very much lengthen the period of usefulness for this purpose. No plans have been made for the further improvement of Franklin Field.

#### *Dorchester Park.*

A topographical map of this park has been made. Some readjustment of boundary between it and the Convalescents' Home of the City Hospital and the addition of some land already belonging to the city would admit of a much better plan for laying out the grounds than its present boundaries



FRANKLIN PARK — PART OF ELLICOTTDALE.





will allow. A plan will soon be prepared showing the required changes.

*Dorchesterway and Strandway.*

The grading of Dorchesterway from Five Corners to Buttonwood street has been completed except the removal of the ledge near the latter street. Some of the surfacing has been done near Everett square to provide an outlet for Pond street, and at the intersection of the Parkway with Buttonwood street. The Board having obtained the consent of the Railroad Commissioners for an overhead bridge where the Parkway crosses the Old Colony division of the New York, New Haven & Hartford Railroad, the contractor for filling between Buttonwood street and the railroad has been allowed to carry on the work to a grade suitable for the overhead crossing. The construction of the bridge can be deferred until the Strandway is built, with which it will connect.

Some temporary filling was done on the Strandway last winter, in connection with the owners of certain land on Fifth street which was encumbered with clay-banks, under which arrangement the Board paid thirty cents per cubic yard for the material delivered on the Strandway, thereby affording employment for men and teams at a time of general business depression. About sixty-seven thousand cubic yards of filling, cart measurement, were received by this arrangement. Since this work was closed, the Board has had several applications to continue it on the same terms, but as the filling of the Strandway by the dredging of the flats is a necessary part of its construction, it has been felt that the continuance of the work as proposed would not be economical on the part of the city.

The Board hoped to be able to take up this year the work of filling that part of the Strandway extending easterly from H street to Marine Park, and had plans prepared by the City Engineer for doing the work by contract. Heavy damages in land takings have, however, so reduced the appropriations for land and construction that if sufficient funds are set aside for the settlement of the remaining land cases, the balance available for construction is insufficient to permit of the plans being carried out, and at the same time provide for the requirements of the day-labor service in the public parks. For this reason, unless a further appropriation is made by the City Council, the construction of the Strandway will have to be deferred for the present. The Board regrets the delay, particularly with regard to the section which imme-

diately adjoins the peninsula of South Boston, where real estate is awaiting this improvement for its development.

### *Marine Park.*

The work of filling the south point from the shore to the iron pier was put under contract in July, and is still in progress. A head-house is also being built under contract at the shore end of the point. This building is flanked on two sides by raised platforms to serve as promenades which will extend to the iron pier, and below and between which five hundred bath houses will be located. The house will contain a general waiting room on the ground or terrazzo floor, with men's and women's waiting and dressing rooms and bath toilets, the spaces under the promenades being devoted to offices for the police, and a foreman's and workmen's room. On the second floor two large cafés, connected by a corridor and service rooms, adjoin the promenades, the rest of this floor being occupied with the upper part of the general waiting room and the stairway to the restaurant, which is on the third floor above the waiting room. Over the cafés are the kitchen and store room, and the attic contains the laundry. It is expected that this house will be completed for use the present season, and with the bath houses and bathing beaches will add much to the attractiveness of this now popular resort. A sketch of the building is published herewith.

The shore drive and the walk from Sixth street to Broadway, and the drive from the Broadway entrance to the temporary bridge to Castle island, have been surfaced, and the drains, water pipes, and electric light cables have been laid. Four electric arc lamps now light the grounds in addition to those on Q street and on the Castle island bridge.

Fifteen electric arc lamps were placed on Castle island, and temporary fences were erected along the sea-walls, in response to a very large petition from workingmen that the island be kept open evenings. A plan for a shelter has been prepared by the City Architect, which is herewith submitted. This building will be situated at the extreme southerly point of the island, where the hospital building now stands, which is to be removed by consent of the War Department.

### *Wood Island Park.*

The grading of the upland to provide for the driveway from Neptune road to the Concourse on West Wood island, which was under contract last year, has been completed so far as the material on the ground would permit.

CITY OF BOSTON - PARK DEPARTMENT

HEAD-HOUSE FOR PUBLIC BATH SYSTEM - MARINE PARK SO. BOSTON.

EDMUND M. WHEELWRIGHT - CITY ARCHT.

A - GENERAL WAITING ROOM. B - WOMEN'S WAITING ROOM.  
C - MEN'S TOILET. D - WOMEN'S BATH TOILET. E - MEN'S BATH TOILET.  
F - WORKMEN'S RM. G - FOREMAN'S RM. H - POLICE ROOM.  
I - SERGEANT'S ROOM. J - BATH HOUSES.  
Shower Baths 98  
Private " 74  
Public " 999  
RESTAURANTS OVER TOILET DOORS.



Chas. ... del '93



The Field House, intended for use in connection with the men's gymnasium and boys' playground, has been completed, and was opened to both sexes during the skating season, the playground being flooded for that purpose. Over 80,000 people availed themselves of this privilege during the twenty-five days on which there was skating. An iron fence has been built around the gymnastic ground, and contracts have been made for the iron frames and gymnastic apparatus.

A section of the women's bath house has also been built to provide temporary shelter and toilet rooms for women. This building can be of little use until some grading is done to make it more accessible, and the completion of the bath houses and bathing beach would add very much to the usefulness of this pleasure-ground without great expense. The work on the park is now so well advanced that its completion ought not to be long delayed, especially as the recent grading leaves it in a rough, unfinished condition, much less attractive than formerly.

#### *Charlesbank.*

The buildings at both the men's and women's gymnasium having been outgrown, as stated in the last Annual Report of the Board, plans for a new building at the men's gymnasium, which will provide proper bathing, dressing, and locker conveniences, were prepared by the City Architect, and the building is now under construction. An addition to the women's lavatory building, to furnish the same facilities to the large number of women and girls who exercise daily in the gymnasium, is also being erected from plans by Walker & Kimball, architects. The completion of these buildings will add much to the health and pleasure of those who frequent the gymnasiums.

For information as to the attendance at these grounds and other details, reference is made to the Annual Reports of the City Engineer and a committee of the Massachusetts Emergency and Hygiene Association, which will be found in the Appendix.

#### *Charlestown Heights.*

The shelter building, retaining walls, and steps have been completed, and the house is ready for use the coming season. The upper story consists of a large open shelter, with a bandstand on the side next to the promenade. Below are the waiting and toilet rooms and quarters for the attendant, the police, and workmen. A paved court in front under the overhanging shelter is provided with seats, and immediately outside are the sand-courts and children's playground. The

house will be heated in cool weather and lighted by electric lights, and with the pleasant hillside grounds should become a favorite resort for the people of Charlestown.

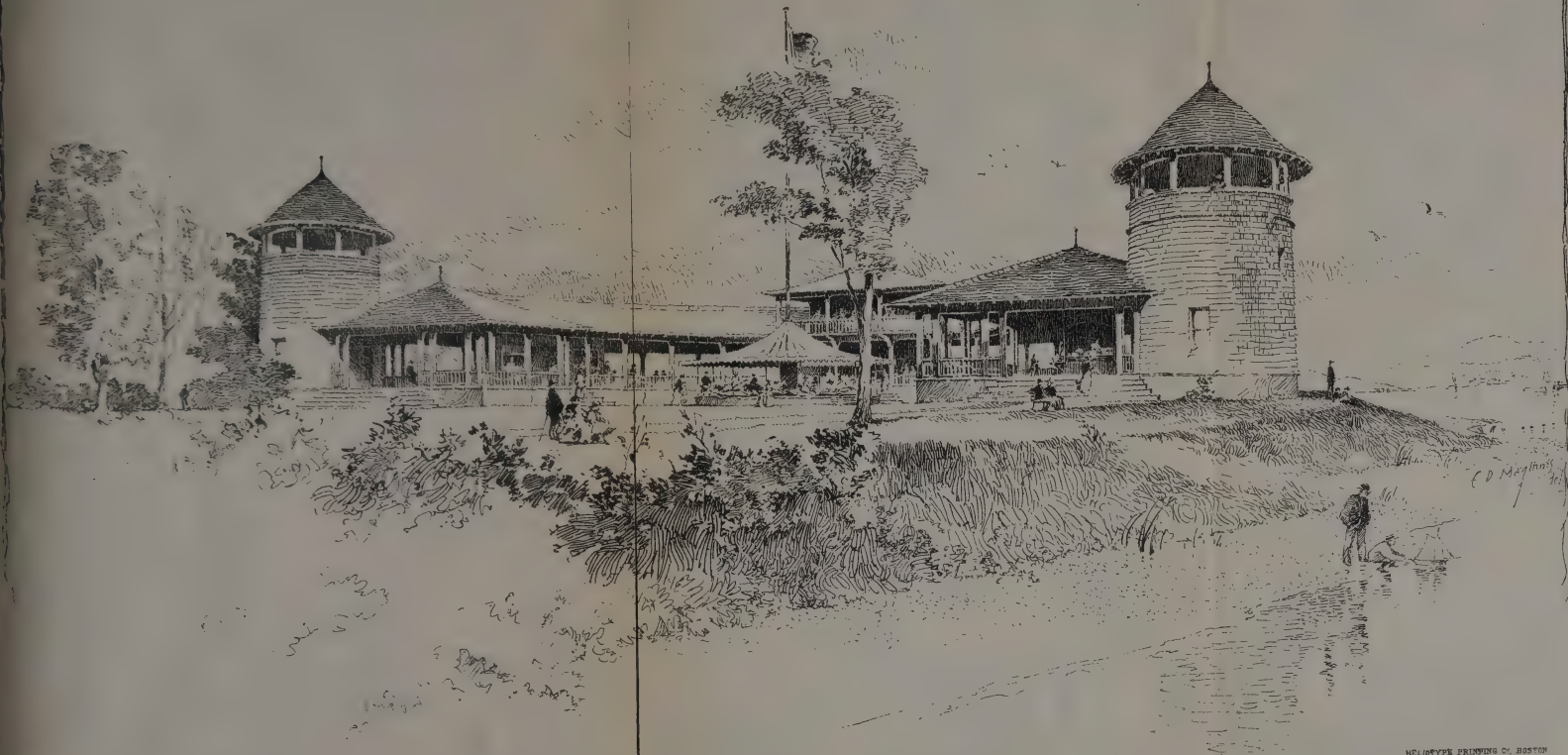
*Charlestown Playground.*

The work of filling the mill-pond is progressing steadily with good results, and without expense to the department except for the levelling. Plans for the building for administration purposes, and to provide dressing rooms for the gymnasium to be established on this ground, have been prepared by Sturgis & Cabot, architects, and are only awaiting the necessary appropriation for its erection.

*Public Park at the North End.*

The tract of land on the water front at the foot of Copps Hill, which was taken by the Board in 1893 for a North End park, has been cleared of the buildings and wooden wharves, and a plan for laying it out has been adopted. Application has been made to the Harbor and Land Commissioners, and the Secretary of War, for the authority to make excavations and fillings necessary to carry out the plan. When this is granted, work will at once be begun on the construction of the park. Reference is made to the subjoined report of the landscape architects for a description of the plan.

CITY OF BOSTON  
SHELTER AND LOOK-OUT AT CASTLE ISLAND  
EDMUND M. WHEELWRIGHT · CITY ARCHT.







*Pending Contracts.*

The pending contracts, with the value of the unperformed work, are as follows :

Contractor.	Place.	Nature of Work.	Date of Finishing specified in Contract.	Amount.	Unperformed.
Moulton & O'Mahoney . . . . .	Leverett Park .	{ Retaining-wall and grading .	{ July 1, '94	\$11,200 00	\$5,919 75
John McNamara .	Jamaica Park,	Pine Bank House,	April 1, '95	10,890 00	10,890 00
Wm. J. Maguire .	Franklin Park,	Roofing Shelter . . . . .		1,875 00	475 00
Charles H. Dodge,	" "	{ Forest Hills bridge . . . . .	Aug. 15, '94	50,920 00	9,372 85
J. J. Flynn . . .	" "	Refectory build'g,	May 21, '95	71,530 00	54,786 25
N. J. Terra Cotta Co. . . . .	" "	{ Terra Cotta, Refectory build'g,	{ May 1, '95	9,905 00	9,905 00
Collins & Ham . .	Dorchesterway,	Filling . . . . .		10,050 00	7,465 81
Gerry & Northup,	Marine Park .	Head-house . . .	May 1, '95	84,885 00	56,585 00
Wm. L. Miller . .	" "	Filling . . . . .	July 1, '95	94,000 00	41,808 12
Lynch & Woodward . . . . .	" "	{ Heating apparatus, Head-house	{ Mar. 27, '95	4,873 00	4,873 00
Max Bachmann .	" "	{ Sgraffito work, Head-house .	May 15, '95	3,300 00	3,300 00
John McNamara .	Charlesbank .	{ Men's Lavatory building . . .	" 1, '95	11,000 00	11,000 00
Frame & McPherson . . . . .	" "	{ Women's Lavatory building	{ " "	6,780 00	6,780 00
Van Dorn Iron Works Co. . . . .	Wood Island Park . . . . .	{ Iron fence and frame . . . . .	{ Jan. 1, '95	2,833 00	2,833 00
				\$374,041 00	\$225,993 78

WEST ROXBURY PARKWAY.

In its last Annual Report the Board referred to the advantages to be obtained by connecting the Boston park system with the Stony Brook Reservation, and eventually the Blue Hills, of the Metropolitan park system, and published a map showing alternative routes from the Arnold Arboretum and Franklin Park. The first or most westerly of the routes indicated on the plan was finally chosen, and the land taken in conjunction with the Metropolitan Park Commission, which took the southerly part, extending from Weld street to and including the top of Mt. Bellevue, this Board taking, in behalf of the city, the other portion, extending from the Arnold Arboretum, through the valley of Bussey brook, to Weld street. Subsequently, as a part of the arrangement, the Metropolitan Park Commission transferred the control and custody of the

part taken by it to this Board by an indenture which was assented to by the City Council, and appears in full in the Appendix to this report.

By this arrangement the land damages on the part taken by the Metropolitan Park Commission will be settled by the Commonwealth, the city by the acceptance of the gift will build the necessary roads and care for the property as a part of its park system. By the surrender of this land the boundary between the State reservation and the city parks is at Washington street.

A map is herewith published showing the parks and parkways from Boston Common to the Stony Brook Reservation.

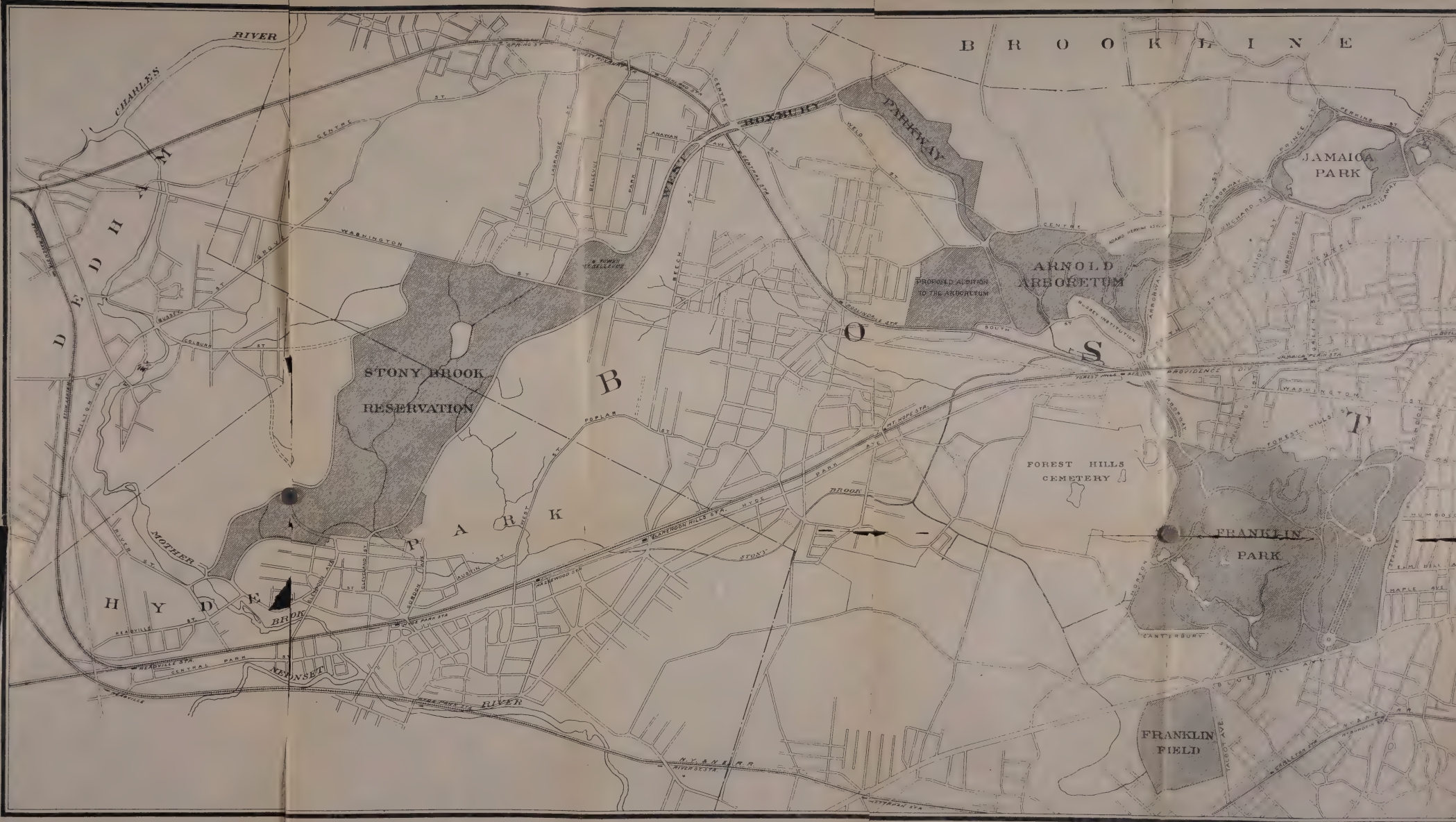
#### PROPOSED STONY BROOK PARKWAY.

The selection and acquisition of the route from the Arnold Arboretum to the Stony Brook Reservation should not deter the city from eventually securing a connection between Franklin Park and this reservation along the line of Stony brook, provided the town of Hyde Park will join by laying out the part within its limits.

This route will follow the course of Stony brook and an affluent coming from Franklin Park, thus providing in the cheapest and best way for the surface drainage of a considerable territory, much of which is swampy or low, by preserving the natural water course as in the Muddy-river improvement.

Its construction would render a large area of vacant lands more valuable for suburban residences, and greatly benefit the whole valley of Stony brook by preserving the purity of the streams composing its head waters.

A considerable part of the route within the city limits would pass through land already belonging to the city and partly occupied by buildings connected with its public institutions, which, however, would not be closely approached by the proposed parkway. This route has the advantage of continuing the ample pleasure-drives and bridle-paths of Franklin Park through what would be a pleasant meadow-like parkway, entering Hyde Park and passing through the picturesque high-rock region and through pleasant fields and wild woods to the southerly end of the Stony Brook Reservation, whence it would before long probably be extended to Mother brook, near Paul's bridge, and through the charming valley of the Neponset river to the main entrance of the Blue Hill Reservation.





## CHARLES RIVER EMBANKMENT.

In its last Annual Report the Board submitted a plan for an embankment on Charles river from the present Charlesbank to the Fens within the lines authorized by existing law. This plan provides for an embankment outside the present harbor lines one hundred and twenty feet wide from West Boston bridge to the angle near Beacon street, connecting with Arlington street through the block of houses between Beaver and Otter streets, and seventy feet wide from said angle to Charlesgate west.

Subsequently the report of the Joint Board consisting of the Metropolitan Park Commissioners and the State Board of Health, to which the Legislature had referred the whole question of the improvement of Charles river, was submitted to the Legislature, recommending the erection of a dam near Craigie's bridge high enough to keep even extreme tides out of the basin, and the maintenance of the water at a permanent level, also the acquisition of considerable bodies of land along the shores of the river between the Cottage Farm bridge and the Waltham line.

With reference to the embankment in the rear of Beacon street the Commission says :

By chapter 435 of the Acts of 1893 permission has already been given to the city of Boston to construct on her side of the Charles river, beginning at West Boston Bridge and ending at the Back Bay Fens, an embankment of a width not to exceed, in the rear of Beacon street, one hundred feet, but subject to the condition that the filling thus made shall not be used for building purposes, or for any other purpose than for ornamental grounds and a parkway.

The description in this act of the line to be followed in making the filling of the first section of the proposed embankment, that from West Boston bridge to the rear of Beacon street, provides a broader margin than seems to us necessary on this side of the basin. We propose that so much of the act as relates to the filling on the easterly side of the basin and in continuation of the Charlesbank be so amended that the filling authorized shall not exceed one hundred and fifty feet until the intersection with a line perpendicular to the harbor line at the southerly line of Mt. Vernon street; thence continuing southerly and westerly on a curved line to the embankment in the rear of Beacon street, to be hereafter described.

It may fairly be inferred . . . that the owners of estates on the north side of Beacon street west of Otter street have no very great interest in the appearance of their houses and outbuildings as seen from the basin or the bridges crossing it. Whether this new basin will be attractive enough to induce the owners of these properties to so far change the external appearances of their houses as to make them worthy adjuncts to the superb location offered to them is a question which we find it difficult to answer. And yet upon the answer to this question really depends the solution of one of the most serious problems in connection with the improvement of the basin. We believe that this water park, if formed in accordance with the plans submitted, deserves surroundings of a character equally dignified and attractive with itself.

Two views of the problem present themselves to us :

*First.* To advise the filling, to the north of the passageway in the rear of Beacon street, of a wider strip than that of one hundred feet now authorized by chapter 435 of the Acts of 1893, but not to exceed one hundred and fifty feet, in the expectation that gradually the hoped-for improvements in the abutting estates will be effected.

*Second.* To recommend the construction of a wider embankment than that provided for by existing legislation, in order that a portion of the land so filled may be prepared for building sites.

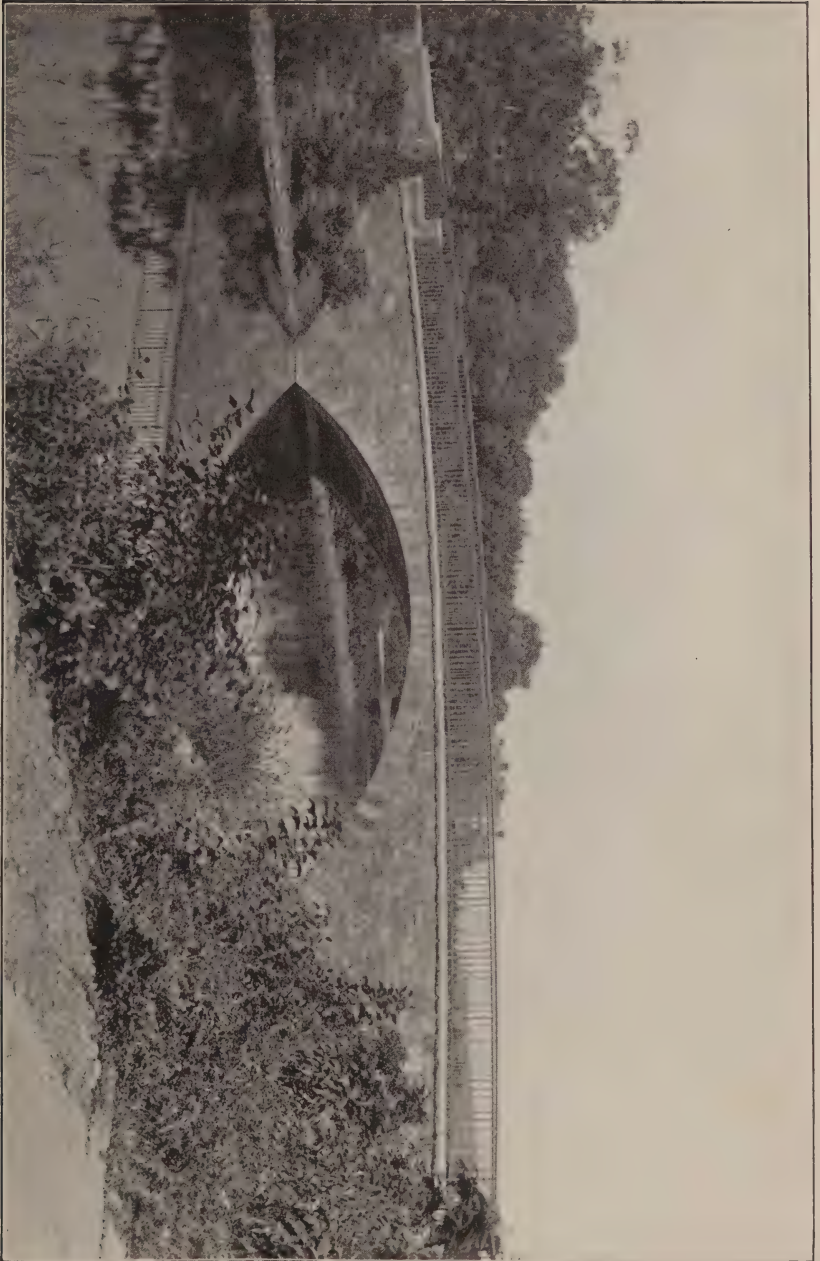
After due deliberation we have concluded to present a plan for your consideration in accordance with the second view above stated.

It does not seem probable to us that the houses now standing on Beacon street, below Otter street, are likely to be adapted to the surroundings of the new basin; the large sums of money already spent upon their Beacon-street fronts would seem to preclude the change; moreover, these fronts to the south have always commanded higher prices than similar lots on the opposite side of the street, and the preference will undoubtedly be maintained. But it does seem to us essential that the houses situated on the borders of the basin should also front upon it, not only for the adornment of the basin, but also for the benefit that would accrue to it from the better policing and care which all public grounds receive when the neighboring householders walk through them habitually, or constantly have them under view. The back alley which now runs along the border of Charles river in the rear of Beacon street would undoubtedly be well kept and inviting where it is now neglected and repulsive, if the owners of the adjacent properties ever themselves made use of it.

The sale of the land prepared for building sites, if carried on as successfully as such transactions have hitherto been by the Commonwealth, would yield a large sum of money to be devoted to the repayment of the expenses of improvements herein recommended.

We, therefore, propose that, instead of a strip of ornamental ground in the rear of Beacon street of a width not to exceed one hundred feet, provision be made by which the Board of Harbor and Land Commissioners may be authorized to cause to be filled a space to the north of the present wall in the rear of Beacon street not to exceed three hundred feet in distance therefrom and extending in a line parallel therewith to the westerly line of the Back Bay Fens. One hundred and twenty feet in width of this, immediately to the north of the existing alleyway, to be filled to a grade proper for house lots, so much thereof as may be needed for streets and public open spaces to be reserved and the remainder to be sold. The money received therefor to constitute a fund, from which shall be defrayed the cost of building the dam, making the necessary fillings, and of such other expenses as may result from carrying out the plan of improvements herewith submitted. The remaining strip of one hundred and eighty feet in breadth to be prepared in accordance with designs to be furnished by the Board of Park Commissioners, and to be used only for parkways and ornamental grounds.

It will be noticed that we recommend a somewhat wider strip in the rear of Beacon street between the building line and the water than is designated on the plan of the landscape architects. We do so for the purpose of having a wider belt of trees and shrubs than has been thought by them to be necessary. Though the rapidly approaching use of the opposite Cambridge shore for building purposes will have a tendency to break the force of strong wind from the north-west, it is desirable to have a plantation, if only of shrubs and small trees, to still further diminish their force. The shore line of the basin above the Back Bay Fens and up to the Cottage Farm bridge on the Boston side of the river should also, in our opinion, be moved to the north. Whether the additional territory so gained should be used partly for new building sites, or



RIVERWAY — FOOTBRIDGE NEAR LONGWOOD STATION.





for purely ornamental grounds, has been a subject for some difference of opinion between your commission and the landscape architects. The latter advise the creation of new building lots in addition to the ornamental grounds. We think that it is not advisable to narrow the stream at this point further than may be necessary for procuring the ornamental grounds alone. Our recommendation is that the harbor line be removed to the north a distance of one hundred and fifty feet from the Back Bay Fens to the new bridge drawn upon the plan, and above this bridge gradually narrowing till it reaches a width of fifty feet at the Cottage Farm bridge; that this new territory be connected with the filling in the rear of Beacon street by appropriate curves, and be prepared for park uses by the Land and Harbor Commissioners in accordance with plans prepared by the Park Commissioners.

Subsequently a committee of the residents of the water side of Beacon street submitted plans to the Board for a treatment of the shore of the river from the Union Boat Club house to Harvard bridge by an esplanade to be built by the city with the coöperation of the riparian owners, under section 2 of chapter 435 of the Acts of 1893. The plans provide a walk, with some provision whereby the alleyway may be hidden while retaining the river view. One plan by Little, Brown, & Moore secures this object by a brick and stone architectural wall eight feet high on the inner side of an embankment twenty-five feet wide, while the other plan by Longfellow, Alden, & Harlow proposes to hide the alleyway by trees and shrubbery planted on a sloping terrace supported by a wall on the inner side of an embankment fifty-five to seventy feet wide as may be desired. Both plans provide an esplanade with a balustrade or parapet wall on the river front and occasional landings at the water's edge.

In submitting the plans the committee stated that the abutters desired the basin beautified under the terms of the statute of 1893, without filling any more of the river than is necessary for ornamental purposes. They objected to a driveway as an unnecessary filling in of the river, and as not being readily accessible from the narrow streets leading out of Beacon street. They desired to keep the basin as broad as possible as a unique feature of the city. To secure the coöperation of the abutters in the construction of the embankment they proposed that application be made to the Legislature for authority to assess fifty per cent. of the cost on the abutting estates, and submitted a bill to provide for the immediate construction of an embankment containing provisions for such an assessment.

The Board submitted the question of the proposed improvement of the Charles-river basin to the landscape architects for their views as to the desirability of such action, and received the following reply :

BROOKLINE, MASS., 28th January, 1895.

The HON. JOHN F. ANDREW, *Chairman of the Boston Park Commission* :

SIR: We beg leave to respond as follows to your request for a fresh expression of our views with respect to the Boston shore of the Charles-river basin.

At different times within the past twenty years various plans for adapting this important river bank to public uses have been proposed. The first Boston Park Commission (that of 1876), composed of Messrs. T. J. Coolidge, William Gray, Jr., and Charles H. Dalton, recommended the eventual construction in the rear of the Brimmer street and Beacon street houses of a riverside parkway, comprising planting strips, a driveway, a bridle-path, and a promenade, with a total breadth of two hundred feet.

In response to special requests we have ourselves proposed four solutions of the problem. Three alternative plans, with a comprehensive report, were laid by us before your Board in 1893, in response to the question: What ought to be done, assuming, in accordance with the existing law, that the necessary new filling shall not extend into the river more than one hundred feet from the present sea-wall? Another, and naturally, a very different plan, was made and reported upon by us for the Joint Charles River Commission of 1894 in response to the question: What ought to be done, assuming that the limitations of the law can be removed?

The commission will, however, remember that Mr. F. L. Olmsted, Messrs. F. L. Olmsted & Co., and Messrs. Olmsted, Olmsted, & Eliot, as Landscape Architects to your Board, have always taken the ground that the city of Boston would make a grave mistake if, while sufficient interior parks, parkways, and playgrounds were still lacking or incomplete, any money at all should be devoted to the Charles-river basin. Such is still our opinion. The reasons thereof may be briefly recapitulated as follows:

*First.* The present population of the Back Bay has no need of any additional recreation grounds. It already possesses the Public Garden, Commonwealth avenue, and the Fens. Moreover, the present residents of the Back Bay are generally away from town during the only part of the year when the adjacent shore of the basin might be a pleasant place of resort.

*Second.* While convenient interior squares and playgrounds are not yet sufficiently numerous, the necessarily costly development of the shores of the basin may better be put off. The Fens, the Muddy-river valley, Jamaica Park, and Franklin Park were lately tracts which lay in imminent danger of being built upon in ways which would forever have precluded their conversion into parks. Much of the Charles river above Cottage Farm lies to-day in the same dangerous predicament; but not so the basin now in question. Here is an open space which can safely be held in reserve until other necessary spaces are acquired. The million or half million dollars which it is proposed should be invested in constructing what to-day is an unnecessary promenade on the borders of a great, natural, open space ought rather to be spent in acquiring open spaces in those parts of the town where they are, and will be, most needed.

Similarly, it seems to us that the city, as a whole, would receive a greater benefit from the completion of the construction of the parks and parkways already acquired than would accrue from the construction of a river embankment. Also, that while money for the proper maintenance of the acquired parks is obtained with difficulty, the addition of a public promenade, which, like Commonwealth avenue, would cost much for maintenance, ought to be avoided, if possible.



THE FENS — COVE ON EASTERLY SIDE.



For these reasons we question whether any mandatory legislation which would commit the city to the immediate expenditure of large sums for the construction and maintenance of any sort of a public promenade on the bank of the basin adjacent to Beacon street ought at this time to be favored by your Board.

Respectfully,

(Signed)

OLMSTED, OLMSTED & ELIOT,

*Landscape Architects.*

Subsequently the Board notified the committee that the settled policy of the Board has been to consider the proper treatment of the Charles-river basin as a subject which should be taken up in the future rather than as a work of present necessity, and that in the general view of the Board it would be better to appropriate money at this time to complete the park system already laid out than to construct the proposed embankment. But if the Legislature should take a stronger view of the importance of an early settlement of the question of a proper treatment of the Charles-river basin, and that the immediate construction of the proposed embankment would be for the best interest of the city, the Board believes the plan would be feasible and would constitute an important addition to the system of open-air resorts now being established; and while it would be glad to carry out any scheme for the improvement and adornment of the city which would be wise, it may be better, when the work is undertaken, to extend it over a greater length of the shore than the partial plan submitted by the committee.

#### COMMONWEALTH AVENUE.

On March 5, 1894, the Board received notice of the action of the Board of Aldermen consenting to the transfer of Commonwealth avenue to this department, as follows:

*Ordered,* That the Board of Aldermen, with the approval of His Honor the Mayor, hereby consents to the selection and taking by the Board of Park Commissioners, under chapter 300 of the Acts of the year 1893, for the purposes of that Act, of that part of Commonwealth avenue lying between Arlington street and its intersection with Beacon street; the same being a public street leading to that part of the park system known as the Back Bay Fens, and the consent in writing of the owners of more than a majority of the frontage of the lots and lands abutting on that part of said avenue having been obtained therefor, as appears by their petitions for such taking now before the Board.

On March 12 the Board gave a hearing to the owners of estates on the avenue, at which a number of representative men appeared and favored the proposition that the Board assume the control of the avenue and reconstruct the road-

ways in a substantial manner under the provisions of the Act authorizing the assessment of one-half the cost of improvement on the abutting estates.

The reasons given among others were that it is the decorative avenue of the city, is restricted to residences only, is the chief approach to the park system, and the connecting link between the old and the new parks, and that through the regulation of traffic by excluding heavy teams the roadways could be kept in a condition similar to those in the parkways.

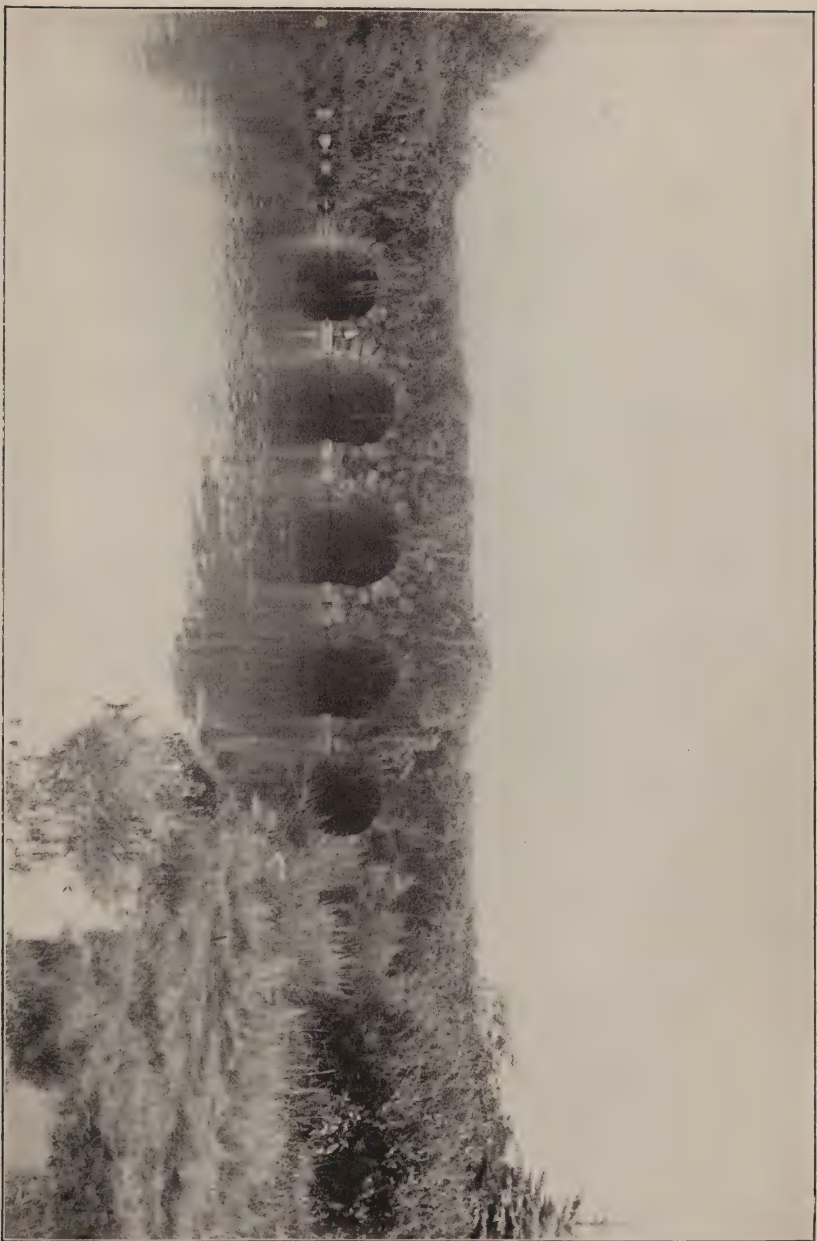
In accordance with these recommendations the Board on June 29 passed a vote selecting and taking so much of the avenue as is referred to in the order of the Aldermen, and on July 9 voted to resurface the roadways with an asphalt pavement and make sundry other improvements under the direction of the Superintendent of Streets, at an estimated cost of one hundred and fifty-six thousand dollars.

Subsequently on petitions from property owners remonstrating against the proposed asphaltting of the avenue, the Board held two hearings at which it appeared that a majority of the residents strongly objected to the proposed asphalt pavement. A proposition that the residents raise a fund of \$40,000 to be held by trustees, \$5,000 to be paid to the city annually for eight years for repairs and maintenance on condition that the Board rescind its vote to asphalt the avenue and lay a Macadam or Telford pavement instead, was accepted by the Board. The work of macadamizing the avenue from Arlington street to Massachusetts avenue was immediately begun by the Street Department, and finished in November at a cost of \$79,253.55.

The Board then assumed control by policing the avenue and posting ordinances. All vehicles for conveying merchandise except those engaged in supplying residences on the avenue have been excluded, with the result that the experiment thus far has been highly satisfactory, but sufficient time has not elapsed to demonstrate whether the roadways can be maintained in good condition with reasonable care.

#### BRIGHTON PLAYGROUND.

In accordance with an order of the City Council, approved by the Mayor November 22, 1893, authorizing the Board to select and purchase a site for a playstead in North Brighton, under the special appropriation of \$25,000 for that purpose, the Board invited tenders of land in the desired locality, and accepted offers for the sale of about fourteen acres of



THE FENS — AGASSIZ BRIDGE.





land fronting on Western avenue near Barry's Corner, the cost of land and surveys being \$21,114.83.

This location will adjoin the reservation which is to be laid out by the Metropolitan Park Commission on the borders of Charles river under chapter 509, Acts of 1894, and can be readily converted into a playground in connection with the improvement of the Charles-river banks by said Commission.

#### TABLES ANNEXED.

In the Appendix will be found tables showing cost to date of the public parks, and other details; also reports of the Landscape Architects and City Engineer, and special laws relating to the park system.

Respectfully submitted,

JOHN F. ANDREW,  
FRANCIS A. WALKER,  
EDWARD C. HODGES,  
*Commissioners.*

BOSTON, January 31, 1895.





IN WEST ROXBURY PARKWAY.



## APPENDIX.

## LANDSCAPE ARCHITECTS' REPORT.

The HON. JOHN F. ANDREW, *Chairman of the Boston Park Commission, Boston, Mass. :*

SIR: We respectfully submit the following notes of our doings in connection with the work of the Boston Park Commission during the year 1894.

*Commonwealth avenue*, between Arlington street and Beacon street, having come under the control of the commission, it became our duty to examine and report upon its design and condition. After investigation we recommended the macadamizing of the two roadways, the resetting of the curbs, a uniform sidewalk pavement of brick, the regrading of those parts of the grass strips which are not flush with the curbs, the rectification of the lines of trees where they have become irregular, the addition in conformity to the original design of a new row of trees at the edge of each sidewalk, the addition of new architectural curbing and masts for lights or flags at the ends of the central grass plots, the ultimate removal from the central promenade of the existing statues, and the placing thereof in symmetrical relations adjacent to the sidewalks at the ends of the grass plots, — the last two suggestions being directed to the ultimate development of an architectural or formal plaza at the crossing of each street. *Commonwealth avenue* undoubtedly offers a rare opportunity for the making of a really fine formal promenade to be gradually adorned with architectural monuments and sculpture. On the other hand the fitting maintenance of fine work of the formal type is very costly. It will be remembered that we advised the commission to be cautious about assuming charge of the avenue.

The long and tedious work of constructing the boundary roads of *The Fens* having been completed, the only questions of design referred to us for report during the year were related to the plans for the Tremont and Westland entrances, and to the problem of how best to carry the Boylston street electric railway across the parkway and the stream. With regard to the latter it was finally decided that the tracks of this line ought to pass over the water and under the parkway by a route lying immediately adjacent to the location of the Boston & Albany Railroad.

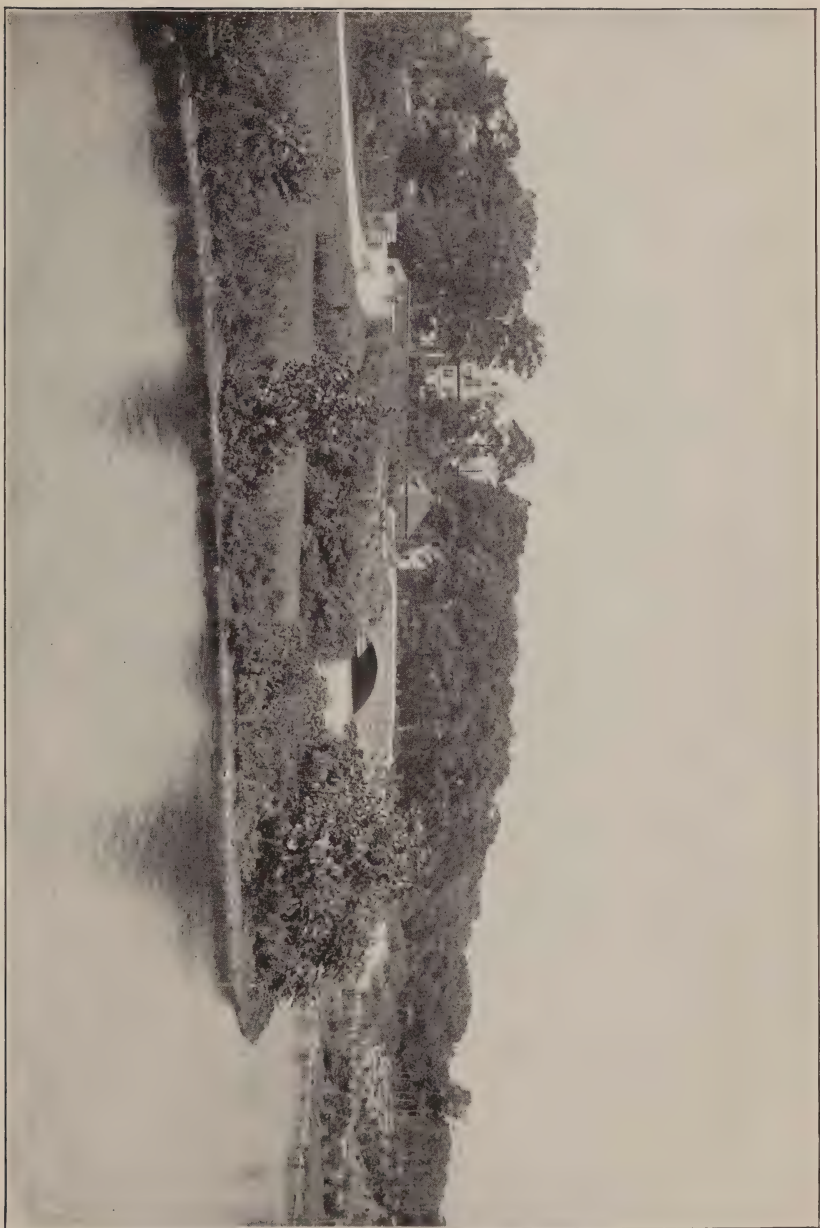
Along the *Riverway* from Brookline avenue to Tremont street little but planting remains to be done, and questions of detail only have called for our attention.

In *Leverett Park* between Tremont and Perkins streets the roadways have been made usable, but most of the ground is still in the rough. This unfinished condition, together with the by-no-means self-explanatory arrangements of certain pools and paths designed especially for the use of the Natural History Society, has unavoidably induced some misapprehension of the general plan.

In *Jamaica Park* the state of things is much the same. The hurried opening of the parkway has brought the public into these parks before the raw stage of preparation for the coming of the public has been passed. In order to permit people to follow the water's edge (as people are always eager to do) and at the same time to avoid destructive path-making among the trees which adorn the banks and frame the pond, a beach which will serve as a path is in process of formation along much of the shore of Jamaica Pond. Near Pond street, where a beach was found impracticable owing to the great depth of the water, a wall designed to rise only a foot and a half out of water and to be half concealed by shrubbery was substituted as an engineering necessity. Both wall and beach have been unduly conspicuous during most of the year, because of a necessary drawing off of the water down to a level some six or eight feet below the standard elevation.

Revised plans for paths in the neighborhood of Pine Bank House have been prepared, and a simple method of adapting the house to public use has been studied in conjunction with the City Architect. A suggestion from us that the bronze fountain designed by Miss Whitney and recently presented to the Park Department should find place upon the terrace of Pine Bank House met with the approval of the Art Commission.

Several alternative plans for the distinctively pleasure drive proposed by the original plan for the west shore of the pond have been prepared and laid before the commission. It is to be remembered that this proposed piece of road is but a link in a chain which was originally designed to begin at Tremont street on the boundary of Brookline and Boston and extend thence through Leverett and Jamaica Parks to the Arboretum and Franklin Park. From the Public Garden to Tremont street the commission controls a so-called parkway, upon which pleasure travel must necessarily mix with ordinary traffic, because the roads are only boundary roads and the adjacent private building lands must be supplied first with building materials and afterwards with coal, ice, and provisions. Not until Tremont street was reached was it possible to find room between the boundary roads for an interior, separate, or exclusively pleasure driveway. From Tremont street to Chestnut street, on the west or Brookline side of Leverett Park, the Brookline Park Commission has opened the first stretch of separate pleasure driveway, and already it is the pleasantest part of the parkway. It is regrettable that the Boston Park Commission of a few years ago decided not to continue this separate pleasure road along the north-west shore of Jamaica Pond beyond Chestnut street. On this side of the pond the boundary road, which will soon have houses beside it, will, by orders of the com-



RIVERWAY -- BELLEVUE STREET BRIDGE AND FOOTBRIDGE.





mission. be the only road. The impression of remoteness and of semi-seclusion which is gained in Leverett Park will thus be shattered when what ought to be the freer and purer scenery of Jamaica Park is reached.

With the exception of a few studies of details for entrances and foot-paths, the present *Arboretum* has called for no new designing. A preliminary plan has, however, been prepared to show how Peter's Hill might be advantageously annexed to the Arboretum by means of a circuit road which would pass over Bussey street by bridges, it being deemed advisable to preserve this street in a new location as a transverse road leading to the Bussey archway under the Dedham Branch railroad.

The Metropolitan Park Commission having acquired a large reservation in West Roxbury and Hyde Park embracing Bellevue Hill, the highest land in Boston, plans have been studied and completed for connecting the Arboretum with this new public domain. The new parkway will follow and include the course of the Arboretum brook as far as the height of land at Weld street, where connection is made with lands acquired by the Metropolitan Commission. From motives of expediency, the northern boundary of the new parkway is an arbitrary line falling high up among the forest-clad rocks which form this side of the valley of the brook. The southern boundary follows a line upon which a boundary road can be laid, from which road a good view will be had of the course of the brook and the wooded bank beyond.

For *Franklin Park* details too numerous to mention have been considered; including plans for roads and grading in the neighborhood of the refectory and at Forest Hills entrance. The great cemetery which lies just beyond the park is the goal of many funerals which come out from Boston by way either of Washington street or Forest Hills street. It is obviously important that processions of funeral carriages should not block or mingle with the stream of pleasure carriages which will pour in and out of Franklin Park by the parkway. Accordingly a sunken roadway has been arranged by which vehicles of all kinds, including electric cars, if need be, may pass under the parkway just outside the boundary of the park. The gates of the park, marking the terminus of the parkway, are architecturally connected with this bridge, which is now building from designs by Messrs. Shepley, Rutan, & Coolidge.

The Strandway, Charlesbank, Wood Island, and Charlestown Heights have called for only a few modifications in the original plans.

For the small tract recently acquired by the commission at the North End, a complete plan has been prepared which may be described as follows:

The land to be devoted to purposes of recreation lies between the ancient Copp's Hill burying-ground and the sheet of water which is the confluence of the Charles and Mystic rivers. It is separated from the burying-ground by Charter street, and it is crossed by the busy waterside thoroughfare called Commercial street. Between the two streets the narrow public domain slopes

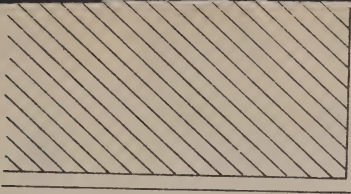
steeply down between two ranks of tenement-houses, thus opening a prospect from the already frequented Copp's Hill. Between Commercial street and the water the original shore-line has disappeared under a tangle of more or less ancient sea-walls, fillings, and pile structures.

The plan is designed to make this confined space afford opportunity for the greatest possible variety of modes of recreation. Thus a resting-place commanding a view of the water is provided upon a broad terrace on a level with the upper street; an ample promenade adjacent to the water is provided upon a pier, the upper deck of which will be reached from the terrace by a bridge, which will span Commercial street; a good place for children to play is provided on a beach which will form the shore of the small haven to be formed by the pier; dressing-rooms will be provided for the use of bathers, floats and other conveniences for boatmen. The stone terrace and its accompanying flights of steps will be plainly but substantially constructed, while the steep earth slopes at the ends and below the high wall will be planted with low shrubbery. The foot-bridge spanning Commercial street will be a light steel truss. The new or restored beach will terminate against sea-walled piers of solid filling, from the end of one of which the long and substantial pleasure pier will run out to and along the Harbor Commissioners' line. Between the beach and Commercial street there is room for a little greensward and a screening background of shrubbery. A drawing illustrating this compact design is submitted herewith.

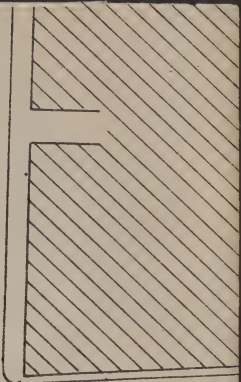
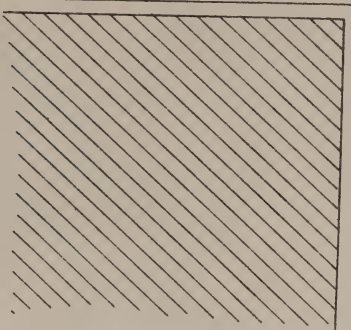
Respectfully,

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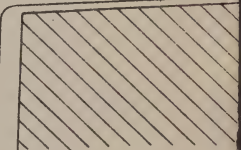
*Landscape Architects.*

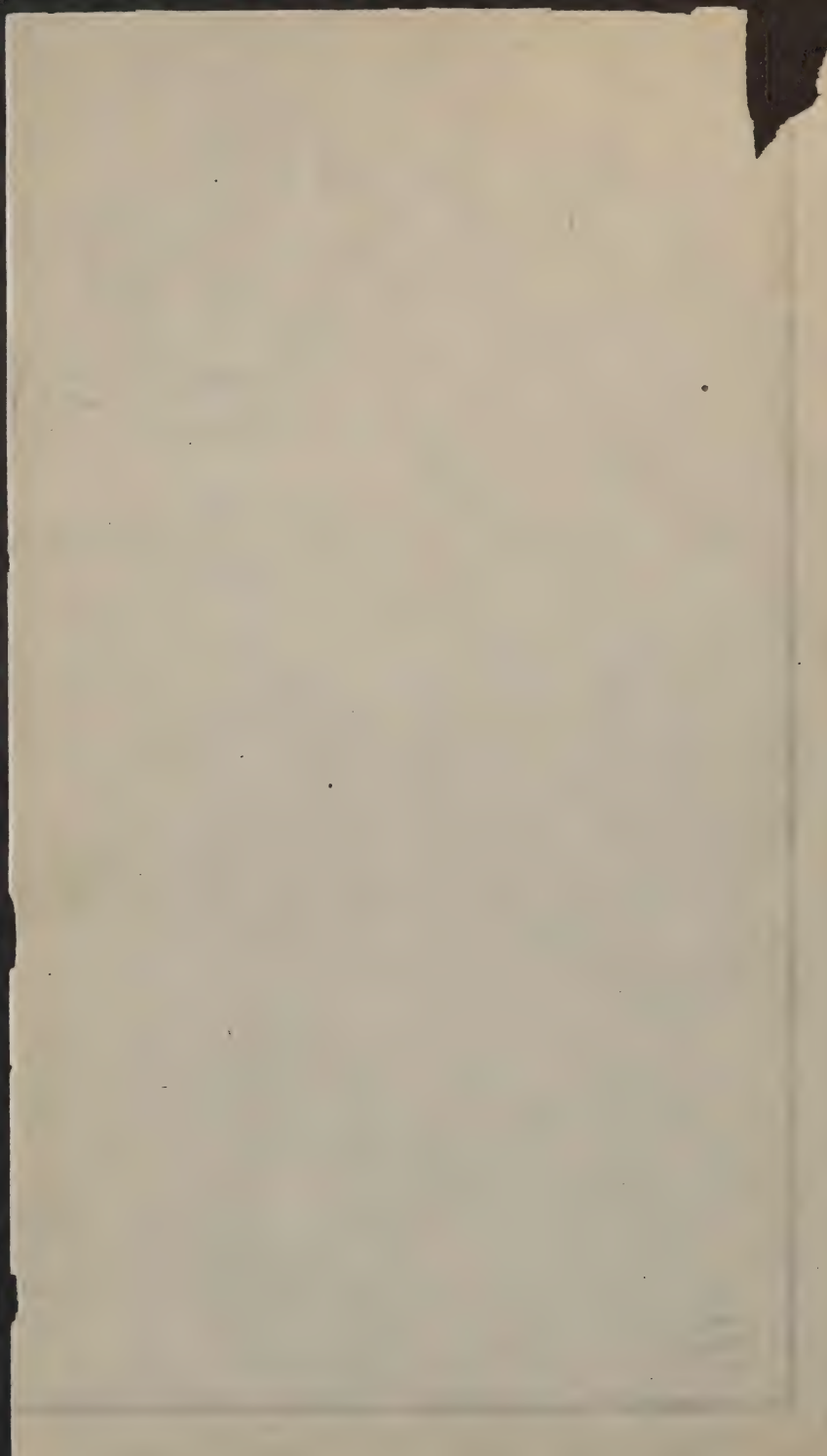


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FOST





## CITY ENGINEER'S REPORT.

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BOSTON, January 31, 1895.

HON. JOHN F. ANDREW, *Chairman Board of Park Commissioners:*

SIR: I herewith submit the following report of the work done and of matters of interest in connection with the work placed under my direction by your Board, the work being continued under the immediate charge of Assistant Engineer E. W. Howe.

## THE FENS.

*Drives and Walks.*—The drive on the easterly side of the Tremont entrance and the walk near the water between Tremont entrance and Fen bridge have been surfaced, and the stone-crushing plant, which for several years has been located at this entrance, was removed and the machinery sold early in the season; also the several small buildings which were located here have been removed, and the grounds graded, loamed, and seeded to grass.

*Electric Lighting.*—The work of laying underground wires and erecting lamps, begun in 1893, was finished and the Fens lighted for the first time on April 27. As this was the first instance in this city where underground wires were laid for street or park lighting, a brief description of the work may be of interest.

Tar-coated wrought-iron pipes  $1\frac{1}{4}$  inches in diameter were laid 18 inches below the surface. At points where there were abrupt changes of direction, and at the foot of each lamp-post, cast-iron boxes were placed so that the cable can be removed and replaced or connections made without its being necessary to dig up the ground. Wherever there are loops in the line of the cable 2-inch pipes were laid in order that two cables could be drawn through them. When the pipes were laid, a small wire was drawn through them, to be used for drawing through the larger cable.

The cable is  $\frac{3}{8}$  inch in diameter, and is composed of a No. 4 B. & S. gauge copper wire first covered with rubber and then with lead. This was drawn through the pipes and lamp-posts to the top of the lamp.

The lamp-posts are of the ordinary city pattern, and are set in Portland cement concrete. The supports for the hoods are of wrought-iron pipe branching from the cap of the posts in such a manner that the cable can be readily drawn up through them. The cable is not exposed at any point until the hanging board of the lamp is reached.

The lamps are 2,000-candle power arc lamps. The number on the Fens is 45, and the length of cable 18,893 feet. In addition to the arc lamps, 6 incandescent lamps of 32-candle power have been placed under the Stony-brook bridge for lighting the walks.

The grounds are well lighted, but probably some additional lights will be required when the trees are fully grown.

*John Boyle O'Reilly Statue.* — A foundation has been built for this statue on the triangle at the junction of Boylston road and the Fenway, and a curb set around the site.

#### COVERED CHANNELS OF STONY BROOK AND MUDDY RIVER.

These remain in the same condition they were a year ago. Some slight repairs have been made to the gates in the Muddy-river gate-chamber.

I wish to again call attention to the necessity of rebuilding the damaged portion of the Muddy-river conduit.

#### RIVERWAY.

*Grading.* — Considerable grading has been done during the year, chiefly on the left bank of the stream between it and the railroad and Audubon road, also around the Bridle-path bridge.

The work of filling Audubon road, under the contract with James Killian, dated December 5, 1893, has been finished, there having been deposited 36,844 cubic yards, at 49 cents per cubic yard.

*Drives, Ride, and Walks.* — The drive and ride were practically completed in 1893, with the exception of Audubon road, but owing to the lateness of the season some work remained to be done in the spring. Owing to the short time in which the filling was allowed to settle before the surfacing was done, the surface, in a few places, is now so much below grade that it will require reconstruction in the near future. The walks along the bank of the river have been surfaced.

*Plantations.* — All of these, except those near the Administration building, have been loamed, manured, and planted.

*Bridges.* — The sidewalk on Audubon bridge has been laid, the railing built, and the iron-work painted, thus completing this structure.

The Bridle-path bridge, built under a contract with Johnson Brothers, dated October 23, 1893, was finished on August 13, at a cost of \$32,300. The working plans for this bridge were made from designs furnished by Messrs. Olmsted, Olmsted, & Eliot and Shepley, Rutan, & Coolidge.

The bridge supports a bridle-path across the waterway and walks on either side of the latter. It is 28 feet wide to outside of parapets, with wing-walls at each corner flaring at angles of 66 degrees. The piers rest on a platform constructed of spruce piles capped with 10-inch  $\times$  10-inch spruce caps crosswise of the channel and covered with 4-inch spruce plank. The ends of the platform are protected by 4-inch sheet piling. The piers are 30 feet apart and extend along the channel sufficiently to support the banks and the walks; the total length of the piers with their wing-walls is 100 feet. The grade of the platform is 2.5 above city base, and the tops of the piers are at grade 15.5. The piers

are of granite laid in courses with a cut granite coping on top from which the arches spring.

The central arch is elliptical in form with a span of 30 feet and a rise of 9 feet 6 inches. The side arches which span the walks are semi-circles 15 feet in diameter. The width of the piers at the springing line is 4 feet 8 inches; the spandrels between the arches are pierced by semi-circular openings of a diameter of 15 feet and springing from the same grade as the other arches. This longitudinal arch is also carried back 2 feet into each abutment to form recesses for seats. The openings through the spandrels are to afford passages to connect with the foot-bridge to be built across the channel, to connect the walks on either side. The abutments at the end of the bridge have concrete and pile foundations, the piles being cut off at grade 8 and having their tops imbedded in the concrete to a depth of one foot.

The face-work of the bridge above grade 15.5 is of seam face granite, laid as three-headed work, with a belt course of red granite 8 inches thick, 2 feet 8 inches below the top of the parapet, and with red granite coping. The soffits of the arches, except the face voussoirs, are laid with 12-inch  $\times$  1½-inch speckled brick. All of the groins are laid with the same brick cut and ground to shapes. The remainder of the arch-work is of common brick, the thickness of the central arch being 24 inches, and of the side arches 20 inches. The spandrels are filled solid with concrete, so that the top of the bridge is drained to the abutments. The whole of the top of the bridge was covered with cement, then washed with cement-wash, and then covered with tarred roofing paper and tar.

*Buildings.* — A tool-house and shelter has been erected near Bernier street, under the direction of the architects, Messrs. Shepley, Rutan, & Coolidge. It is a circular building 24 feet in diameter; the basement and the piers supporting the roof are of seam face granite. The basement is to be used as a tool-room, and contains bins for the storage of material for the repair of walks, etc. The building stands on sloping ground so that the floor above the basement is on a level with the walk; this floor, which is intended for a shelter for visitors, is of asphalt, and is covered by a roof supported on stone piers; the roof is covered with tiles, and seats are provided.

*Electric Lighting.* — Under the contract with the Boston Electric Light Company for lighting the Fens, such further extensions of the lighting along the Parkway as the commissioners should require were to be provided upon the same terms.

On Riverway there have been 7,433 feet of cable laid and 19 lamps erected; and in addition 1 incandescent lamp has been placed under the Bridle-path bridge. These lamps were first lighted on June 16.

#### LEVERETT PARK.

*Grading.* — The work to be done under the contract with Moulton & O'Mahoney, dated November 28, 1891, was completed early in the year, and on April 27, 1894, a new contract

was made with the same firm for doing such additional grading as was required, and for building walls on Perkins and Chestnut streets. The grading has been completed.

The ledge on the line of the drive has been excavated and the stone from it used in surfacing roads and walks, and building walls and culverts. The stone-crusher which was set up for crushing stone from this ledge has been removed.

The slope above the wall on the line of the Nickerson estate has been graded and loamed, and a fence erected on the top of the bank.

Practically all of the grading on this park is completed.

*Bridges and Culverts.* — A bridge has been built on the line of a foot-path across the outlet of the cove on the easterly side of Leverett pond. The bridge is a segmental arch of 24 feet span and 5 feet 5 inches rise; the width to outside of parapets is 18 feet 4 inches. The abutments are of concrete, faced with granite; the exposed face work is of seam face granite; the arch is of brick and the coping of red granite; the arch is 2 feet thick, covered with cement and a waterproof covering of tar and paper. The bridge was built by J. D. Fallon & Company, at a cost of \$9,313.60.

The working plans were made from designs of the landscape architects, and Messrs. Shepley, Rutan, & Coolidge, architects.

Seven small culverts were built on the streams connecting the various ponds.

*Retaining-walls and Steps.* — Two walls of rustic masonry were built by the department force on the slope above the cove on the easterly side of Leverett pond. The upper wall supports the bridle-path, while the lower wall supports a walk along the base of the upper wall.

The walls built under the contract with Moulton & O'Mahoney have been finished, with the exception of the cement top and the pointing. These walls are of Roxbury stone, and vary in height from 4 feet to 14 feet, the total length of the several sections being 1,368 feet; they serve to support Perkins street on its lower side and the banks on the upper sides of Perkins and Chestnut streets.

On April 20, 1894, a contract was made with James Killian for the construction of a wall on the easterly line of Chestnut street 351 feet in length, and also for a wall on the line of the Parkway adjoining the Nickerson estate 523 feet in length. This work has been completed at a cost of \$9,327.06.

Mr. Killian has also built parapet walls and furnished and set coping on the walls built on the northerly side of Perkins street. This work is nearly finished.

Steps to the number of 300 were furnished by the Cape Ann Granite Company at a cost of \$3,576. These have been set by the department force in places on the walks where they were needed.

*Drainage and Water-pipes.* — All of the drains and catch-basins required for this park have been built.

The lowering of the grade of Perkins street necessitated the



lowering of the water mains in that street. This work was done by the Water Department at the expense of the Park Department. An 8-inch pipe was also laid from the pumping-station through Chestnut and Perkins streets to Jamaica way, it being a portion of the main for supplying water for the ponds in Franklin Park.

*Drives, Ride, and Walks.* — The drive from Pond avenue, near Willow pond, to Perkins street was surfaced early in the season, and opened to travel on June 1. On the same day Perkins street was closed for the purpose of lowering the grade of this street and also of Chestnut street. The change of grade of Perkins street involved cutting down the street at one point 13 feet. Both streets were widened at the same time to a minimum width of 45 feet. Chestnut street was closed on July 2, and was reopened on October 15. Perkins street was so far finished as to be opened to travel on December 20.

The drive from Tremont street to the entrance near Willow pond was not opened until November 18 on account of the delay caused by cutting through the ledge, which required the removal of 7,696 cubic yards of rock.

The Bridle-path and a large part of the walks have been finished.

An Aveling & Porter compound steam road roller was purchased in the spring for use on this park.

*Plantations.* — About 12 acres have been prepared for planting, of which about 3 acres have been planted.

*Electric Lighting.* — The electric lights were turned on for the first time June 29. There are 34 lamps and 14,500 feet of cable.

#### JAMAICA PARK.

*Grading and Walls.* — The work done by Saucier Bros., under their contract dated January 16, 1893, was completed on May 19, 1894, and there was paid them \$32,504.36. The work done under this contract was the grading of all that portion of the park on the easterly side of the pond, excepting Pine Bank, from Perkins street to Prince street, including the widening of Pond street and the excavation of a cove on the shore of the pond nearly opposite Eliot street; it also included the grading of the part of Arborway between Prince and Centre streets, so far as the excavated material on the work would allow, and the building of a slope wall 920 feet in length along the Pond-street shore.

The north-westerly shore of the pond has been graded, from a point opposite Chestnut street nearly to Prince street, with gravel excavated from Perkins street.

Retaining-walls of a total length of 960 feet have been built around the cove before mentioned.

A flight of steps has been built leading from Perkins street opposite Chestnut street to Pine Bank.

*Drainage and Water-pipe.* — The necessary catch-basins and drains for the easterly side of the park have been built.

The water-pipe leading to Franklin Park has been laid through the whole length of the parkway from Perkins street to Prince street.



*Drives, Ride, and Walks.* — The drive from Perkins street to Pond street was finished and opened to travel on June 1, and that along Pond street to Prince street was opened on June 16. The ride and the walks in this section of the park have all been surfaced, with the exception of the border walk between Perkins and Pond streets.

*Plantations.* — All of the areas to be planted have been graded and loamed in readiness for planting in the spring.

*Electric Lighting.* — Twelve lamps have been erected and 4,330 feet of cable laid. The lights were turned on on August 17.

*Miscellaneous.* — Work has been begun on the alteration of the dwelling-house at Pine Bank, under the direction of the City Architect, to adapt it for use as a refectory.

A new boat has been purchased for the use of the police.

The buildings on the Parkman estate have been removed, and the Ice Company buildings on Prince street are now being removed.

About 100 linear feet of seats for the use of skaters have been made. There has been skating on the pond 19 days during the year, and skating could have been enjoyed on many other days if funds had been available for caring for the ice. The police estimated the total attendance at 109,000.

#### ARBORWAY.

*Grading.* — The section between Prince and Centre streets was graded under the contract with Saucier Bros., already referred to. The section between Centre and South streets was partially graded under a contract with Andrew Carberry, dated November 1, 1893, at a cost of \$8,400.28. The balance of the grading was done by the department force, and by contractors for furnishing labor by the day.

*Drainage and Water-pipes.* — A culvert 6 feet  $\times$  6 feet in section and 163 feet in length was built across the Parkway on the line of the brook which drains the Arboretum meadow.

All of the catch-basins and drains required on the whole length of Arborway have been built, except those on the traffic road between Centre and South streets, and on the section between South and Washington streets.

The water-pipe for Franklin Park has been laid between Prince and Centre streets and between Washington and Forest Hills streets.

*Drives, Ride, and Walks.* — The main drive and the ride have been surfaced for the whole length, except between South and Washington streets, it being impracticable to do any work on this section until the work of raising the grade of the railroad has been completed.

The drive was opened to travel on October 7. But little work has been done on the surfacing of the walks. No surfacing has been done on the traffic roads.

*Electric Lighting.* — Twenty-two arc lamps have been placed on Arborway, and 8,152 feet of cable laid. These lamps were first lighted on August 17.

## ARBORETUM.

The land near the junction of Centre and Walter streets has been cleared and graded, and the boundary wall is now being extended around it.

Surveys have been made of the land belonging to Harvard College lying south of Bussey street, with reference to the contemplated addition of it to the Arboretum.

## WEST ROXBURY PARKWAY.

Preliminary surveys were made for three different lines of Parkway between the Main Park System and the Stony Brook Reservation. Accurate surveys for the laying out of the section from the Arboretum to Weld street were made, and also of that portion of the Parkway laid out by the Metropolitan Park Commission between Weld street and Anawan avenue. Topographical surveys are now being made of the whole length of this Parkway.

## FRANKLIN PARK.

*Forest Hills Entrance.* — On April 23 a contract was made with Charles H. Dodge for building the bridge which is to carry the Parkway over the traffic road leading from Forest Hills street to the Morton-street entrance to Forest Hills cemetery. This bridge has been completed with the exception of the cleaning and pointing of the masonry. The bridge is 126 feet in length, at a right angle with the Parkway, and is a segmental arch of 45 feet span and 6 feet rise, the springing line being 12 feet above the grade of the road beneath. All face work is of seam face granite, except the coping and cap-stones, which are of red granite, and the interior of the arch. The ashlar is laid as three-headed work. The foundation and backing are of cement concrete. The soffit of the interior of the arch is of light-colored brick, while the remainder of the arch is of common brick, the arch being 2 feet 8 inches thick. A staircase connects the walk over the bridge with the walk along the traffic road beneath. The slopes of the banks are supported by retaining walls on the lines of the traffic road. Across the Parkway over the bridge the masonry piers for a gateway have been built. This gateway is to have three openings — one each for the drive, the ride, and the walk. The piers at the sides of the gateway are connected with the parapets of the bridge, so that the whole forms one structure. At one side of the gateway there is a recess with a drinking-fountain and seats. The contract price for the bridge is \$50,920.

The traffic road and the Parkway over the bridge are now being graded. The ledge at the junction of the Parkway with the Circuit drive is being removed, and the stone will be used for surfacing the Parkway. The drains and catch-basins are also being built.

*Seaver Street.* — The work of grading under the contract with H. P. Nawn, dated September 1, 1893, was completed on January 22, at a cost of \$34,023.58. Another contract was made with

Mr. Nawn for the removal of a portion of the ledge near Blue Hill avenue, the stone to be carted to the stone-crusher on the park, and when crushed to be carted back to Seaver street. Under this contract there were removed 3,221 cubic yards of rock, at a cost of \$6,345.37.

The drive and walk within the lines of Seaver street, as laid out by the Street Commissioners, have all been surfaced, the surface drains and catch-basins built, and the water-pipe relaid. The street was opened to travel throughout its whole length on December 24.

The street has a width of 60 feet, divided into a driveway 40 feet wide, a tree space 10 feet wide, and a sidewalk 10 feet wide.

A portion of the walk on the park, parallel with Seaver street, remains to be surfaced; also the entrance road opposite Elm Hill avenue.

*Ellicott House.* — For the drainage of this building, it was necessary to build a sewer 2,260 feet in length, of 6-inch Akron pipe, through the park and Keyes street to Washington street. The grade being slight, a flush tank was built just outside the building, for flushing the sewer. The building is, as yet, provided with no method of lighting at night, and as no gas mains are near it will probably be necessary to use electricity.

*Refectory.* — This building is in process of erection under the direction of, and in accordance with, plans made by Messrs. Hartwell & Richardson, architects. The foundations are completed, and work is begun on the superstructure. The wall supporting the terrace in front of the building is being built of rustic masonry by the department force, and is nearly finished to the grade of the walk.

*Water-supply.* — It having been determined to obtain from Jamaica pond a supply of water for the ponds on Franklin Park, and for sprinkling the drives on the Parkway, pipes have been laid on a portion of the Parkway, as before described. Recently work has been begun on the construction of a reservoir on Hagborne hill, which will have a capacity of 883,000 gallons, with the surface of the water at grade 168 feet above city base. It is expected that this will furnish a week's supply in the driest weather. It is not intended to use the water for drinking.

*Pigeons.* — On April 21 a donation of 128 pigeons, including a great variety of the most popular kinds, was received from the estate of the late Edmund Quincy, through Dr. H. P. Quincy. They have been placed in a loft prepared for them in the upper part of the propagating house at the Nursery, where they have attracted a great deal of attention.

*Electric Lighting.* — Nineteen arc lamps have been placed in the Playstead district and 16 on Seaver street. The lights were first used on September 22.

*Miscellaneous.* — The sheep now number 188, 73 having been sold in the fall.

Two buildings containing water-closets have been erected near the Columbia-street entrance to the park.

Scarboro' pond has been drawn down to its winter level, and

the pond near Abbotswood has been filled, as heretofore, for skating; but owing to the proximity of the much larger and better place for skating at Franklin Field, these smaller areas have been but little resorted to this winter.

#### FRANKLIN FIELD.

The work of grading and seeding the meadow was finished in September. On November 26 the water from the brooks was turned on to the field, flooding it to a depth of about 18 inches in the lowest part. The first skating was on December 24, and since that date the field has been resorted to by great numbers of people whenever the ice was in good condition. There has been skating on 20 days, and the total number of visitors on those days, as estimated by the police, has been about 66,000.

#### DORCHESTER PARK.

A topographical survey of this park has been made. Two small buildings containing water-closets have been built.

#### DORCHESTERWAY.

The filling between Buttonwood street and the railroad being done under the contract with Collins & Ham, dated February 20, 1893, is still in progress.

The drive and walks south of the northerly line of Pond street, and those at the junction of the Parkway and Buttonwood street, have been finished.

#### STRANDWAY.

*Filling.* — A dump was opened in February for receiving material excavated from the land near the Institution for the Blind. During the year there have been delivered between I and N streets 67,118 cubic yards of filling, cart measurement, at 30 cents per cubic yard.

As the amount of dredging which should be done on the flats in front of the Strandway, between H and Q streets, is much larger than the space to be filled, it will not be economy to purchase filling, except such as can be used for forming the beach, or as a top-covering for mud filling after the latter is in place.

Plans are nearly completed for grading the section of the Strandway east of H street.

#### MARINE PARK.

*Pier.* — That portion of the wooden pier between the refectory and the site of the new head-house has been removed, and a plank walk laid in its place.

*Filling.* — On July 27 a contract was made with William L. Miller for filling that portion of the park between the shore and the iron pier. This work is now in progress.

*Drive and Walks.* — The drive along the shore from the foot of Sixth street to the Castle-island bridge, and the entrance from

Q street opposite Broadway, have been surfaced. The walk along the drive from Broadway to Sixth street has also been surfaced.

*Drainage and Water-pipe.* — Catch-basins and drains for draining the drive have been built. A water-pipe has been laid from Sixth street to the entrance to the pier and 2 hydrants set.

*Electric Lighting.* — Two thousand six hundred and eighty-three feet of underground cable have been laid, and 4 arc lamps erected on the portion of the park south of Broadway. The lamps were first lighted on September 5.

*Building.* — A building is being erected at the approach to the pier, under the direction of the City Architect. It is to contain a waiting room for the public, toilet rooms, a restaurant, and rooms for the police and workmen. In the rear of it there are to be 508 dressing rooms for bathers. It is expected that this building will be completed ready for use during the coming season.

*Miscellaneous.* — The old wharf, left by a former contractor, was repaired, and a shelter built on the outer end of it; this was intended for use in connection with the boating service.

A flagstaff was erected near the Farragut statue, and the flag was raised for the first time on Memorial day, with appropriate ceremonies by the Farragut Naval Veterans Association.

#### CASTLE ISLAND.

The only work done here during the year, beyond the care of the grounds and buildings, has been the placing of 15 electric arc lamps.

As the location of these could be but temporary, overhead wires were run to them. They were first lighted on July 3.

#### WOOD ISLAND PARK.

*Grading.* — The work under the contract with O'Connor & White, dated October 2, 1893, was completed on December 8, at a cost of \$33,706.84. This work included all of the loam stripping and excavation required; the material excavated, however, was not sufficient to do all the filling needed; therefore, before the drives and a portion of the walks can be surfaced and the grounds fully made use of, additional filling will have to be obtained; this can be advantageously done by dredging from the flats within the park property.

*Drainage and Water-pipes.* — The sewers for draining the two buildings were completed on March 26, at a cost of \$1,921.30.

A water-pipe has been laid from Neptune road to supply the Field House and men's gymnastic ground, and 6 hydrants have been set, 4 of them being within the gymnastic ground.

*Buildings.* — The section of the bath house which was being built a year ago has been completed. This building, so far as built, contains a waiting room, a locker room, and a toilet room. It has been connected with the sewer, but has not as yet been supplied with water, as the grounds near it have not been graded.

The Field House has been finished. This building is for the use of men and boys only, although during the present skating season women and girls have been allowed to use a portion of it; this can be readily done in winter, as the locker room and small toilet room adjoining it are not otherwise in use when the gymnasium is not in operation.

The building is of one story, 130 feet long by 26 feet wide; there is a waiting room and toilet room for men and boys, a room for the superintendent of the gymnasium, a large dressing room provided with 170 lockers for the convenience of those using the gymnasium, and a bath room, with shower and needle baths; there is also a boiler room, the building being warmed throughout by hot water.

The building is lighted by incandescent electric lights.

Both of these buildings were built under the direction of Messrs. Sturgis & Cabot, architects.

*Gymnastic Ground.* — On October 10 a contract was made with the Van Dorn Iron Company, of Cleveland, Ohio, for the erection of an iron fence around this ground, and for the frames for the gymnastic apparatus. The fence has been erected, and the frames are on the ground ready for erection as soon as the frost leaves the ground.

*Skating.* — The gymnasium and playgrounds have been flooded during the present winter and there has been skating on 25 days, the attendance, as estimated by the police, being about 88,000. The Field House has been opened on days when there was skating.

#### CHARLESTOWN HEIGHTS.

The building for the accommodation of the public has been finished and only needs lighting to be ready for use. This building is of two stories, with a cellar under a portion of it, which contains the heating apparatus. The first story contains toilet rooms for both sexes, a room for the person in charge, and rooms for the police and workmen. There is a tool-house adjoining the main building. The second story is an open shelter, a band stand being located on that portion towards Bunker Hill street.

The building was built under the direction of Messrs. Walker & Kimball, architects.

Four electric arc lights have been placed upon the grounds and 50 settees purchased.

#### CHARLESTOWN PLAYGROUND.

Nothing has been done at this ground during the year, except to supervise the dumping of ashes and earth.

A considerable area of the ground is now filled.

#### CHARLESBANK.

*Men's Gymnasium.* — During the winter months the grounds have been used for skating when the weather was favorable. The

number of days on which there was skating was 22, and the average attendance on those days was 2,911.

The gymnasium was closed on March 1, and the apparatus and grounds put in thorough repair. It was reopened on May 18, and closed November 30. During the season it was open for gymnastic and athletic exercises on 155 days, with a total attendance of 160,596, or a daily average of 1,036, an increase of 175 over the previous year.

On account of the removal of the old building preparatory to the erection of a new one, the gymnasium was not open in December.

A new building is now being erected under the direction of the City Architect, which will afford much larger accommodations and provide facilities for dressing, bathing, etc., which facilities are a necessity for the success of a gymnasium.

Only one accident occurred during the year: a boy was struck by the 16-pound shot, he having carelessly run across the ground reserved for shot-throwing; his ankle was broken. In the future it will be well to have the spaces, devoted to putting the shot, inclosed by fences.

*Women's Gymnasium and Girls' Playground.* — These were reopened on May 21, and closed on October 31. As in previous years, they were in charge of the Massachusetts Emergency and Hygiene Association, whose report to the Park Commissioners contains all matters of interest concerning the work.

The building at this ground having proved inadequate for the purpose for which it was designed, an addition is now being built which will double the accommodations and furnish facilities for bathing and dressing which have been wanting in the past. Walker & Kimball, architects, have charge of the work.

*Miscellaneous.* — The grounds other than the gymnasiums are in good condition, except that the promenade along the river has become worn and should be resurfaced.

#### PUBLIC PARK, NORTH END.

Early in the year the old buildings were removed, and on July 12 a contract was made with William L. Miller for the removal of the old wharves, etc. This work was finished on September 20, at a cost of \$3,400. Plans are now being prepared for the construction of that portion of the park between Charter and Commercial streets.

#### BRIGHTON PLAYGROUND.

A survey was made of this ground for the purpose of determining its area and boundaries.

The appended table shows the principal items of work completed to date on the several parks, so far as it is practicable to tabulate them.

A large amount of other work has been done, which it is impossible to classify.

Respectfully submitted,

WILLIAM JACKSON,  
*City Engineer.*



Principal items of work completed on the several Parks to January 31, 1895.

	MAIN PARK SYSTEM.							MARINE PARK SYSTEM.			Charlesbank.	Wood Island Park.	Charlestown Heights.	Franklin Field.	Totals.
	Fens.	Riverway.	Leverett Park.	Jamaica Park.	Arborway.	Arnold Arboretum.	Franklin Park.	Dorchester-way.	Marine Park.	Chate Island.					
Driveway completed . . . . .	87,600 sq. yds. 4 miles.	23,948 sq. yds. 1.3 miles.	23,760 sq. yds. 1.2 miles.	13,244 sq. yds. 0.7 mile.	29,070 sq. yds. 1.5 miles.	30,388 sq. yds. 2.1 miles.	113,572 sq. yds. 7.5 miles.	4,620 sq. yds. 0.2 mile.	17,088 sq. yds. 0.5 mile.					339,887 sq. yds. 18.7 miles.	
Walks completed . . . . .	30,800 sq. yds. 3.4 miles.	12,000 sq. yds. 1.6 miles.	10,307 sq. yds. 1.5 miles.	9,734 sq. yds. 1 mile.	1,166 sq. yds. 0.1 mile.	16,133 sq. yds. 4.2 miles.	60,076 sq. yds. 9.7 miles.	1,882 sq. yds. 0.3 mile.	5,984 sq. yds. 0.3 mile.					169,070 sq. yds. 23.9 miles.	
Ride completed . . . . .	14,000 sq. yds. 1.1 miles.	17,000 sq. yds. 1.2 miles.	12,000 sq. yds. 0.9 mile.	9,861 sq. yds. 0.7 mile.	17,720 sq. yds. 1.3 miles.		10,500 sq. yds. 0.7 mile.							81,791 sq. yds. 5.85 miles.	
Golfers paved . . . . .	19,000 sq. yds.	3,833 sq. yds.	5,335 sq. yds.	3,485 sq. yds.	7,194 sq. yds.	8,069 sq. yds.	22,938 sq. yds.	785 sq. yds.	5,221 sq. yds.					75,821 sq. yds. 50,851 sq. ft.	
Christians set . . . . .	33,946 lin. ft.	1,156 lin. ft.	2,028 lin. ft.	2,330 lin. ft.			9,630 lin. ft.	898 lin. ft.	1,207 lin. ft.			152 lin. ft.		49,141 lin. ft.	
Water-pipe, 12 in. . . . .	10,920 lin. ft.	812 lin. ft.		823 lin. ft.	1,400 lin. ft.			200 lin. ft.			1,832 lin. ft.			19,770 lin. ft.	
" 10 in. . . . .									844 lin. ft.					2,767 lin. ft.	
" 8 in. . . . .		252 lin. ft.		1,650 lin. ft.	3,197 lin. ft.	1,850 lin. ft.			37 lin. ft.			1,179 lin. ft.		7,215 lin. ft.	
" 6 in. . . . .		137 lin. ft.		1,000 lin. ft.			4,135 lin. ft.		27 lin. ft.			60 lin. ft.		5,467 lin. ft.	
" 4 in. . . . .							1,978 lin. ft.					373 lin. ft.		1,951 lin. ft.	
Hydrants . . . . .	44		2				13		2		1	7		68	
Breaking fountains . . . . .							9		1		2	5	1	19	
Watering trough for horses . . . . .							1							1	
Brick drains, 4 ft. 6 in. . . . .					1,218 lin. ft.									1,218 lin. ft.	
" " 3 ft. 9 in. . . . .								706 lin. ft.						706 lin. ft.	
" " 3 ft. X 3 ft. 8 in. . . . .								180 lin. ft.						180 lin. ft.	
" " 3 ft. 0 in. . . . .								859 lin. ft.						2,169 lin. ft.	
Pipe drains, 18 in. . . . .			312 lin. ft.			315 lin. ft.	3,640 lin. ft.					581 lin. ft.		4,728 lin. ft.	
" " 15 in. . . . .		778 lin. ft.		752 lin. ft.	243 lin. ft.	298 lin. ft.	2,865 lin. ft.					196 lin. ft.		977 lin. ft.	
" " 13 in. . . . .		462 lin. ft.		340 lin. ft.	603 lin. ft.	512 lin. ft.	2,023 lin. ft.					189 lin. ft.		976 lin. ft.	
" " 10 in. . . . .		839 lin. ft.		294 lin. ft.	674 lin. ft.	1,863 lin. ft.	367 lin. ft.		2,054 lin. ft.			466 lin. ft.	223 lin. ft.	1,661 lin. ft.	
" " 8 in. . . . .		6,832 lin. ft.	3,956 lin. ft.	4,162 lin. ft.	418 lin. ft.	1,388 lin. ft.	2,641 lin. ft.	9,748 lin. ft.	740 lin. ft.	1,373 lin. ft.	1,469 lin. ft.	2,481 lin. ft.	584 lin. ft.	245 lin. ft.	
" " 6 in. . . . .		293 lin. ft.	333 lin. ft.		1,520 lin. ft.		2,615 lin. ft.						182 lin. ft.	4,612 lin. ft.	
" " 4 in. . . . .							190 lin. ft.							190 lin. ft.	
Agricultural tile drains, 4 in. . . . .			240 lin. ft.				3,670 lin. ft.						185 lin. ft.	2,695 lin. ft.	
" " " 2 in. . . . .						3,095 lin. ft.	3,620 lin. ft.						828 lin. ft.	6,513 lin. ft.	
" " " 2 in. . . . .						2,833 lin. ft.	20,783 lin. ft.					3,109 lin. ft.		30,214 lin. ft.	
" " " 1 1/2 in. . . . .						3,426 lin. ft.	3,410 lin. ft.	27,170 lin. ft.				1,547 lin. ft.		44,028 lin. ft.	
Total drains . . . . .	9,164 lin. ft.	4,388 lin. ft.	4,068 lin. ft.	1,904 lin. ft.	16,008 lin. ft.	13,951 lin. ft.	84,763 lin. ft.	765 lin. ft.	1,373 lin. ft.		1,469 lin. ft.	8,639 lin. ft.	1,317 lin. ft.	69,711 lin. ft.	
Flash-tank . . . . .							1							1	
Manholes . . . . .	10	2	3	6	9	2	59	1				14	10	97	
Catch-basins and inlets . . . . .	107	59	41	18	96	63	186	6	11			19	13	575	
Open channel for brook . . . . .							2,860 lin. ft.							2,860 lin. ft.	
Electric-light cable . . . . .	18,493 lin. ft.	7,453 lin. ft.	14,500 lin. ft.	4,330 lin. ft.	6,152 lin. ft.	7,500 lin. ft.	13,895 lin. ft.		2,688 lin. ft.					69,865 lin. ft.	
Electric lights . . . . .	51	20	83	12			35		10	38		33		251	
Gateways . . . . .							4							4	
Bridges and overcuts * . . . . .	8	6	12		2	4	5		1 iron pier.				1	40	
Handrails wall . . . . .							860 lin. ft.	4,468 lin. ft.				2,228 lin. ft.		8,068 lin. ft.	
Stonewalls . . . . .	1	3	1						1				2	5	
Flag-staffs . . . . .							1							1	
Area of ground finished . . . . .	106 acres.	33 acres.	41 acres.	13.3 acres.	10.6 acres.	15.3 acres.	240 acres.	1.5 acres.	15.4 acres.			10 acres.	2.4 acres.	773.5 acres.	
Fences . . . . .							3,173 lin. ft.							3,173 lin. ft.	
Retaining-wall . . . . .	688 lin. ft.	640 lin. ft.	2,348 lin. ft.		1,525 lin. ft.									1,171 sq. yds.	
Steps wall . . . . .					1,171 sq. yds.									1,171 sq. yds.	
Gate-structures . . . . .	1	1		1									3	3	
Cinder track . . . . .											2,811 sq. yds.			2,811 sq. yds.	
Fences . . . . .	8,760 lin. ft.										0.2 mile.			0.2 mile.	
											3,412 lin. ft.	1,846 lin. ft.		13,607 lin. ft.	

\* Eight of these bridges are partly in Brookline.



REPORT OF THE COMMITTEE OF THE MASSACHUSETTS EMERGENCY AND HYGIENE ASSOCIATION IN CHARGE OF THE WOMEN'S AND CHILDREN'S DIVISION AT CHARLESBANK.

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BOSTON, November 18, 1894.

*To the Park Commissioners :*

GENTLEMEN: With increased pleasure do we again submit to you our report for the fourth year of our work at Charlesbank.

Never have the benefits of the Women's and Children's Division been so fully realized as this season, when the discipline of large numbers has been easy, because so many of the children, having acquired in previous summers the art of work and of obedience, this year became our self-constituted helpers.

Many of the older ones kept up at home during the winter some of the gymnastic movements, and returned to us in the spring for increased out-door practice. The affection of the children and girls for their instructors is so very evident that, if space allowed, a great deal could be said about the moral and refining influences of Charlesbank, where for nearly six months the same children are under the daily care of the same friendly teachers.

But it is in regard to health that we would this year place the emphasis in our report. Last summer occasionally a doctor would send to us a child needing special gymnastic treatment. This year we have had several such cases. Some girls came with a tendency to lateral curvature which was to be counteracted by certain gymnastics; others had weak lungs and required development of the chest; one or two were suffering from the effects of nervous prostration, which had induced paresis of the muscles of the right arm; two or three were troubled with stiffness in their joints and general ill-health; one had a slight displacement of the shoulder, and was unable to raise her arm to her head; two were losing the use of their arms in consequence of accidents which had happened to them.

Besides these special cases (all among persons who could not have afforded to go to a private gymnasium) we have had many girls and women who came to correct their general debility. In each case such marked improvement was soon perceptible that we attributed it not alone to the effect of gymnastics, but also to the fact that the exercises were practised out of doors. To many girls Miss McMartin gave exercises which were followed at home daily.

In addition to the classification of such cases, there was a still larger number of those who have been guided in exercise for three years at Charlesbank, whose growing vigor of frame and activity it is a pleasure to witness. We have now 300 girls who regularly wear gymnastic suits. As an indication of the greater frequency

also of the hand-bath which the girls take in the dressing booths at the end of the gymnasium, after exercising, is the number of towels which were used in three months, 2,859.

In order, however, that the best results may be obtained from gymnastic treatment we need some simple anthropometric apparatus to test the physical conditions of the girls.

From the gymnastic point of view it is better to have a smaller number of pupils who shall be led through graded exercises to full condition of health than to have larger numbers exercising irregularly, merely because they enjoy such sport. Others again who come for a day experience such soreness and discomfort that they seldom return. It is difficult to know just where to forbid exercise on simple apparatus in a free public gymnasium, yet each year is justifying the wisdom of forbidding the use of many appliances until a pupil is prepared for them by previous training.

The class work this season has been more extensive and thorough than before. We have had classes for beginners and for advanced pupils, also for working girls who could only come Saturday afternoons, and for special pupils in twos or threes, who require peculiar guidance.

Besides the gymnasium proper our charge has also extended to the sand pens for little children, and to the grassy playground, where foot-ball was practised to some extent, but always under direction, while games of hand-ball, jumping ropes, hoops, and team-races were constantly going on. Miss Doyle has had classes every pleasant afternoon, when the children sewed, pasted, or folded papers, followed by games. She distributed three times more sewing cards this year than last; each child as the card was given her told what it represented and the color in which it should be worked. The general utility of this playground for health, morals, and happiness is immense.

In October there was an exhibition of gymnastics and kindergarten work, which showed what fine results had been obtained by persistent effort, when regular attendance could not be enforced.

For whatever measure of success has been obtained in kindly discipline, increased bodily strength, good times, and good manners, gratitude is rendered to Miss McMartin, the superintendent, and her assistants, Miss Mahoney and Miss Doyle, who have evinced great skill as teachers and friends. Miss E. A. Phelps, the visiting superintendent here and at the playgrounds in the school yards, gave large and constant help in many ways.

The possibilities of Charlesbank are constantly widening. Visitors as experts in gymnastics, and as philanthropists and curious observers, come in numbers to study our methods.

The attendance from May 15 to November 1 has been 145,392, a daily average of 887. The average age of those using the gymnasium has been between 14 and 15 years.

In closing our report we tender our sincere thanks to Mr. E. W. Howe, who has always been ready to aid us; to Mr. Murphy, the foreman; to those of the police force who have assisted us; and to many friends for books, papers, flowers, and worsteds.

Two of the committee have taken turns throughout the season

in assuming the responsibilities of chairman, and have given freely of their time and thought to the various problems presented at Charlesbank.

Respectfully submitted,

KATE GANNETT WELLS,  
ELLEN M. TOWER,  
ANNA PHILLIPS WILLIAMS,  
MARGARET GIBBENS,  
D. A. SARGENT,  
CHARLES FRY,

*Committee.*

Public Parks. — Table of Appropriations.

NAME.	Date.	Special statutes.	Amount.	Object.	Amount expended.	Balance.
Park Department . . . . .	Oct. 5, 1875,	. . . . .	Appropriation, \$6,900 00	Dept. Expenses,	\$5,409 38	Merged, \$1,490 62
Public Park, Back Bay . . . . .	May 1, 1876,	. . . . .	" 5,000 00	" "	5,000 00	
Park Department . . . . .	July 23, 1877,	Chap. 185, Acts 1875 . . . . .	Loan, 450,000 00	Land . . . . .	450,000 00	
Public Park, Back Bay . . . . .	Dec. 24, 1877,	. . . . .	Appropriation, 3,000 00	Dept. Expenses,	2,992 63	Merged, 7 37
" " " " . . . . .	Feb. 12, 1878,	. . . . .	" 25,000 00	Construction . . .	25,000 00	
" " " " . . . . .	" 26, 1878,	. . . . .	" 16,000 00	Land . . . . .	16,000 00	
Park Department . . . . .	Apr. 16, 1878,	. . . . .	" 6,000 00	Dept. Expenses,	4,300 00	Transferred to Back Bay, 1,700 00
Public Park, Back Bay . . . . .	July 5, 1878,	. . . . .	" 25,000 00	Construction . . .	25,000 00	
Park Nursery . . . . .	" 31, 1878,	Transferred from Park Department . . . . .	" 2,000 00	" "	1,911 09	Merged, 88 91
Public Park, Back Bay . . . . .	Mar. 15, 1879,	. . . . .	" 1,700 00	" "	1,700 00	
Park Department . . . . .	Apr. 29, 1879,	. . . . .	" 5,000 00	Dept. Expenses,	5,000 00	
Public Park, Back Bay . . . . .	" 29, 1879,	. . . . .	" 120,000 00	Construction . . .	120,000 00	
" " " " . . . . .	" 10, 1880,	. . . . .	" 214,000 00	" "	214,000 00	
Park Department . . . . .	" 10, 1880,	. . . . .	" 5,000 00	Dept. Expenses,	4,767 97	Merged, 232 03
Park Nursery . . . . .	" 10, 1880,	. . . . .	" 1,000 00	Construction . . .	1,000 00	
Public Park, Back Bay . . . . .	" 6, 1881,	. . . . .	" 202,000 00	" "	202,000 00	
Park Department . . . . .	" 6, 1881,	. . . . .	" 5,000 00	Dept. Expenses,	4,950 53	Merged, 49 47
Muddy River Improvement . . . . .	" 6, 1881,	. . . . .	" 5,000 00	Construction . . .	4,000 00	Transferred to Arboretum, 1,000 00
West Roxbury Park (Franklin Park) . . . . .	" 6, 1881,	. . . . .	" 5,000 00	" "	5,000 00	
Charles River Embankment . . . . .	Dec. 16, 1881,	Chap. 185, Acts 1875 . . . . .	Loan, 600,000 00	Land . . . . .	600,000 00	
Muddy River Improvement . . . . .	" 24, 1881,	" " " " " " . . . . .	" 300,000 00	" "	300,000 00	
City Point Park (Marine Park), East Boston Park (Wood Island Park) . . . . .	" 24, 1881,	" " " " " " . . . . .	" 200,000 00	" "	200,000 00	
" " " " " " . . . . .	" 24, 1881,	" " " " " " . . . . .	" 100,000 00	" "	100,000 00	
Arnold Arboretum . . . . .	" 24, 1881,	" " " " " " . . . . .	" 50,000 00	" "	50,000 00	
Public Park, Back Bay . . . . .	" 28, 1881,	" " " " " " . . . . .	60,000 00	Construction . . .	60,000 00	
Park Department . . . . .	Apr. 20, 1882,	. . . . .	Appropriation, 200,000 00	" "	200,000 00	
" " " " . . . . .	" 20, 1882,	. . . . .	" 5,000 00	Dept. Expenses,	4,332 07	Merged, 607 93
" " " " . . . . .	" 6, 1883,	. . . . .	" 5,000 00	" "	5,000 00	
Park Nursery . . . . .	" 6, 1883,	. . . . .	" 1,000 00	Construction . . .	1,000 00	Transferred to Arboretum, 1,000 00
Public Park, Back Bay . . . . .	" 6, 1883,	. . . . .	" 100,000 00	" "	100,000 00	
Arnold Arboretum . . . . .	" 6, 1883,	. . . . .	" 15,000 00	" "	15,000 00	
West Roxbury Park (Franklin Park) . . . . .	" 6, 1883,	. . . . .	" 5,000 00	" "	5,000 00	
Wood Island Park . . . . .	" 6, 1883,	. . . . .	" 5,000 00	" "	1,000 00	Transferred to Arboretum, 4,000 00
City Point Park (Marine Park), . . . . .	" 17, 1883,	Chap. 185, Acts 1875 . . . . .	Loan, 120,000 00	Land . . . . .	120,000 00	

Marine Park . . . . .	June 21, 1883,	Appropriation,	3,000 00	Construction . . .	2,000 00
Charles River Embankment . . . . .	" 21, 1883,	"	1,000 00	"	1,000 00
Arnold Arboretum . . . . .	Jan. 1, 1884,	"	4,000 00	"	4,000 00
"	" 1, 1884,	"	1,000 00	"	1,000 00
"	" 1, 1884,	"	1,000 00	"	1,000 00
West Roxbury Park (Franklin Park) . . . . .	" 4, 1884, Chap. 185, Acts 1875 . . . . .	Loan,	500,000 00	Land . . . . .	500,000 00
Public Park, Back Bay . . . . .	Apr. 30, 1884,	Appropriation,	150,000 00	Construction . . .	150,000 00
Charles River Embankment . . . . .	" 30, 1884,	"	126,000 00	"	126,000 00
Wood Island Park . . . . .	" 30, 1884,	"	25,000 00	"	25,000 00
West Roxbury Park (Franklin Park) . . . . .	" 30, 1884,	"	24,000 00	"	16,000 00
Marine Park . . . . .	" 30, 1884,	"	24,000 00	"	24,000 00
Arnold Arboretum . . . . .	" 30, 1884,	"	20,000 00	"	20,000 00
Park Department . . . . .	" 30, 1884,	"	5,000 00	Dept. Expenses,	5,000 00
Arnold Arboretum . . . . .	Nov. 22, 1884,	"	8,000 00	Construction . . .	8,000 00
Public Park, Back Bay . . . . .	Apr. 30, 1885,	"	45,000 00	"	45,000 00
Marine Park . . . . .	" 30, 1885,	"	15,000 00	"	15,000 00
Arnold Arboretum . . . . .	" 30, 1885,	"	10,000 00	"	10,000 00
Franklin Park . . . . .	" 30, 1885,	"	5,000 00	"	5,000 00
Wood Island Park . . . . .	" 30, 1885,	"	5,000 00	"	5,000 00
Park Department . . . . .	" 30, 1885,	"	4,000 00	Dept. Expenses,	4,000 00
Franklin Park . . . . .	" 30, 1885,	"	3,000 00	Construction . . .	3,000 00
Wood Island Park . . . . .	June 25, 1885,	"	10,000 00	"	10,000 00
Park Nursery . . . . .	Sept. 26, 1885,	"	2,600 00	"	2,600 00
Charles River Embankment . . . . .	Nov. 14, 1885,	"	2,000 00	"	2,000 00
"	" 14, 1885,	Loan,	16,000 00	Land . . . . .	16,000 00
"	" 14, 1885,	"	50,000 00	Construction . . .	50,000 00
Marine Park . . . . .	" 14, 1885,	"	13,000 00	Land . . . . .	13,000 00
Public Park, Back Bay . . . . .	Dec. 28, 1885,	"	2,300 00	Construction . . .	2,300 00
Park Department . . . . .	May 6, 1886,	Appropriation,	6,500 00	Dept. Expenses, . .	6,500 00
Park Nursery . . . . .	" 6, 1886,	"	5,000 00	Construction . . .	5,000 00
Arnold Arboretum . . . . .	Apr. 24, 1886,	Loan,	4,000 00	Land . . . . .	4,000 00
"	June 12, 1886,	"	16,000 00	"	15,932 71
Charles River Embankment . . . . .	Oct. 22, 1886,	"	55,000 00	"	54,886 45
Public Park Construction . . . . .	Jan. 4, Feb. 10, Dec. 31, 1887 . . . . .	"	2,500,000 00	Construction . . .	2,500,000 00
Park Department . . . . .	Apr. 30, 1887,	Appropriation,	6,500 00	Dept. Expenses, . .	6,500 00
Park Nursery . . . . .	" 30, 1887,	"	5,000 00	Construction . . .	5,000 00

Transferred to Arboretum, 8,000 00

Transferred to City Account, 27 43

Transferred to Sinking-Fund, 67 29  
Transferred to Sinking-Fund, 113 53

Public Parks. — Table of Appropriations. — Concluded.

NAME.	Date.	Special statutes.	Amount.	Object.	Amount expended.	Balance.
Park Maintenance . . . . .	Apr. 30, 1887,	. . . . .	Appropriation, \$15,000 00	Maintenance . .	\$14,965 44	Merged, \$34 56
Public Park Lands . . . . .	June 4, 1887,	Chap. 312, Acts 1887 . . . . .	Loan, 400,000 00	Land . . . . .	400,000 00	
Park Department . . . . .	" 2, 1888,	" . . . . .	Appropriation, 6,500 00	Dept. Expenses, . . . . .	6,500 00	
Park Nursery . . . . .	" 2, 1888,	" . . . . .	" 5,000 00	Construction . . . . .	5,000 00	
Park Maintenance . . . . .	" 2, 1888,	" . . . . .	" 20,000 00	Maintenance . . . . .	20,000 00	
Park Department . . . . .	Apr. 26, 1889,	" . . . . .	" 7,500 00	Dept. Expenses, . . . . .	7,500 00	
Park Nursery . . . . .	" 28, 1889,	" . . . . .	" 6,000 00	Construction . . . . .	5,968 45	Merged, 30 55
Park Maintenance . . . . .	" 28, 1889,	" . . . . .	" 35,000 00	Maintenance . . . . .	35,000 00	
Public Park Lands . . . . .	Feb. 11, 1890,	Chap. 392, Acts 1888 . . . . .	Loan, 600,000 00	Land . . . . .	600,000 00	
" received from town of Brookline . . . . .	" 11, 1890,	" 339, " 1890 . . . . .	" 20,000 00	" . . . . .	20,000 00	
Park Maintenance . . . . .	Mar. 8, 1890,	Transferred by City Auditor . . . . .	" 2,856 52	Maintenance . . . . .	2,856 52	
" . . . . .	May 9, 1890,	" . . . . .	Appropriation, 56,500 00	" . . . . .	56,500 00	
Public Parks, Charlestown . . . . .	Oct. 13, 1890,	Chap. 271 and 444, Acts 1890 . . . . .	Loan, 200,000 00	Land and Cons., . . . . .	200,000 00	
Franklin Park . . . . .	" 17, 1890,	Chap. 185, Acts 1875 . . . . .	" 14,000 00	Land . . . . .	14,000 00	
Charlesbank . . . . .	Apr. 16, 1891,	Transferred from sale of city property . . . . .	" 2,869 02	" . . . . .	2,869 02	
Park Maintenance . . . . .	May 7, 1891,	Chap. 307, Acts 1891 . . . . .	Appropriation, 60,000 00	Maintenance . . . . .	60,000 00	
Public Parks . . . . .	" 20, 1891,	" . . . . .	Loan, 3,500,000 00	Land and Cons., . . . . .	3,500,000 00	
Park Department . . . . .	Jan. 30, 1892,	" . . . . .	Appropriation, 60,000 00	Maintenance . . . . .	60,000 00	
" . . . . .	May 18, 1892	Transferred from Re- served Fund by Mayor and Commit- tee on Finance . . . . .	" 5,000 00	" . . . . .	5,000 00	
" . . . . .	June 9, 1892,	" . . . . .	" 8,000 00	" . . . . .	8,000 00	
" . . . . .	Jan. 31, 1893,	Transferred by City Auditor . . . . .	" 3,625 07	" . . . . .	3,625 07	
" . . . . .	Feb. 10, 1893,	Transferred by City Auditor . . . . .	Appropriation, 80,000 00	" . . . . .	80,000 00	
" . . . . .	Dec. 6, 1893,	" . . . . .	" 20,000 00	" . . . . .	20,000 00	
" . . . . .	Jan. 31, 1894,	Transferred by City Auditor . . . . .	" 6,431 80	" . . . . .	6,431 80	
Public Parks, Wards 6 and 7 . . . . .	May 17, 1893,	Chap. 282, Acts 1893 . . . . .	Appropriation, 350,000 00	Land and Cons., . . . . .	199,563 44	Balance, 150,436 56
Playstead, No. Brighton . . . . .	July 10, 1893,	" . . . . .	" 25,000 00	Land . . . . .	21,114 83	Balance, 3,885 17
Public Parks . . . . .	Feb. 1, 1894,	" . . . . .	" 500,000 00	Construction . . . . .	500,000 00	



Public Parks	Feb. 1, 1894,	Transferred from Crushed Stone Ap- propriation for Street Improvements	Appropriation,	Street Improv'ts, Maintenance	50,000 00 100,000 00 7,000 00	768,576 33
Park Department	" 12, 1894,		50,000 00			
" "	May 10, 1894,		100,000 00			
Public Parks	June 8, 1894,	Chap. 396, Acts 1894, Not to be issued until after January 1, 1895	7,000 00			
Park Department	" 11, 1894,		1,000,000 00	Land and Cons., Maintenance	231,123 62	
" "	Dec. 31, 1894,	Transferred by City Auditor	5,000 00		5,000 00	
			3,898 61	"	3,898 61	
			\$13,711,662 02		\$12,770,014 20	\$941,647 82
Income appropriated to Maintenance by City Council order approved December 18, 1883			1,772 28			
Income appropriated to Maintenance by City Council order approved December 18, 1883			13,806 08			
Income appropriated to Maintenance by City Council order approved December 18, 1883			12,099 80			
Income appropriated to Maintenance by City Council orders approved December 18, 1883, June 15 and October 23, 1886			15,900 93			
Income appropriated to Maintenance by City Council orders approved December 18, 1883, June 15 and October 23, 1886			7,415 54			
Income appropriated to Maintenance by City Council orders approved December 18, 1883, June 15 and October 23, 1886			3,950 06			
Income appropriated to Maintenance by City Council orders approved December 18, 1883, June 15 and October 23, 1886			4,421 12			
Income appropriated to Maintenance by City Council orders approved December 18, 1883, June 15 and October 23, 1886			6,452 97		66,808 78	
			\$13,778,470 80		\$12,836,822 98	\$941,647 82

Expenditures, as above . . . . . \$12,836,822 98  
 Expenditures, as per City Auditor's Account . . . . . 12,829,590 85  
 Difference . . . . . \$7,232 13

**NOTE.**

The difference between the total cost of land, construction, and main-  
 tenance as given in the Auditor's table and that given above is due to special  
 drafts, amounting to \$7,232.13 drawn by this department but not yet paid.

**Summary.**

Appropriations for Construction	\$4,529,000 00
" Land and Construction	5,050,000 00
" Land	3,561,869 02
" Maintenance, including Income	555,101 78
" Department expenses	81,900 00
Less expenditures as above	\$13,778,470 80
	12,836,822 98
	\$941,647 82
Less transfers and merged balances	18,449 71
Balances on hand January 31, 1895	\$923,198 11

Park Statistics to January 31, 1895.

PARKS.	Year of Taking.	COST TO DATE.		Total.	Area.	Length of Driveways.	Length of Walks.	Length of Rides.	Area of Ponds and Rivers.
		Land.	Construction.						
<b>MAIN PARK SYSTEM:</b>									
Commonwealth Avenue.	1894	..	\$92,997 18	\$92,997 18	30 acres	2.8 miles.	4.13 miles	1.1 miles.	28 acres.
*Rens .....	1879	\$596,254 49	2,025,654 57	2,621,909 06	115 "	4 "	6.7 "	1.2 "	8 "
*+Riverway .....	1890	452,467 53	532,630 26	985,097 79	40 "	1.4 "	2.8 "	1.2 "	14 "
Leverett Park .....	1890 and 1892	259,016 17	316,508 75	575,524 92	60 "	1.2 "	3.4 "	0.9 mile	64.5 "
Jamaica Park .....	1892	645,862 69	117,466 66	763,329 35	120 "	1.5 "	5.6 "	0.7 "	"
*Arboretum .....	1892	131,607 08	173,761 75	305,368 83	36 "	3.4 "	1.25 "	1.4 miles.	"
*Arboretum .....	1892	74,043 38	227,564 01	301,607 39	155 "	2.1 "	4.2 "	"	0.6 acre.
*West Roxbury Parkway	1894	6,115 94	6,898 81	6,805 75	150 "	4.1 "	"	"	"
*Franklin Park .....	1883 and 1884	1,551,196 63	1,625,227 31	3,176,423 94	527 "	10.0 "	19.1 "	2.5 "	7.4 acres.
<b>MARINE PARK SYSTEM:</b>									
Dorchesterway .....	1892	59,887 89	45,165 14	105,053 03	6 "	0.75 mile	1.6 "	"	"
Strandway .....	1890 and 1892	356,830 97	22,135 00	378,965 97	174 "	1.7 miles.	3.1 "	"	"
*Marine Park .....	1883	232,872 57	871,935 92	1,104,908 49	32 "	0.9 mile	2.6 "	"	4.4 "
Castle Island .....	1890	..	31,960 83	31,960 83	21 "	0.4 "	1.6 "	"	"
*CHARLESBANK .....	1883	373,916 99	282,208 12	656,125 11	10 "	"	1.5 "	"	"
*WOOD ISLAND PARK .....	1882 and 1891	132,800 00	189,006 02	321,806 02	42 "	1.1 miles.	2.9 "	"	"
*CHARLESTOWN HEIGHTS	1891	50,538 02	88,107 35	138,645 37	4 "	"	0.4 mile	"	"
*CHARLESTOWN PLAY- GROUND .....	1891	172,923 31	5,720 48	178,643 79	14 "	"	0.9 "	"	"
PUBLIC PARK, NORTH END.	1893	194,407 64	5,155 80	199,563 44	4 "	"	0.43 "	"	"
DORCHESTER PARK .....	1891	31,401 13	2,789 37	34,190 50	26 "	"	"	"	"
FRANKLIN FIELD .....	1892	127,812 36	63,879 93	191,692 29	77 "	"	"	"	"
*PLAYSTEAD, No. BRIGHTON	1894	21,479 83	..	21,479 83	14 "	"	"	"	"
General account .....		\$5,471,424 62	\$6,720,564 26	\$12,191,988 88	2,094 acres.	35.35 miles.	62.21 miles.	7.8 miles.	126.9 acres.
Park Nursery .....		..	73,987 50	73,987 50					
Betterment expenses .....		..	29,947 07	29,947 07					
		..	13,356 10	13,356 10					

\* The land in these parks has been paid for in full.

† An additional area of 34 acres is within the limits of the town of Brookline.

Of the above total lengths of Driveways, Walks, and Rides, there have been completed to date, respectively, 20.4 miles, 27.8 miles, and 5.8 miles. The difference between the total cost of land and construction, as given in the Auditor's statement and that given above, or \$38,55, is accounted for by drafts drawn and not paid, amounting to \$7,232.13, and by the Auditor's maintenance account being \$7,193.58 less than the maintenance account of this department.

PUBLIC PARKS.—Table of Annual Expenditures under certain heads from 1875 to January 31, 1895, prepared by the City Auditor.

	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.	1887-88.	1888-89.	1889-90.	1900-91.	1901-92.	1902-93.	1903-94.	1904-95.	Totals.	
Payments for land . . . . .			\$295,445 40	\$134,946 80	\$9,288 79	\$4,383 89		\$478,105 61	\$468,488 47	\$276,837 97	\$488,103 27	\$147,046 43	\$471,458 18	\$55,694 82	\$1,029 48	\$307,073 70	\$304,742 73	\$402,210 45	\$591,401 37	\$1,081,370 00	\$5,471,248 17	
Payments for construction:																						
Excavating, filling, grading, sea- walls, etc., other than done by Department . . . . .				\$7,629 98	\$67,369 92	\$7,873 91	\$67,403 43	17,861 62	64,492 62	69,331 93	116,992 58	62,868 16	36,643 57	55,837 15	35,142 37	192,040 26	298,489 86	270,965 27	235,458 80	357,793 76	2,103,561 76	
Materials . . . . .				143 32	1,441 69		41,528 30	62,128 42	37,470 87	22,466 35	10,169 98	1,553 81	77,368 73	60,189 51	58,001 64	38,244 65	44,637 10	42,348 28	76,744 11	111,274 30	756,847 30	
Labor . . . . .			43 73	6,763 93	5,818 12	1,822 01	31,969 72	72,370 91	82,171 11	86,367 54	39,979 39	10,814 97	226,881 57	232,107 39	247,351 69	217,010 73	187,127 64	302,408 39	223,240 39	266,282 14	2,138,105 49	
Teaming and freights . . . . .			111 72		19 00		4,643 79	7,784 29	31,782 84	59,876 41	6,589 48	294 95	74,216 41	66,999 93	46,888 08	43,467 45	41,095 14	50,180 99	72,920 02	90,875 44	595,685 94	
Bridge constructions, other than done by Department . . . . .				592 80			9,119 41	72,992 38	11,826 91	547 16	828 03	11,833 44	765 04	99,398 62	102,756 67	73,400 67	22,026 44	72,171 53	11,948 49	82,534 07	80,846 46	683,000 70
Buildings, other than done by Department . . . . .												2,800 00	324 07	28,891 16	8,628 12	3,000 00	4,752 70	10,433 45	20,011 34	99,560 14	193,237 49	
Professional services, etc. . . . .	\$2,449 99		3,395 32	4,884 57	\$2,296 43	2,556 00	4,164 50	5,901 81	5,620 55	8,439 03	12,119 95	14,928 39	6,064 05	9,306 73	9,820 32	11,337 02	13,834 87	14,963 23	18,238 46	20,788 44	171,150 50	
Miscellaneous expenses . . . . .	\$2,630 99	\$2,840 08	2,155 66	2,916 44	5,003 44	5,915 99	6,294 63	5,769 66	6,669 31	11,365 02	13,907 30	11,222 61	14,907 19	14,905 30	13,153 33	13,424 33	12,843 76	18,489 23	18,393 78	13,385 18	198,323 65	
Total maintenance account . . . . .	\$4,080 98	\$2,840 08	\$3,816 45	\$31,029 62	\$122,977 60	\$108,186 32	\$229,322 74	\$183,483 32	\$278,734 46	\$259,110 05	\$229,492 22	\$104,337 03	\$325,899 21	\$571,074 74	\$493,897 22	\$430,746 88	\$574,052 69	\$499,670 37	\$755,930 01	\$1,064,545 05	\$6,831,992 83	
Interest . . . . .	\$5,469 38	\$2,840 08	\$301,291 55	\$187,876 32	\$112,176 33	\$110,570 21	\$229,322 74	\$661,588 83	\$697,222 93	\$333,948 92	\$117,367 40	\$261,394 36	\$997,157 39	\$626,769 56	\$407,036 70	\$838,420 58	\$979,695 38	\$1,092,895 82	\$1,347,331 43	\$2,125,915 95	\$12,309,241 00	
Maintenance account:									\$2,944 74	\$5,055 64	\$7,996 27	\$5,701 92	\$5,270 94	\$10,477 16	\$17,568 15	\$23,091 89	\$24,122 93	\$24,978 46	\$27,711 33	\$32,725 43	\$189,720 96	
Franklin Park . . . . .										205 60	2,306 45	3,701 66	937 38	7,198 91	11,983 71	13,430 94	14,238 29	17,255 21	28,702 00	35,243 81	136,242 79	
Parkway . . . . .								829 66		1,120 26	1,907 47	1,864 15	1,237 64	2,241 27	5,107 88	8,885 37	10,225 05	12,819 62	15,942 37	15,198 39	76,377 40	
Charlesbank . . . . .											1,385 88	2,608 42	2,787 75	3,726 43	4,000 98	4,848 84	4,821 74	5,895 77	12,519 33	11,879 12	55,312 61	
Marine Park . . . . .										86 95	1,199 37	2,027 98	1,800 46	3,859 38	3,414 30	8,806 64	3,745 76	5,178 83	5,191 46	7,689 83	40,544 93	
Arnold Arboretum . . . . .															192 50		49 00	3,310 36	1,341 68	5,398 44		
Charlestown . . . . .																1 30	6 73	3 30	1,107 00	1,348 12	2,331 75	
Wood Island . . . . .																				77 90	190 00	
Dorchester Park . . . . .																			81 28	300 25	784 46	
Franklin Field . . . . .																					1,255 99	
Commonwealth Avenue . . . . .																					1,945 02	
Office expenses . . . . .																					8,307 19	
Total . . . . .									83,714 40	\$6,468 55	\$14,868 44	\$15,370 13	\$14,784 05	\$27,303 15	\$43,096 24	\$52,569 43	\$56,740 77	\$70,997 32	\$98,500 76	\$115,808 61	\$529,540 85	
Total land, construction, and maintenance . . . . .	\$4,080 98	\$2,840 08	\$301,291 55	\$187,876 32	\$112,176 33	\$110,570 21	\$229,322 74	\$661,588 83	\$709,997 33	\$542,416 57	\$323,375 93	\$266,703 49	\$1,011,941 44	\$654,072 71	\$340,982 94	\$890,000 01	\$1,036,445 10	\$1,133,893 14	\$1,445,852 19	\$2,241,814 56	\$12,820,890 83	
Covered channel, Stony Brook . . . . .						\$46,731 55	\$92,036 10	\$13,539 55	\$2,014 66												\$124,822 16	
Covered channel, Muddy River . . . . .								55,712 12	47,213 05	\$97,000 25	\$17,509 12	\$1,021 04	928 00	\$7 99							148,479 57	
	\$5,469 38	\$2,840 08	\$301,291 55	\$187,876 32	\$132,176 33	\$167,302 06	\$291,358 84	\$730,840 50	\$760,225 04	\$360,416 82	\$249,876 05	\$267,734 53	\$1,011,966 44	\$654,080 70	\$340,992 94	\$890,000 01	\$1,036,445 10	\$1,133,893 14	\$1,445,852 19	\$2,241,814 56	\$13,102,392 58	



INDENTURE BETWEEN THE COMMONWEALTH AND THE CITY TRANSFERRING TO THE LATTER THE CARE, CONTROL, AND CUSTODY OF THAT PART OF THE WEST ROXBURY PARKWAY TAKEN BY THE METROPOLITAN PARK COMMISSION.

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Whereas the Commonwealth of Massachusetts, through its Board of Metropolitan Park Commissioners, created by act of the Legislature of said Commonwealth, Acts of 1893, Chapter 407, has taken land and rights in land, for the West Roxbury Parkway, so called (being a tract of land on Bellevue Hill, so called, bounded in part by Washington and LaGrange streets, with an approach or roadway leading southerly from Weld street), lying wholly in the City of Boston and County of Suffolk and said Commonwealth, said lands being particularly described in three takings made by said Metropolitan Park Commission, one dated April 30, 1894, and two dated November 30, 1894, accompanied by official plans of said commissioners, numbered respectively 12, 13, and 16, all duly recorded with Suffolk Deeds, reference to which or to the records thereof is hereby made for more particular description; and

*Whereas*, Said Metropolitan Park Commission deems it advisable and expedient to transfer the care and control of the open space constituting said parkway to the Board of Park Commissioners of the City of Boston aforesaid, at the request of said Boston Park Commissioners, with the consent and approval of said City of Boston, duly obtained and evidenced by instruments hereunto annexed, reference to which is hereby made:

Now, therefore, this indenture, made this twentieth day of December, A.D. 1894, between the Board of Metropolitan Park Commissioners above named, of the first part, and the Board of Park Commissioners of said City of Boston, of the second part.

*Witnesseth*, That in consideration of the premises, said party of the first part doth hereby, under and by virtue and in pursuance of the power and authority upon it conferred by said act of the Legislature, and of every other power and authority hereto enabling, and in further consideration of one cent to it paid by said Board of Park Commissioners of the City of Boston, transfer, assign, and set over unto the said Board of Park Commissioners of the City of Boston, and their successors for the time being, the care, control, and custody of all the lands and rights in land hereinbefore mentioned or referred to.

To have and to hold the same for the term of nine hundred and ninety-nine years from the first day of December, A.D. 1894, free of rent or compensation, but without expense of any kind to said party of the first part.

And the said Board of Park Commissioners of said City of Boston doth hereby, in consideration of all the above-made recitals and facts and the transfer herein made, accept the care, custody, and control of the lands and rights in land above described or referred to, upon the terms and for the uses and purposes above prescribed.

In witness whereof, we the undersigned Board of Metropolitan Park Commissioners, and we the undersigned Board of Park Commissioners of the City of Boston, all duly authorized as aforesaid, but in no event incurring any personal liability by reason of the execution of this indenture, have hereunto interchangeably set our hands and seals, this twentieth day of December, A.D. 1894.

METROPOLITAN PARK COMMISSION,

CHARLES FRANCIS ADAMS, <i>Chairman.</i>	(Seal.)
PHILIP A. CHASE.	(Seal.)
WILLIAM B. DE LAS CASAS.	(Seal.)
A. L. RICHARDS.	(Seal.)

BOARD OF PARK COMMISSIONERS OF THE CITY OF BOSTON,

CHARLES F. SPRAGUE, <i>Chairman.</i>	(Seal.)
FRANCIS A. WALKER.	(Seal.)
JOHN F. ANDREW.	(Seal.)

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COMMONWEALTH OF MASSACHUSETTS.

SUFFOLK, ss.

DECEMBER 20, 1894.

Then personally appeared the above-named Charles Francis Adams and acknowledged the foregoing instrument to be his free act and deed.

Before me,

HERBERT S. CARRUTH,  
*Justice of the Peace.*

STATUTES OF THE COMMONWEALTH RELATING  
TO PUBLIC PARKS IN THE CITY OF BOSTON.

[STAT. 1894. — CHAP. 288.]

## AN ACT TO AUTHORIZE THE METROPOLITAN PARK COMMISSION TO CONSTRUCT ROADWAYS AND BOULEVARDS.

SECTION 1. The board of metropolitan park commissioners constituted under the authority of chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, is hereby authorized to connect any road, park, way or other public open space with any part of the cities or towns of the metropolitan parks district under its jurisdiction, by a suitable roadway or boulevard, and for this purpose to exercise any of the rights and powers granted to said board by said act, in the manner prescribed by said act, and also to take or acquire in fee or otherwise, in the name and for the benefit of the Commonwealth, by purchase, gift, devise or eminent domain, any lands or rights or easements or interest in land within said district, although the land so taken or any part thereof be already a street or way, and to construct and maintain along, across, upon or over the same or any other land acquired by said board by said act, a suitable roadway or boulevard; *provided, however*, that the concurrence of the board of aldermen in the city of Boston for the county of Suffolk, or the concurrence of each other county or city or town outside of said county of Suffolk, wherein any portion of any street, way, land or rights in land is taken by right of eminent domain be obtained, to the taking of said portion by vote of its county commissioners, city government or board of selectmen respectively.

SECT. 2. Said board shall have the same authority to determine the value of, and assess upon real estate the amount of betterments accruing to, said real estate by the locating and laying out of any roadway or boulevard herein authorized, as is conferred by chapter fifty-one of the Public Statutes upon boards of city or town officers authorized to lay out streets or ways, and the provisions of the first eight sections of said chapter, relating to ways, shall apply to such assessments by said board; *provided, however*, that no assessment shall be made upon any real estate except such as abuts upon the street from the laying out of which the betterment accrues; and *provided, further*, that no betterment or damages shall be assessed upon or paid to any city or town under this act.

SECT. 3. In furtherance of the powers herein granted said board may appoint clerks, police and such other employees as it may from time to time find necessary for the purposes of this act, remove the same at pleasure, and make rules and regulations for

the government and use of the roadways or boulevards under its care, breaches whereof shall be breaches of the peace, punishable as such in any court having jurisdiction of the same; and in addition said board shall have the same rights and powers over and in regard to the roadways or boulevards taken and constructed hereunder as are or may be vested in them in regard to other open spaces by said chapter four hundred and seven and acts in amendment thereof and in addition thereto, and shall also have such rights and powers in regard to the same as, in general, counties, cities and towns have over public ways under their control; *provided, however*, that nothing in this act contained shall be taken or held to affect or abridge the right of any city or town lying within said district to pursue and apprehend, as it lawfully may from time to time, any person or persons who commit within the limit of said city or town any breach of any statute, ordinance or regulation. The liability arising out of any defect or want of repair in any roadway or boulevard maintained by said metropolitan park commission under this act, and the rights and remedies thereto appertaining, shall be in all respects the same as those provided by law in relation to the repairs of public ways and bridges, in chapter fifty-two of the Public Statutes and any acts passed from time to time in addition thereto or amendment thereof. Actions seeking to enforce such rights and remedies shall be brought against the commissioners as such, but there shall never be any personal liability on the part of them or any of them to any person injured as aforesaid by reason of such defect or want of repair. Notices required to be served upon the defendant in proceedings hereunder shall be served upon the chairman of the board or its secretary. All sums recovered against said commission under the foregoing provisions, together with any costs of suit and counsel fees, expenses and interest, shall be taken and held to be expenses of care and maintenance, within the intent and meaning of this act as hereinafter expressed and provided for. Said board may maintain in repair and lease buildings, together with land appurtenant thereto, upon any portion of the property at any time taken or acquired by it; and also may erect, maintain in repair and lease such buildings, with land appurtenant thereto, upon any property at any time under its control, as may fairly be necessary to serve the public uses for which such property is held. Said board shall have suitable office accommodations for its purposes, and shall keep the plans, documents, records and accounts of its doings at such office, and each year shall include a report of the same, with a full statement of receipts and disbursements hereunder in the report required by said chapter four hundred and seven.

SECT. 4. The board of aldermen of said city of Boston for the county of Suffolk, and all other counties lying partly within said district by vote of their county commissioners, the cities within said district by vote of their city governments, and the towns within said district by vote of their selectmen, are hereby respectively authorized and empowered to concur in any taking by



said board, and thereby to transfer their rights in any streets or lands taken thereunder.

SECT. 5. Said board shall estimate and determine as near as may be all damages sustained by any person or corporation by the taking of land, or any right therein under this act; but any one aggrieved by such determination of the board may have such damages assessed by a jury of the superior court in the same manner as is provided by law with respect to damages sustained by reason of the laying out of ways. If upon trial damages are increased beyond the award of the board the aggrieved party shall recover costs, otherwise such party shall pay costs; and costs shall be taxed as in civil cases; but no suit for such damages shall be brought after the expiration of two years from the date of the recording of the taking, as required by the following section.

SECT. 6. Within sixty days after any street, way, land or right therein is acquired or taken under this act, the board shall file and cause to be recorded in the proper registry of deeds, a description thereof sufficiently accurate for its identification, with a statement of the purpose for which the same is acquired or taken, which description shall be signed by a majority of said board.

SECT. 7. To meet the expenses of taking and constructing said roadways or boulevards herein provided for, the treasurer and receiver general shall, with the approval of the governor and council, issue scrip or certificates of debt in the name of the Commonwealth and under its seal, to an amount not exceeding five hundred thousand dollars, for a term not exceeding forty years. Such scrip or certificates of debt shall be registered as bonds or with interest coupons attached, and shall bear interest not exceeding four per cent. per annum, payable on the first days of January and July in each year. Such scrip or certificates of debt shall be designated on the face as Metropolitan Parks Loan, Series 2; shall be countersigned by the governor, and shall be deemed a pledge of the faith and credit of the Commonwealth, and the principal and interest shall be paid at the times specified therein, in gold coin of the United States; and said scrip or certificates of debt shall be sold and disposed of at public auction or in such other mode and at such times and prices, and in such amounts and at such rates of interest, not exceeding the rate above-specified, as the governor and council shall deem best. The treasurer and receiver general shall on issuing any of said scrip or certificates of debt establish a sinking fund and apportion an amount to be paid thereto each year sufficient with its accumulations to extinguish the debt at maturity. Any premium realized on the sale of said scrip or certificates of debt shall be applied to the payment of the interest on this loan as it accrues.

SECT. 8. The commissioners required to be appointed by section eight of said chapter four hundred and seven shall also, in the manner therein required, determine the proportion in which each of the cities and towns of the said district shall annually pay money into the treasury of the Commonwealth, during each of the five

years next following the first issue of said scrip or certificates of debt, to meet one half the interest and sinking fund requirements for each of said years, as estimated by the Treasurer of the Commonwealth, and one half the expense of care and maintenance, and one half of the office and running expenses of said board occasioned by this act, as estimated by said board and certified to said treasurer, and one half of any deficiency in the amount previously paid in, and shall then return their award into said court; and when said award shall have been accepted by said court the same shall be a final and conclusive adjudication of all matters herein referred to said commissioners and shall be binding on all parties. Before the expiration of said term of five years, and every five years thereafter, the commissioners then appointed under said section eight of said act shall, in the manner directed in said act, determine the proportion in which each of the cities and towns of said district shall annually pay money into the treasury of the Commonwealth as aforesaid, for the ensuing term of five years, and shall return their award into said court; and when said award shall have been accepted by said court the same shall be a final and conclusive adjudication of all matters herein referred to said commissioners and shall be binding on all parties. The remaining one half of all said annual expenses shall be paid by the Commonwealth.

SECT. 9. The metropolitan park commission shall annually estimate the expenses of preservation and necessary care of said public reservations for the ensuing year, and the proportion of office and running expenses occasioned by the passage of this act, and certify the same to the treasurer, who shall apportion said expenses in the manner provided in the following section.

SECT. 10. The amount of money required each year from each city and town of the metropolitan parks district, to meet the interest, sinking-fund requirement, and expenses aforesaid for each year, and deficiency, if any, shall be estimated by the treasurer of the Commonwealth in accordance with the proportion determined as aforesaid, and shall be included in and made a part of the sum charged to such city or town and be assessed upon it in the apportionment and assessment of its annual state tax; and said treasurer shall in each year notify each city and town of the amount of such assessment, and the same shall be paid by the city or town into the treasury of the Commonwealth at the time required for the payment and as a part of its state tax. The amount of money required each year to meet the remaining one half of the interest, sinking fund requirement and expenses aforesaid for each year, and deficiency, if any, shall be included in and made a part of the annual state tax levy.

SECT. 11. The supreme judicial court shall have jurisdiction in equity to enforce the provisions of this act, and shall fix and determine the compensation of all commissioners appointed by said court, whether under the provisions hereof or of said chapter four hundred and seven.

SECT. 12. This act shall take effect upon its passage.

[Approved April 21, 1894.]

[STAT. 1894 — CHAP. 396.]

AN ACT TO AUTHORIZE THE CITY OF BOSTON TO INCUR INDEBTEDNESS BEYOND THE LIMIT FIXED BY LAW, FOR PARK PURPOSES.

SECTION 1. The city treasurer of the city of Boston, to pay the expenses of construction of the public parks of said city, including the payments for land, shall from time to time, as specified in requests of the board of park commissioners of said city, approved by the mayor, issue notes, bonds or scrip of said city, but the total amount so issued shall not exceed one million dollars. Said notes, bonds or scrip shall be made payable in thirty years from their date, and bear interest payable semi-annually at a rate not exceeding four per cent. per annum, to be fixed by said treasurer with the approval of said mayor.

SECT. 2. Said treasurer shall sell said notes, bonds or scrip so issued and retain the proceeds thereof in the treasury of the city, and pay therefrom the expenses aforesaid, as they may hereafter be contracted by said board; *provided, however,* that he shall pay over to the board of commissioners of sinking funds of said city any premiums received in the sale of said notes, bonds or scrip; and said board of commissioners of sinking funds shall place all amounts so paid by said treasurer in the sinking fund for the payment of the loan hereby authorized.

SECT. 3. The debts and loans authorized by this act shall not be included in determining the limit of indebtedness fixed for said city, and the notes, bonds or scrip shall not be issued until after the first day of January in the year eighteen hundred and ninety-five.

SECT. 4. This act shall take effect upon its acceptance by the city of Boston.

[Approved May 17, 1894.]

[STAT. 1894 — CHAP. 483.]

AN ACT TO AUTHORIZE THE COMMONWEALTH TO ACQUIRE THE LOCATION IN PART OF THE BOSTON, REVERE BEACH & LYNN RAILROAD, AND TO AUTHORIZE A RELOCATION IN PART OF SAID RAILROAD.

SECTION 1. The metropolitan park commission created by chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three is hereby further authorized and empowered, to the full extent of the Commonwealth's power of eminent domain, to take and acquire in the name and for the benefit of the Commonwealth, by the exercise hereunder of any of the powers named in said act and in the manner therein prescribed, all the right, title and interest of the public or any corporation or individual in, to or concerning any of the land, flats, or beach in the town of Revere lying along, upon or near,

and including so much of, the present location and railroad of the Boston, Revere Beach & Lynn Railroad Company, as said board may deem best, and to hold, maintain, and care for the same as a park or public open space for exercise and recreation, in the manner prescribed in said act: *provided, however*, that said board shall not interfere with the operation of said railroad during a period of twelve months from the time of taking or acquiring any portion thereof.

SECT. 2. The damages sustained by said railroad company or by any other corporation or individual by reason of any taking or acquisition hereunder by said board, shall be estimated, determined, assessed and recovered in the manner provided in section seven of said chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three.

SECT. 3. Said board may erect, maintain in repair or lease such buildings, with land appurtenant thereto, as they may deem necessary, upon any property at any time lawfully held or controlled by them under the provisions of this act.

SECT. 4. Section nine of said chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three is hereby amended by inserting in the second line, after the word "act," the words:— and all other acts in amendment hereof and in addition hereto, — and by inserting in the sixth line, after the word "million," the words:— five hundred thousand, — so as to read as follows:— *Section 9.* To meet the expenses incurred under the provisions of this act and all other acts in amendment hereof and in addition hereto, the treasurer and receiver general shall, with the approval of the governor and council, issue scrip or certificates of debt in the name and behalf of the Commonwealth and under its seal, to an amount not exceeding one million five hundred thousand dollars, for a term not exceeding forty years. Said scrip or certificates of debt shall be issued as registered bonds or with interest coupons attached, and shall bear interest not exceeding four per cent. per annum, payable semi-annually on the first days of January and July in each year. Such scrip or certificates of debt shall be designated on the face as the Metropolitan Parks Loan; shall be countersigned by the governor, and shall be deemed a pledge of the faith and credit of the Commonwealth, and the principal and interest shall be paid at the times specified therein in gold coin of the United States; and said scrip or certificates of debt shall be sold and disposed of at public auction or in such other mode and at such times and prices, and in such amounts and at such rates of interest, not exceeding the rate above-specified, as the governor and council shall deem best. The treasurer and receiver general shall, on issuing any of said scrip or certificates of debt, establish a sinking fund, and apportion an amount to be paid thereto each year sufficient with its accumulations to extinguish the debt at maturity. Any premium realized on the sale of said scrip or certificates of debt shall be applied to the payment of the interest on said loan as it accrues.

SECT. 5. After such taking or acquisition of its lands, railroad or location hereunder, said railroad company may, in accordance

with the provisions of chapter one hundred and twelve of the Public Statutes and of all general laws then in force relating to the fixing of the route of railroads, the laying out of the same and the taking of lands and the payments of damages therefor, take a new location and necessary land and rights in land within the town of Revere, and construct, maintain and operate a new line of railroad outside of the lands taken or acquired by said board, in place of the portion of the location and railroad taken or acquired as aforesaid.

SECT. 6. This act shall take effect upon its passage.

[Approved June 16, 1894.]

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[STAT. 1894 — CHAP. 509.]

AN ACT TO AUTHORIZE THE METROPOLITAN PARK COMMISSION TO EXPEND A SUM OF MONEY IN ADDITION TO THE AMOUNTS HERETOFORE AUTHORIZED, FOR OPEN SPACES ALONG OR NEAR THE CHARLES RIVER.

SECTION 1. The metropolitan park commission, for the purpose of acquiring and making available, under chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, open spaces for exercise and recreation along or near the Charles river, from the Essex street bridge, so-called, at Cottage Farms, towards the source of the river, may expend the sum of three hundred thousand dollars in addition to any and all sums hitherto authorized to be expended by them by said act and by all acts in addition thereto or in amendment thereof; and to meet the expenses incurred hereunder, the treasurer and receiver general shall issue a corresponding amount of scrip or certificates of indebtedness as an addition to the Metropolitan Parks Loan, and establish a sinking fund to provide for the same; said scrip or certificates of indebtedness to be issued and said sinking fund to be established, assessed and collected in accordance with the provisions of sections nine, ten, eleven and twelve of chapter four hundred and seven of the acts of the year eighteen hundred and ninety-three, as far as applicable hereto.

SECT. 2. Said act is hereby amended by striking out section eleven and inserting in place thereof the following:—*Section 11.* The metropolitan park commission shall annually estimate and certify to the auditor the expenses of preservation and necessary care of said public open spaces for the ensuing year, which expenses shall be apportioned by the treasurer and receiver general in the manner provided in the following section.

[Approved June 22, 1894.]

STATUTES OF THE COMMONWEALTH RELATING TO  
PUBLIC PARKS IN THE CITY OF BOSTON.

YEAR.	Chapter.	
1866.	247.	— An Act to authorize the Erection of a Sea-wall, and the filling of certain flats in Charles river, to abate a nuisance.
*1870.	283.	— An Act for the Laying out of one or more Public Parks in or near the City of Boston.
†1875.	185.	— An Act for the Laying out of Public Parks in or near the City of Boston.
1880.	144.	— An Act to authorize the connection of the Arnold Arboretum with the System of Parks of the City of Boston.
1881.	92.	— An Act in addition to an Act for the Laying out of Public Parks in or near the City of Boston. [Charles-river Embankment.]
1881.	197.	— An Act to authorize the Construction of the Charles-river promenade.
1882.	168.	— An Act to authorize the City of Boston to Issue a Public Park Loan.
1884.	226.	— An Act in relation to betterments for Locating, Laying out, and Constructing Streets, Ways, and Public Parks.
1884.	237.	— An Act in relation to assessments for Public Improvements.
1885.	299.	— An Act requiring notice of assessments of betterments to be given to the party to be charged thereby.
1885.	360.	— An Act in further addition to an Act for the Laying out of Public Parks in or near the City of Boston. [Marine Park.]
1886.	65.	— An Act extending the time for the completion of the Public Park in the City of Boston known as the Charles-river Embankment.
1886.	134.	— An Act to change a portion of the line of the Sea-wall of the Public Park in the City of Boston, known as the Charles-river Embankment.
1886.	304.	— An Act to authorize a Loan for the construction of Public Parks in or near the City of Boston.
1887.	312.	— An Act to authorize a Loan for the payment for lands heretofore acquired for Public Parks in or near the City of Boston.
1887.	427.	— An Act to enlarge the area for the proposed Marine Park of the City of Boston between South Boston and Castle Island.

\* This Act was to take effect when accepted by two-thirds of the legal voters voting thereon at the State election. The vote in favor was 9,233; against, 5,916. The Act consequently was rejected.

† This Act was accepted by a majority of the legal voters voting thereon, June 9, 1875. Yeas, 3,706; Nays, 2,311.

- YEAR. Chapter.
1888. 376. — An Act to authorize the City of Boston to refund a portion of the money paid as betterments for the Marine Park in said City.
1888. 392. — An Act to enable the City of Boston, for the purpose of obtaining lands for its Public Parks, to incur indebtedness outside of the limit fixed by law.
1889. 129. — An Act relating to buildings in the Public Parks of the City of Boston.
1889. 438. — An Act to authorize the enlargement of the proposed Marine Park in the City of Boston.
1890. 271. — An Act to authorize the City of Boston to incur indebtedness outside of its debt limit, to procure and construct one or more Public Parks in the Charlestown District of the City of Boston.
1890. 339. — An Act changing the boundary between the City of Boston and the Town of Brookline.
1890. 444. — An Act to amend an Act authorizing the City of Boston to incur indebtedness outside of its debt limit to procure and construct one or more Public Parks in the Charlestown District of the City of Boston.
1891. 301. — An Act to authorize the City of Boston to incur a debt for Park purposes beyond the limit fixed by law.
1891. 344. — An Act to authorize the City of Boston to construct a Sea-wall and extend the Charles-river Embankment.
1891. 390. — An Act to provide for the appointment of the Charles-river Improvement Commission.
1892. 371. — An Act to authorize the City of Boston to take Jamaica Pond and Ward's Pond for a Public Park.
1893. 126. — An Act in relation to raising the grade and changing the location of the Providence Division of the Old Colony Railroad in the City of Boston.
1893. 211. — An Act in relation to the issue of bonds and certificates for Park purposes by the City of Boston.
1893. 225. — An Act to authorize cities and towns to establish and maintain Public Playgrounds.
1893. 258. — An Act to authorize the City of Boston to refund or abate a portion of its betterments assessed for the extension of the Marine Park.
1893. 282. — An Act to provide for a Public Park in Wards 6 and 7 of the City of Boston.
1893. 300. — An Act relative to the Laying out of Public Parks by towns and cities. [Boulevard Act.]
1893. 331. — An Act relative to leasing open spaces for Gardens and Playgrounds by cities and towns.

- | YEAR. | Chapter. |  |
|-------|----------|--|
| 1893. | 407.     | — An Act to establish a Metropolitan Park Commission.  |
| 1893. | 416.     | — An Act relating to an Act relative to the Laying out of Public Parks by towns and cities. [Amending Stat. 1893, Chap. 300.]  |
| 1893. | 435.     | — An Act in relation to the construction of a Seawall and the extension of the Charles-river Embankment by the City of Boston.   |
| 1893. | 475.     | — An Act to provide for the Improvement of Charles river.  |
| 1894. | 288.     | — An Act to authorize the Metropolitan Park Commission to construct Roadways and Boulevards.   |
| 1894. | 396.     | — An Act to authorize the City of Boston to incur indebtedness beyond the limit fixed by law, for Park purposes.   |
| 1894. | 483.     | — An Act to authorize the Commonwealth to acquire the location in part of the Boston, Revere Beach & Lynn Railroad, and to authorize a relocation in part of said railroad.        |
| 1894. | 509.     | — An Act to authorize the Metropolitan Park Commission to expend a sum of money in addition to the amounts heretofore authorized, for open spaces along or near the Charles river. |





ANNUAL REPORT

OF THE

PRINTING DEPARTMENT,

FOR THE YEAR 1894-1895.

Boston, February 23, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In compliance with the requirements of chapter 3, section 22, of the Revised Ordinances of 1892, and the order of the City Council of January 7, 1895, the following report of the acts and doings and receipts and expenditures of the Printing Department for the financial year commencing February 1, 1894, and ending January 31, 1895, is respectfully submitted:

STATEMENT OF THE PRINTING APPROPRIATION.

<i>Appropriation for 1894-95</i> . . . . .	\$45,000 00
Revenue from sale of stock and postals to other departments . . . . .	12,805 54
Transfer from surplus revenue . . . . .	1,888 49
Total . . . . .	<u>\$59,694 03</u>

## EXPENDITURES.

**Office Expenses.**

Salary of superintendent . . . . .	\$2,991 56	
“ “ clerk . . . . .	996 84	
Indexing City Council proceedings . . . . .	996 84	
Salary of messenger . . . . .	312 00	
Telephone service . . . . .	120 00	
Messenger service (district) . . . . .	16 10	
Advertising . . . . .	59 28	
Subscription to “Boston Daily Advertiser” and binding same . . . . .	13 00	
Printing — office blanks, account books, etc. . . . .	82 90	
Stationery . . . . .	44 25	
	<hr/>	\$5,632 77

**City Council Proceedings.**

Newspaper reports . . . . .	\$10,000 00	
Stenographic reports . . . . .	4,250 00	
Printing and binding index to proceedings . . . . .	1,728 69	
	<hr/>	15,978 69

**Record Commissioners' Item.**

600 copies mayors' inaugurals—		
Composition and presswork . . . . .	\$552 93	
Paper stock . . . . .	64 80	
Binding 600 in cloth . . . . .	123 25	
	<hr/>	740 98
1,700 copies 24th report —		
Part composition, presswork, and folding 200 copies for documents . . . . .	\$631 85	
Binding 1,500 in cloth . . . . .	242 75	
Paper stock . . . . .	133 95	
	<hr/>	1,008 55
654 copies Hale's Survey of Boston —		
Reproducing diagrams of streets . . . . .	\$631 40	
Paper stock . . . . .	617 08	
Bonner's map of Boston . . . . .	135 00	
Binding 631 copies in cloth . . . . .	484 75	
Composition, presswork, and elec- trotyping . . . . .	885 30	
	<hr/>	2,753 53
200 copies Hale's Map —		
Presswork and proving plates . . . . .	\$35 00	
Paper stock . . . . .	15 00	
Mounting 50 copies . . . . .	30 00	
	<hr/>	80 00
300 each, two lots of postal cards . . . . .		8 16
		<hr/>
		4,591 22

**City Documents.**

Printing 600 copies, each, of 20 documents of 1893 . . . . .	\$390 78	
Printing 200 copies, each, of four forms of table of con- tents, documents of 1893 . . . . .	24 70	
Printing 800 copies of index to documents of 1893 . . . . .	24 04	
	<hr/>	\$439 52
<i>Amounts carried forward,</i>	\$439 52	<hr/>
		\$26,202 68

<sup>1</sup> \$452.41 additional was paid for composition and electrotyping in 1892; making the total cost of the edition \$1,460.96.

<sup>2</sup> \$1,000 additional was paid for reproducing diagrams of streets in 1893; making the total cost of the edition \$3,753.53.

PRINTING DEPARTMENT.

<i>Brought forward,</i>	\$439 52	\$26,202 68
Binding 200 sets of documents of 1893 in 4 vols., full skiver . . . . .	\$703 40	
Binding 1 set full morocco . . . . .	13 50	
	<hr/> 716 90	
		<hr/> \$1,156 42
Printing 600 copies, each, of 138 documents of 1894 . . . . .	\$1,806 41	
Printing 1,000 copies, each, of 11 lots of auditor's exhibits . . . . .	788 74	
Plans, maps, etc., for documents of 1894 . . . . .	27 50	
	<hr/> 2,622 65	
Printing 800 copies, each, 39 lots of annual reports of 1893—400 stitched, 200 in sheets, and 200 with bastard title . . . . .	\$5,426 28	
Printing 200 copies, each, titles and contents for 2 volumes of annual reports of 1893 . . . . .	4 32	
Plans, maps, etc., for annual reports of 1893 . . . . .	605 74	
Binding 200 sets of annual reports of 1893, 2 volumes each set, in skiver, . . . . .	368 61	
	<hr/> 6,404 95	
Printing 3,500 copies annual report of auditor . . . . .	824 19	
Binding 1,504 copies auditor's report—1,004 in cloth; 150 in full morocco; 200 in half morocco, marbled edges; 150 in half morocco, sprinkled edges . . . . .	696 59	
	<hr/> 1,520 78	
Paper stock for annual reports and documents of 1895 . . . . .	1,437 50	
1,200 copies organization of city government—170 in leather, 1,030 in paper covers . . . . .	\$246 95	
2,000 copies Municipal Register—200 in sheets, 1,800 in cloth (including compiling) . . . . .	2,000 07	
1,500 copies Fourth of July Oration, composition, time work, and steel plate . . . . .	224 30	
600 copies of Mayor Matthews' Valdictory . . . . .	1,000 00	
800 copies index to city documents . . . . .	151 96	
	<hr/> 3,623 28	
		<hr/> 16,765 58
<b>Clerk of Common Council.</b>		
Printing . . . . .	\$7 10	
Stationery . . . . .	94 67	
	<hr/> 101 77	
<b>Miscellaneous.</b>		
45 lots, 100 copies each, order of business for the Board of Aldermen, 236 pages . . . . .	\$265 50	
38 lots, 250 copies each, order business for the Common Council. 236 pages . . . . .	265 50	
Care and storage of stock . . . . .	900 00	
	<hr/> \$1,431 00	
<i>Carried forward,</i>		<hr/> \$43,070 03

<i>Brought forward,</i>	\$1,431 00	\$43,070 03
Stock purchased with the appropriation for printing for use of the various departments, and edited as revenue to the printing appropriation by bills rendered to departments when consumed by same . . . . .	5,226 44	
Postage stamps and postal cards, do. do. . . . .	6,300 00	
Record ink, do. do. . . . .	344 88	
Loan circulars, envelopes, complimentary slips, etc. . . . .	240 92	
Stationery for members of the City Council — 160 copies pocket-book edition of Joint Rules, and 170 diaries for same . . . . .	491 00	
City Bonds . . . . .	869 50	
		14,903 74
<b><i>Extra Publications.</i></b>		
1,500 copies Revised Ordinances, 1,400 in board covers, 100 in skiver . . . . .	\$1,670 09	
Composition of 64 pp. Gaston Eulogy . . . . .	50 17	
		1,720 26
Total . . . . .		<u>\$59,694 03</u>

#### RECAPITULATION OF THE PRINTING APPROPRIATION

*For the twelve months beginning February 1, 1894, and ending January 31, 1895.*

Appropriation for 1894 . . . . .	\$45,000 00	
Revenue from the sale of stock and postage stamps to departments . . . . .	12,805 54	
Transfer from surplus revenue . . . . .	1,888 49	
		<u>\$59,694 03</u>
Expenditures, per foregoing detailed statement . . . . .		<u>\$59,694 03</u>

The tables on the following pages show the cost of printing, stock, stationery, binding, postal cards, and postage stamps supplied to the courts of the County of Suffolk, the departments of the City Government, and for the other appropriations enumerated, and paid for by the same.

Printing and Stationery, 1894.

PRINTING DEPARTMENT.

APPROPRIATIONS.	Printing done by Contract.	Photo-Lithograph and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
April 19th Celebration . . . . .	\$6 50								\$6 50
Architect Department . . . . .	214 01	\$293 61	\$10 74	\$5 74	\$2 50	\$164 54	108 00	\$17 40	846 54
Assessing Department . . . . .	8,455 12		221 00	475 51	15	2,919 34	229 75	15 00	12,115 93
Auditing Department . . . . .	120 87		47 51			780 48	250 00	4 05	1,102 97
Board of Aldermen:									
Contingent Expenses . . . . .	5,987 97	9 00	540 78			45 00		75 75	6,058 50
Soldiers' Relief . . . . .	58 25		8 94	13 77		71 42			193 38
City Clerk Department:									
Department Expenses . . . . .	124 03		46 96	22 44		1,959 48	204 40		2,357 31
Election Expenses . . . . .	4,220 29		338 61	583 02	31 50	1,664 50	105 00		6,942 92
City Council:									
Contingent Fund Joint Committees . . . . .	5 61		21						5 82
Incidental Expenses . . . . .	15 08	2,000 00	3 30					3 00	2,021 38
City Messenger Department . . . . .	649 18	139 50	83 38	205 69	6 05	858 06	353 75	1 50	2,297 31
Clerk of Committees Department . . . . .	191 53		31 39	16 73	2 78	408 30	335 00		985 73
Collecting Department . . . . .	1,034 01		233 02	103 93	30	404 79	400 00	7 50	2,183 55
Contingent Expenses, Common Council . . . . .	67 44	39 00						146 00	252 44
Engineering Department . . . . .	196 71		39 32	49 47	10 70	385 90	50 00	17 10	749 20
Ferry Department . . . . .	898 32		48 77			30 35			977 44
Fire Department . . . . .	1,303 91	212 86	408 47	105 99	20	591 90	138 00	16 95	2,958 31
Franklin St. Tunnel . . . . .	30 34		2 06						32 40
Gaston Ecology . . . . .									19 00
Health Department:									
Department Expenses . . . . .	944 17	44 50	170 52	167 36	388 06	491 45	799 50	60 00	3,065 56
Examiners for Plumbers . . . . .	1 33						5 00		6 33
Hospital Department:									
Department Expenses . . . . .	1,461 45	43 50	251 42	222 15	15 70	623 64	10 00	85 00	2,712 86
<i>Carried forward . . . . .</i>	\$25,876 15	\$2,781 97	\$2,516 72	\$2,061 80	\$457 94	\$11,399 15	\$3,048 40	\$449 25	\$48,591 38

Printing and Stationery, 1894. — Continued.

APPROPRIATIONS.

	Printing done by Contract.	Photo-Lithographing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward.</i>	\$25,876 15	\$2,781 97	\$2,516 72	\$2,661 80	\$457 94	\$11,899 15	\$3,048 40	\$440 25	\$48,591 38
Hospital Department — Continued.									
New Building, City Hospital	340 46	..	13 36	..	..	..	..	..	353 82
Improved Sewerage	27 95	..	5 41	..	3 00	8 63	..	..	44 99
Inspection of Buildings Department	661 17	..	152 10	181 58	2 90	624 27	601 00	..	2,223 02
Board of Appeal	3 58	..	2 25	..	..	..	..	..	5 83
Inspection of Milk and Vinegar Department	176 72	..	34 71	84 90	..	56 57	103 00	8 00	463 90
Inspection of Provisions Department	2 40	..	1 09	..	..	..	..	..	3 49
Lamp Department	162 53	..	56 26	9 82	..	71 21	54 50	..	354 32
Law Department	269 48	23 00	14 32	7 52	1 00	127 31	89 00	..	531 63
Laying Out and Construction of Highways	140 63	611 85	37 47	37 30	..	472 54	20 00	48 00	1,367 79
Library Department	4,003 58	103 00	130 51	1,263 59	16 30	1,166 09	..	..	6,683 07
Market Department	85 04	..	20 10	..	..	2 60	..	..	57 74
Mayor	1,034 23	7 50	140 25	12 28	31 26	469 56	117 90	1 75	1,814 73
Mount Hope Cemetery Department	31 30	..	6 57	..	..	143 47	30 00	..	211 34
Overseeing of the Poor Department	245 64	..	64 37	32 59	.. 85	80 22	139 00	15 00	577 67
Park Department:									
Department Expenses	554 55	452 46	36 59	95 82	11 63	123 37	104 00	21 00	1,399 42
Parkway	55 13	..	23 08	..	46 00	66 31	..	..	190 52
Public Parks	75 77	..	48	..	88	3 60	10 00	..	90 73
Arborway	108 80	..	36 40	..	..	..	..	..	145 20
Arnold Arboretum	3 50	..	..	..	..	..	..	..	3 50
Back Bay Park	3 50	..	..	..	..	..	..	..	3 50
Charlesbank	98 05	..	3 21	..	..	..	..	..	106 64
Franklin Park	13 70	..	..	3 20	22 35	121 86	..	..	161 11
Leverett Park	26 43	..	1 76	..	..	21 50	..	..	49 69
Marine Park	115 97	..	5 71	..	..	1 25	..	..	122 93
<i>Carried forward.</i>	\$84,066 26	\$3,979 78	\$3,302 72	\$3,790 40	\$594 11	\$14,864 89	\$4,216 80	\$543 00	\$65,557 96

PRINTING DEPARTMENT.

Printing and Stationery, 1894. — Continued.

APPROPRIATIONS.	Printing done by Contract.	Photo-Lithographing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward</i> . . . . .	\$34,066 26	\$3,979 78	\$3,302 72	\$3,796 40	\$594 11	\$14,964 89	\$4,316 80	\$543 00	\$65,557 96
Park Department — <i>Continued</i> .									
Muddy River Parkway . . . . .						21 55			21 55
Pine Bank, Jamaica Plain . . . . .	45 44		1 37						46 81
Riverway . . . . .						15 99			15 99
Wood Island Park . . . . .	3 50								3 50
Police Department:									
Department Expenses . . . . .	1,960 15	3 00	568 33	341 23	1 90	1,023 98	92 00		3,990 59
House of Detention . . . . .	15 80		1 14						16 94
Liquor License Expenses . . . . .	368 35	22 00	70 47	72 75	2 80	264 28	163 00		963 65
Police Signal System . . . . .	228 15		3 56	97 91		34 50			364 12
Public Buildings Department:									
Department Expenses . . . . .	62 25		44 77	3 78		73 82	45 00		229 62
Election Expenses . . . . .	78 96		14 16	70			86 00		179 82
Engine House No. 27 — Remodelling . . . . .	34 94		1 29						36 23
Public Buildings — Schools . . . . .	34 13		8 73	3 78	5 50	134 58	136 00		322 72
Public Celebrations . . . . .	498 71		5 94	80 21	6 50		10 00		661 36
Public Grounds Department . . . . .	18 53	12 50	10 81	5 46		35 92	39 50		122 72
Public Institutions Department:									
Department Expenses . . . . .	304 27		28 14					22 50	354 91
New Buildings, Long Island . . . . .	77 23		2 28		70				80 21
Parental School for Boys . . . . .	22 09		72		35				23 16
Registration of Voters Department . . . . .	4,808 63		246 83	91 88	11 55	837 90	83 00		6,079 79
Registry Department . . . . .	372 93		186 25	169 63	4 20	144 87	103 00	19 50	1,600 38
School Committee:									
Department Expenses . . . . .	3,693 36				15				3,693 51
Agnesiz School-House . . . . .	21 34		72		35				22 41
<i>Carried forward</i> . . . . .	\$47,275 02	\$4,017 28	\$4,498 23	\$4,657 73	\$628 11	\$17,552 28	\$5,074 30	\$555 00	\$84,287 95

Printing and Stationery, 1894. — Continued.

	Printing done by Contract.	Photo-Lithograph and plate printing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage Stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward</i> . . . . .	\$47,275 02	\$4,017 28	\$4,498 23	\$4,637 73	\$628 11	\$17,552 28	\$5,074 30	\$585 00	\$84,287 95
School Committee — Continued.									
Brighton High School-House . . . . .	89 54	..	4 07	..	..	..	..	..	93 61
Grammar School-House, Gibson District . . . . .	31 22	..	1 25	..	..	..	..	..	32 47
Grammar School-House, Stoughton District . . . . .	159 36	..	6 77	..	..	..	..	..	166 13
Mechanics Arts High School . . . . .	39 97	..	1 37	..	..	..	..	..	41 34
Primary School-House, Canterbury and Sharon Streets . . . . .	155 71	..	6 95	..	..	..	..	..	162 66
“ “ Eustis Street . . . . .	84 84	..	3 42	..	45	..	..	..	88 71
“ “ Morton Street . . . . .	120 05	..	4 23	..	..	..	..	..	124 28
“ “ Moulton Street . . . . .	108 13	..	4 62	..	..	..	..	..	112 75
“ “ North of Broadway . . . . .	36 01	..	1 36	..	..	..	..	..	37 37
“ “ Oak Square . . . . .	39 29	..	1 26	..	30	..	..	..	40 85
Sealing of Weights and Measures Department . . . . .	182 20	..	24 30	2 71	9 25	63 60	28 00	..	310 06
Sinking-Funds Department . . . . .	128 47	12 00	4 65	..	..	49 00	6 00	..	198 12
Street Department:									
Central Office . . . . .	74 93	19 75	24 30	12 76	49 00	494 10	111 50	2 00	788 34
Bridge Division . . . . .	238 99	23 46	69 72	3 76	5 00	137 63	17 00	30 79	526 35
Cambridge Bridges Division . . . . .	39 81	..	7 82	..	..	8 83	25 00	..	81 46
Paving Division . . . . .	1,081 26	48 46	259 95	64 78	50 45	1,333 13	251 00	37 55	3,126 58
Sanitary Division . . . . .	349 12	20 81	115 48	14 04	10 00	448 93	86 00	30 79	1,075 17
Sewer Division . . . . .	269 37	51 71	102 10	18 37	132 00	1,015 41	27 50	30 80	1,647 26
Street-Cleaning Division . . . . .	182 99	15 96	56 90	5 73	89 60	169 48	29 00	30 79	571 45
Watering Division . . . . .	..	..	..	..	..	44 95	10 00	..	54 95
A bollishment of Grade Crossings . . . . .	89 72	..	6 53	..	..	..	..	..	96 25
Street Laying Out Department . . . . .	80 28	..	30 50	1 89	..	185 05	78 40	45 00	421 12
Subway Commission . . . . .	155 75	..	..	..	..	..	..	..	155 75
Surveying Department . . . . .	30 00	77 00	13 61	..	..	101 03	..	17 85	239 49
Treasury Department . . . . .	347 10	192 00	47 57	10 06	72 52	216 77	51 00	2 25	939 27
<i>Carried forward</i> . . . . .	\$51,387 13	\$4,478 43	\$5,206 96	\$4,701 83	\$1,046 68	\$21,820 19	\$5,785 70	\$912 82	\$95,419 74

APPROPRIATIONS.



PRINTING DEPARTMENT.

Printing and Stationery, 1894. — Concluded.

APPROPRIATIONS.

	Printing done by Contract.	Photo-Lithographing by parties outside contract.	Stock from supplies.	Special stock.	Stock by printers.	Stationery.	Postage stamps and Postal Cards.	Binding.	Totals.
<i>Brought forward</i> . . . . .	\$51,387 13	\$4,478 43	\$5,296 96	\$4,791 83	\$1,046 08	\$21,820 19	\$9,785 70	\$812 82	\$65,419 74
Water Works:									
Cochituate Water Works . . . . .	738 41	80 81	211 65	46 40	86 86	398 05	314 50	30 00	1,006 68
Additional Supply of Water . . . . .	134 87	35 00	28 51	..	15 86	60 79	..	..	275 03
Mystic Water Works . . . . .	284 58	..	27 73	11 96	12 30	82 23	33 00	..	451 80
Water-Income Department:									
Cochituate Water Works . . . . .	538 41	..	44 00	312 63	..	150 27	21 50	..	1,062 81
Mystic Water Works . . . . .	269 36	..	22 94	95 83	..	77 47	131 50	..	557 10
Wire Department . . . . .	134 21	47 00	9 51	61 65	..	233 94	61 00	..	547 31
County of Suffolk:									
Auditor . . . . .	8 78	..	65	..	..	22 25	42 00	..	73 68
East Boston District Court . . . . .	126 28	..	39 26	98	..	34 19	..	..	200 71
Jail . . . . .	11 12	..	5 19	..	..	..	..	..	16 31
Medical Examiners . . . . .	43 88	..	46	20 61	..	7 93	..	..	72 88
Municipal Court, Brighton . . . . .	225 87	..	57 84	..	..	7 50	..	..	290 94
" " Charlestown . . . . .	22 37	..	12 35	..	..	57 01	..	..	91 93
" " Civil Business . . . . .	..	..	4 00	..	..	..	..	..	4 00
" " Criminal Session . . . . .	..	..	..	..	..	10 50	..	..	10 50
" " Dorchester . . . . .	98 20	..	29 60	1 95	..	..	..	..	129 75
" " Roxbury . . . . .	135 16	..	84 30	..	75	44 05	..	..	264 26
" " South Boston . . . . .	257 54	..	89 38	..	75	91 83	8 00	..	447 50
" " West Roxbury . . . . .	79 60	..	17 10	..	..	23 27	4 00	..	125 97
Police Court, Chelsea . . . . .	..	..	2 00	..	..	..	..	..	2 00
Public Buildings . . . . .	1 75	..	50	..	..	..	..	..	2 25
Probate Court . . . . .	5,626 03	..	33 22	2,227 91	..	1,769 86	..	..	9,657 02
Registry of Deeds . . . . .	851 94	..	..	..	..	2,743 23	..	..	2,595 17
Superior Civil Court . . . . .	3,261 03	..	197 89	38 38	19 05	1,239 96	26 00	..	4,782 31
Supreme-Judicial Court . . . . .	846 64	..	120 94	11 46	..	611 25	31 00	229 65	1,850 94
Treasurer . . . . .	14 75	..	9 75	..	..	3 25	..	..	9 75
Totals . . . . .	\$65,037 91	\$4,641 24	\$6,347 34	\$7,621 69	\$1,182 25	\$29,491 02	\$6,458 20	\$1,072 47	\$121,852 02

## STOCK ACCOUNT.

Value of stock on hand December 10, 1893, per last report . . . . .	\$2,982 62
purchased during the year . . . . .	14,632 30
	<u>\$17,614 92</u>
Value of stock consumed by the different departments during the year . . . . .	\$13,968 93
Value of stock consumed on Documents, etc. . . . .	1,021 00
on hand December 10, 1894 . . . . .	2,624 99
	<u>\$17,614 92</u>

## POSTAL CASH ACCOUNT.

Amount of drafts drawn during the year . . . . .	\$6,300 00
Brought forward from 1893 . . . . .	499 50
	<u>\$6,799 50</u>
Value of postage stamps purchased during the year . . . . .	\$6,360 50
Value of postal cards purchased during the year . . . . .	439 00
	<u>\$6,799 50</u>

## POSTAL PURCHASE AND SALE ACCOUNT.

Value of postage stamps and postal cards brought forward from 1893 . . . . .	\$205 40
Value of postage stamps and postal cards purchased during the year . . . . .	6,799 50
	<u>\$7,004 90</u>
Value of postage stamps and postal cards sold to the different departments . . . . .	\$6,621 09
Value of postage stamps and postal cards on hand January 1, 1894 . . . . .	383 81
	<u>\$7,004 90</u>

## RECAPITULATION.

Printing, binding, stock, stationery, postal cards and postage stamps supplied to the various departments, as shown in tables, and paid for out of their appropriations . . . . .	\$121,852 02
Expenditures of the Printing Department (including office expenses) . . . . .	59,694 03
Total . . . . .	<u>\$181,546 05</u>

The extra publications issued during the year were 600 copies Mayors' Inaugurals, 1,700 copies 24th Report of the Record Commissioners, 660 copies Hale's Survey of Boston, 200 copies Hale's Map of Boston, 1,500 copies Revised Ordinances, and 1,000 copies of Walker's Map of the City of Boston. The cost of the maps was defrayed by the appropriation for the City Council, Incidental Expenses, and the other works were paid for out of the appropriation for Printing Department.

The papers used for the books of record are Weston's, Brown's, American Linen, and Whatman's; preference being given in nearly all cases to those of domestic manufacture.

### RECORD INK.

In May, 1894, the Legislature passed an act entitled "An Act to establish Standard Record Inks for Public Records," and about the middle of September the City Clerk, after receiving official notification of the same from the Secretary of the Commonwealth, requested the superintendent of this department to call the attention of the officials of the County of Suffolk, and the heads of the departments of the city to the act, and request that orders for the ink be forwarded to this office without delay. The following is a copy of the circular issued:

PRINTING DEPARTMENT,  
CITY HALL, BOSTON, September 17, 1894.

Your attention is respectfully called to the following extract from the Acts and Resolves of 1894:

[CHAP. 378.]

#### AN ACT TO ESTABLISH STANDARD RECORD INKS FOR PUBLIC RECORDS.

*Be it enacted, etc., as follows:*

SECTION 1. No person having the care or custody of any book of record or registry in any of the departments or offices of the Commonwealth, or of any county, city, or town therein, shall use or allow to be used upon such books any ink excepting such as is furnished by the secretary of the Commonwealth.

SECT. 2. The secretary of the Commonwealth shall from time to time advertise for proposals to furnish the several departments and offices of the Commonwealth, and of the counties, cities, or towns therein in which books of record or registry are kept, with inks of a standard, and upon conditions to be established by the secretary, at such periods and in such quantities as may be required, and may contract for the same.

SECT. 3. The inks so furnished before accepted by the secretary shall be examined by a chemist, to be designated by the secretary, and if

at any time any of said inks shall be found to be inferior to the established standard the secretary shall have authority to cancel any contract made for furnishing said inks.

SECT. 4. This act shall take effect upon the first day of September in the year eighteen hundred and ninety-four. [*Approved May 12, 1894.*]

All orders for Writing Ink required for use on books or papers of Record or Registry in your office or department should be made up and forwarded to this office without delay. In ordering please make the requisition large enough to cover six months' supply.

THOMAS J. LANE,  
*Superintendent of Printing.*

In response to this circular orders for the ink were received from many of the departments and officials notified, but a number not replying it was deemed necessary to send out the following additional notice :

PRINTING DEPARTMENT,  
CITY HALL, BOSTON, December 3, 1894.

SIR: If any Standard Record Writing Ink is required for use in your office or department it will have to be ordered immediately, as the Secretary of the Commonwealth has notified the City Clerk that orders received later than the first week in December will not be attended to until April, unless in special cases. All orders for Standard Record Ink furnished from the office of the Secretary of the Commonwealth must be made for *six months'* supply and sent in before the *first of October* and the *first of April* of each year.

Requisitions may be made on the regular blank forms for Stationery furnished from this office.

Respectfully,  
THOMAS J. LANE,  
*Superintendent of Printing.*

This was more generally complied with, and at the present time the ink is in use in nearly all the departments and offices.

Considerable fault has been found with the working of the ink. It is said to be gummy, gritty, not to dry well, and smooches easily — this last being particularly noticeable in damp weather. Possessing the quality of copying, it is difficult to obviate this.

The attention of the City Clerk having been called to these complaints, he furnished me with a copy of instructions received from the Secretary of the Commonwealth for guidance

in its use. This was printed and issued in the following form :

PRINTING DEPARTMENT,  
CITY HALL, January 4, 1895.

The following circular of directions for the use of Standard Record Ink received from the Secretary of the Commonwealth by the City Clerk is, at his request, issued in this form for the information of the Courts of the County of Suffolk, Departments of the City Government, and other officers having the care of the Public Records.

Respectfully,

THOMAS J. LANE,  
*Superintendent of Printing.*

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## Commonwealth of Massachusetts.

OFFICE OF THE SECRETARY.

### DIRECTIONS FOR THE USE OF STANDARD RECORD INK.

Do not allow the ink to freeze.

Do not add water, other ink, or any foreign substance to it. The mixture of certain inks would result in the precipitation of everything but the water.

Keep it tightly covered when not in use.

Use a coarse pen, in order to deposit a sufficient body of ink upon the paper, and *allow the ink to dry*. Blotting paper should not be used upon records. Its use removes the body of the ink, leaving discoloration, but nothing for penetration.

The use of acids in making erasures is dangerous, as the acid left in the paper may destroy the ink when the paper is again written upon.

The ink should be frequently renewed in the inkstand, and the inkstand washed carefully, especially where steel pens are used, as the constant dipping of the pen has a tendency to produce chemical changes in the ink.

WM. M. OLIN,  
*Secretary.*

Since the circular of instructions was issued, no further complaint has been made to me; so it seems fair to infer that the ink must be giving better satisfaction.

As it is very important that an ink possessing the quality of permanence claimed for the "Standard" should be used upon all the public records, it is to be hoped that the seeming imperfections have been remedied.

THOMAS J. LANE,  
*Superintendent of Printing.*





ANNUAL REPORT  
OF THE  
PUBLIC BUILDINGS DEPARTMENT,  
FOR THE YEAR 1894.

OFFICE OF THE SUPERINTENDENT OF PUBLIC BUILDINGS,  
OLD COURT HOUSE, ROOM 30.

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In compliance with the ordinance relating to the Public Buildings Department, I have the honor to submit the following, which is the annual report of the Superintendent of Public Buildings:

The public buildings in charge of this department, belonging to the city of Boston, number 123, together with 3 leased buildings and 11 rooms in different buildings, variously occupied for city purposes. The City Hall is occupied entirely by the various departments and offices of the city.

The Fire Department requires for its service the use of 61 buildings, occupied as follows:

41 Engine houses.	6 Ladder-truck houses.
4 Chemical-engine houses.	1 Repair-shop.
2 Combination wagon-houses.	3 Fuel-houses.
3 Hose-houses.	1 Headquarters.

The buildings in use wholly by the Police Department number 15, 12 of which are in use for police station-houses,

and the remainder for lock-ups; the remaining police stations, which number 4, are in other city buildings.

This department also has the charge of the City Hall (Charlestown District), Faneuil Hall and Faneuil Hall Market-house, Charity Bureau, Old State House, and stables of the Department of Sanitary Police.

Estates numbered 37 Pemberton square, 12 and 14 Beacon street, and rooms in Exchange Building, State street, are occupied for city offices.

The amount expended the past year for rents and taxes for outside property has been \$26,148.14.

The public buildings occupy 1,319,710 square feet of land.

The school-houses owned by the city number 178, occupying 3,596,862 square feet of land.

In addition, 28 buildings were leased for school purposes, at a rental of \$15,693.49, and containing 55 school-rooms.

The Court House and County Jail are used for county purposes alone.

The Municipal District courts number seven, and occupy rooms in city buildings in various sections of the city.

The county buildings cover 231,914 square feet of land.

The expenditures for repairs, alterations, improvements, heating, furnishing, care, and cleaning have been as follows:

Public buildings:		
Public buildings . . . . .	\$135,138	40
Election expenses . . . . .	36,603	10
Armories . . . . .	17,755	31
	<hr/>	\$189,496 81
County buildings . . . . .		24,089 39
School-houses, public buildings . . . . .		213,765 70
Public buildings, special appropriations . . . . .		1,491 09
School-houses, special appropriation . . . . .		14,152 97
		<hr/>
Total expenditures by department . . . . .	\$442,995	96
		<hr/>

These expenditures in detail are as follows:

#### PUBLIC BUILDINGS.

Rents and taxes . . . . .	\$26,148	14
Carpentry, lumber, and hardware . . . . .	11,028	25
Salaries . . . . .	14,520	50
Masonry, whitening, paving, and drains . . . . .	5,404	37
Painting and glazing . . . . .	4,180	91
	<hr/>	
<i>Carried forward,</i>	\$61,282	17



<i>Brought forward,</i>	\$61,282 17
Janitors' care and cleaning . . . . .	18,253 98
Plumbing . . . . .	2,699 45
Gas and electric light fixtures . . . . .	1,859 29
Gas . . . . .	1,948 54
Electric lighting . . . . .	11,384 85
Heating and ventilation . . . . .	2,697 15
Fuel . . . . .	5,272 17
Furniture . . . . .	11,025 53
Roofing, gutters, and conductors . . . . .	2,737 23
Bells, locks, supplies, and teaming . . . . .	5,439 07
Iron and wire work . . . . .	394 73
Water and ice . . . . .	2,477 02
Board and shoeing of horse, car and ferry tickets . . . . .	650 51
Advertising, printing, stationery, postage, messenger service, and telephone . . . . .	645 33
Auxiliary fire-alarm boxes, rental and repairs of . . . . .	259 50
Awnings, new, and putting up and taking down . . . . .	277 15
Paving and sewer assessments . . . . .	533 53
Pounds and city scales . . . . .	136 34
Grading . . . . .	1,200 00
Electric fans . . . . .	280 00
To fitting up quarters for Ladder Truck 12, by City Architect, and approved by his Honor the Mayor, January 31, 1895 . . . . .	3,684 86
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	\$135,138 40
	<hr/>

*Detail of Expenditures.*

City Hall . . . . .	\$19,067 11
Old Court House . . . . .	17,719 80
12 and 14 Beacon street . . . . .	4,918 59
All other public offices:	
27 and 28 School street, Exchange building, Old State House, and Milk Inspector . . . . .	1,724 70
Overseers of the Poor:	
Charity Bureau, Wayfarers' Lodge, and City Temporary Home . . . . .	2,097 95
Markets:	
Faneuil Hall, and Quincy . . . . .	2,326 32
City Stables:	
South and West . . . . .	648 41
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<i>Carried forward,</i>	\$48,502 88

<i>Brought forward,</i>	\$48,502 88
Board of Health :	
Morgue, and Small-pox Hospital . . . . .	328 18
Board of Police :	
Headquarters, Pemberton square, and Police Stations . . . . .	3,502 94
Fire Department :	
Headquarters, Repair-shop, and Engine- houses . . . . .	11,146 44
Public Buildings. Miscellaneous :	
City Hall, Charlestown ; Old Town Hall, Dorchester ; Curtis Hall, Jamaica Plain ; Old Town Hall, Brighton ; South End Branch Library, City scales, Pounds ; Old Franklin School building ; and Storehouse, Wareham street . . . . .	3,670 46
Fuel furnished at the following buildings :	
City Hall, Old Court House, City Hall, Charlestown ; Curtis Hall, City building, 12 and 14 Beacon street, Faneuil Hall, Old State House, and 37 Pemberton square,	5,272 17
Rents and Taxes :	
37 Pemberton square, Police Headquarters ; 12 and 14 Beacon street, City Depart- ments ; 994 Washington street, Milk In- spector ; Exchange building, Park Com- missioners ; Exchange building, Board of Survey ; Lock-up, Mattapan ; Niles Es- tate, Superintendent Public Buildings ; and 28 School street, Superintendent of Wires,	26,148 14
Janitors, Engineers, and Cleaning :	
City Hall, Boston ; City Hall, Charlestown ; Old State House, 37 Pemberton square, 12 and 14 Beacon street, Old Court House, Faneuil Hall, Curtis Hall, and Milk In- spector . . . . .	18,253 98
Teaming, Janitors' supplies, and Miscellaneous items . . . . .	3,792 71
Salaries . . . . .	14,520 50
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	<u>\$135,138 40</u>

## ELECTION EXPENSES.

Rents . . . . .	\$8,601 84
Janitors . . . . .	5,034 95
Carpenter-work . . . . .	14,254 33
Heating and lighting . . . . .	2,240 10
Horse-hire, etc. . . . .	262 70
Plumbing, painting, etc. . . . .	284 27
Teaming and supplies . . . . .	5,116 83
Printing, stationery, postage, messenger, etc.,	298 21
Furniture . . . . .	237 65
Ironwork, locks, and keys . . . . .	272 22
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	\$36,603 10
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*Detail of Expenditures.*

On account of elections of 1893 . . . . .	\$4,820 08
To the hire of ward rooms for Wards 12, 13, 14, 21, and 24, and three storehouses for voting booths and furniture . . . . .	5,040 00
To Special Election, July 24, 1894:	
To putting up, taking down, and carting 49 voting booths . . . . .	3,098 00
To rents paid for hire of stores and lots for booths . . . . .	980 00
To janitor services at 205 voting precincts,	1,240 00
To carpenter-work, taking up school furni- ture, etc., putting up rails and voting shelves, and putting same back in 150 precincts, 105 being school buildings . . . . .	1,297 00
To putting in furniture in 205 voting pre- cincts and removing same, viz.:	
Tables, 615; chairs, 1,300; voting shelves, 410; racks, 410; ballot-box (old style), 205 . . . . .	1,500 00
To miscellaneous small items . . . . .	325 00
To fitting up the 25 ward rooms, 5 times each, with extra rails, 42 tables, 64 chairs, 145 racks, 110 voting shelves, and 1,500 pen- cils on account of regular caucuses . . . . .	2,500 00
To Janitor services for same, and 211 politi- cal meetings . . . . .	1,000 00
State and City elections of 1894:	
To erecting 45 voting booths, carting, re- moving, and repairing, etc. . . . .	2,843 02
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<i>Carried forward,</i>	\$24,643 10

<i>Brought forward,</i>	\$24,643 10
To rents paid for 30 stores and 21 lots for booths . . . . .	2,500 00
To janitor services at the two elections, including the putting on of lanterns on booths in the street . . . . .	2,310 60
To carpenters' work, taking up and putting down furniture in school-houses, also putting up the rails and voting shelves in all precincts except voting booths . . . . .	3,100 75
To teaming of 615 tables; chairs, 1,300; voting shelves, 410; racks, 410; ballot-box (old style), 205; stoves, 71. with hod, poker, and zinc; 525 bracket lamps and fixtures; 210 hanging lamps and fixtures; 474 gallons of oil, and 15 tons of coal and 1½ cords of wood . . . . .	1,900 00
To putting up gas-fixtures, lamps, and filling,	596 94
To setting up, etc., of 71 stoves . . . . .	325 00
To 15 tons of coal and 1½ cords of wood . . . . .	81 58
To printing, stationery, and stamps . . . . .	213 52
To miscellaneous small items, painting and glazing, messenger services, furniture, locks and keys, water-rates, etc. . . . .	931 61

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\$36,603 10

*Totals on Account of Elections.*

Totals elections of 1893 . . . . .	\$4,820 08
Ward-rooms . . . . .	5,850 00
Special election, July 24, 1894 . . . . .	8,440 00
State and city elections of 1894 . . . . .	17,493 02
Total . . . . .	\$36,603 10

ARMORIES.

Rents and taxes . . . . .	\$12,372 68
Heating-apparatus, gas-fitting, and plumbing . . . . .	114 90
Furniture and furnishings . . . . .	25 00
Fuel . . . . .	1,052 09
Gas and electric lighting . . . . .	824 00
Supplies and teaming . . . . .	85 00
Water rates . . . . .	144 00
Repairs, masonry, carpentry, painting, etc. . . . .	149 64
Rifle practice . . . . .	2,988 00

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\$17,755 31

*Detailed Statement.*

## Rents :

Headquarters, First Brigade, 19 Milk street ;  
 headquarters, Second Brigade, 37 Tremont street ; Company A, Fifth Regiment, Congress Hall, Charlestown ; Company L, Sixth Regiment, 7 Green street ; Company D, First Battalion of Cavalry, Bacon's Hall ; Company A, First Corps of Cadets, Company B, First Corps of Cadets, Company C, First Corps of Cadets, Company D, First Corps of Cadets, 130 Columbus avenue ; and Company A, First Battalion Light Artillery, West Newton and Pembroke streets . . . . . \$12,372 68

Rifle practice: Includes rent of rifle range and transportation.

By First Corps Cadets, Naval Brigade, Cavalry Companies A and D, Fifth Regiment, Companies A and H ; Ninth Regiment, Companies A, B, C, D, E, H, I, K ; Signal Corps, First Brigade ; Signal Corps, Second Brigade ; First Brigade Staff, Sixth Regiment, Company L ; and First Regiment, Companies A, C, D, G, K, L, . . . . . 2,988 00

## Water rates :

Company D, Ninth Regiment ; Company A, Fifth Regiment ; Company A, First Battalion of Cavalry ; Company D, First Battalion of Cavalry ; and Battery A, First Battalion of Light Artillery . . . . . 144 00

## Fuel :

Armory, Battery A ; armory, First Corps Cadets ; armory, Company L, Sixth Regiment ; armory, Company D, Ninth Regiment ; armory, Company D, First Battalion of Cavalry ; armory, Company A, Fifth Regiment ; and headquarters of First Brigade . . . . . 1,052 09

## Gas and electric light :

Armory, First Corps Cadets ; armory, Battery A ; armory, Company L, Sixth Regiment ; armory, Company D, Ninth Regiment ; armory, Company A, First Battalion of Cavalry ; armory, Company D, First Battalion of Cavalry ; armory,

*Carried forward,*

\$16,556 77

<i>Brought forward,</i>	\$16,556 77
Company A, Fifth Regiment; and headquarters of First Brigade . . . . .	824 00
Repairs and supplies to the above armories . . . . .	374 54
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	\$17,755 31

## COUNTY BUILDINGS.

Rents . . . . .	\$6,750 00
Janitors' care, cleaning, and supplies . . . . .	5,378 71
Furniture and furnishings . . . . .	3,761 57
Electric light . . . . .	1,303 37
Fuel, water, and ice . . . . .	967 78
Gas . . . . .	293 59
Gas and electric-light fixtures . . . . .	164 24
Carpentry, masonry, roofing, and painting . . . . .	1,105 02
Heating and plumbing . . . . .	957 72
Bells, locks, and ironwork . . . . .	600 72
Teaming . . . . .	828 35
Asphalt . . . . .	963 07
Grading and care of lawns . . . . .	1,015 25
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	\$24,089 39

*Detail Statement.*

Court House (new) . . . . .	\$245 52
Probate Court (old building), \$6,750 of this was rent . . . . .	10,832 22
Municipal Court, Roxbury . . . . .	2,139 10
“ “ Dorchester . . . . .	889 89
“ “ Charlestown . . . . .	806 54
“ “ East Boston . . . . .	790 30
“ “ South Boston . . . . .	1,168 02
“ “ Jamaica Plain (new) . . . . .	3,807 54
“ “ Brighton (new) . . . . .	3,121 17
County Jail . . . . .	289 09
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	\$24,089 39

## SCHOOL-HOUSES, PUBLIC BUILDINGS.

Furniture . . . . .	\$39,349 16
Carpentry, lumber, and hardware . . . . .	30,346 98
Heating-apparatus and ventilation . . . . .	19,007 38
Masonry, paving, drains, etc. . . . .	13,505 17
Rents and taxes:	
High School Military Drill . . . . .	\$400 00
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<i>Carried forward,</i>	\$400 00
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	\$102,208 69

<i>Brought forward,</i>	\$400 00	\$102,208 69
Grammar Schools . . . . .	3,576 84	
Primary Schools . . . . .	6,630 65	
Evening Drawing School, East Boston . . . . .	940 00	
Kindergartens . . . . .	2,346 00	
Manual Training . . . . .	1,800 00	
	<hr/>	15,693 49
Painting and glazing . . . . .		20,801 47
Whitening and plastering . . . . .		13,468 42
Blackboards . . . . .		4,072 10
Locks, keys, and electric bells . . . . .		3,264 77
Roofing, gutters, and conductors . . . . .		7,615 41
Iron and wire work . . . . .		2,014 73
Fire-escapes, new, repairs and rent . . . . .		308 61
Sash elevators and weather strips . . . . .		678 64
Plumbing . . . . .		16,950 32
Gasfitting . . . . .		2,131 44
Teaming and supplies and cleaning buildings . . . . .		4,047 83
Asphalt in cellars and yards . . . . .		717 00
Horse-shoeing, board of horses, repairs of carriages, harnesses, and car-fares . . . . .		1,170 08
Salaries . . . . .		5,380 00
Printing, stationery, and postage . . . . .		407 68
Rent and care of auxiliary fire-alarm boxes . . . . .		4,380 96
Paving and sewer assessments . . . . .		2,120 99
Cleaning vaults . . . . .		2,993 90
Flag-staffs, new, and care of old . . . . .		550 55
Disinfectants . . . . .		1,661 35
Tools for janitors . . . . .		552 50
Damages, order of Committee on Claims . . . . .		340 00
Messenger service . . . . .		60 35
Care of lawns . . . . .		114 92
Water rates . . . . .		59 50
		<hr/>
Total for repairs, etc. . . . .		\$213,765 70

*Detail Statement.*

High Schools . . . . .	\$26,274 62
Grammar Schools . . . . .	92,728 04
Primary Schools . . . . .	67,867 91
Horace Mann School . . . . .	1,404 30
Kindergartens . . . . .	6,351 39
Manual Training Schools . . . . .	4,425 47

*Carried forward,*\$199,051 73

<i>Brought forward,</i>	\$199,051 73
Evening Schools . . . . .	889 76
Evening Drawing Schools . . . . .	1,204 75
Not chargeable to any school . . . . .	12,619 46
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	<u>\$213,765 70</u>

The following amounts on special appropriations on Public Buildings have been expended :

Ward Room, Ward 25 . . . . .	<u>\$1,491 09</u>
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Following are the special appropriations on school-house account expended during the year :

Primary School-house, Thornton street, furnishing . . . . .	\$1,887 63
Agassiz School-house, furnishing . . . . .	7,999 13
Wise Building, sanitary improvements . . . . .	486 77
Mechanic Arts High School, furnishing . . . . .	3,779 44
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	<u>\$14,152 97</u>

#### INCOME.

The following are the buildings from which rents have been received during the past year, together with the amounts ; all of which are in charge of this department :

Faneuil Hall Market and cellars and outside stalls . . . . .	\$66,703 00
Faneuil Hall building, stalls, and cellars under Faneuil Hall . . . . .	18,225 95
Old State House . . . . .	10,100 00
House, 94 Roxbury street . . . . .	275 00
Stable, Charlestown District . . . . .	162 50
Curtis Hall . . . . .	155 00
Ward-rooms . . . . .	424 00
Rotunda and offices, Quincy Hall . . . . .	2,800 00
Engine-house lot, Soley street . . . . .	100 00
Town Hall, Dorchester . . . . .	76 00
Produce Exchange . . . . .	151 00
Rooms in Quincy Hall . . . . .	2,000 00
Sale of old material . . . . .	62 50
Armory, West Newton street . . . . .	350 34
Basement Old Franklin School-house . . . . .	100 00
Old Franklin School-house . . . . .	100 00
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Total . . . . .	<u>\$101,785 29</u>



Two buildings in charge of this department were destroyed by fire during the year, — Walpole-street School-house, and Ladder 12 and Hose House 7.

The following list will show the number and location of buildings belonging to and hired by the city, which are under the charge of this department.

Respectfully submitted,

FREDERICK B. BOGAN,  
*Superintendent of Public Buildings.*

## PUBLIC BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
City Hall . . . . .	School st. . . . .	25,915	
City Hall . . . . .	City sq., Charles- town . . . . .	8,246	Police Station No. 15 in this building; also branch of the Public Library, and Municipal Court and Evening Drawing School. Police-wagon stable on this lot.
Faneuil Hall, and market under same . . . . .	Faneuil Hall sq. . . . .	8,460	
Faneuil-hall market-house, and hall over same . . . . .	North and South Market sts. . . . .	27,400	
Old State House . . . . .	State st. . . . .	4,239	
South City stables . . . . .	Albany st. . . . .	90,780	Four buildings and four sheds.
Highland-st. stables . . . . .	Highlands . . . . .	81,082	Three buildings.
West City stables . . . . .	North Grove st. . . . .	33,306	Two buildings.
Curtis Hall . . . . .	South st., W.R. . . . .	49,907	Branch of Public Library and Ward-room 23 in this building.
Offal depot, wharf, and dock . . . . .	Albany st. . . . .	39,511	
Storehouse . . . . .	Wareham st. . . . .	8,500	
Old Armory building . . . . .	Maverick st. . . . .	4,337	Ward-room 2 in this building; upper part leased to Post 159, G.A.R.
Reception-house . . . . .	North Grove st. . . . .	11,792	
Paving Dept. yard . . . . .	Hancock street, Ward 24 . . . . .	109,444	Four buildings occupied by Paving Department.
House and land . . . . .	94 Roxbury st. . . . .	4,190	Rents for \$300 per annum.
Central Charity Bureau . . . . .	Chardon st. . . . .	19,962	Boiler and storehouse on lot.
City Temporary Home . . . . .			
Town Hall . . . . .	Washington street, Dorchester . . . . .	16,800	Used for drill-hall, Dorchester High School.
Town Hall . . . . .	Washington st. . . . .	13,431	Ward-room 25 in this building; other room leased to Post 92, G.A.R., for 5 years from Dec. 1, 1893.
Stable . . . . .	Rutherford ave. . . . .	17,300	Two buildings occupied by Health Department.
Ward-room 19 . . . . .	Cabot st. . . . .	7,469	
Wayfarers' Lodge . . . . .	Hawkins st. . . . .	9,523	Ward-room 7 in this building.
Church building . . . . .	Corner Dudley and Vine sts. . . . .	11,592	Ward-room 20 in this building, and Vine-st. Chapel on this lot.
Small-Pox Hospital . . . . .	Canterbury st. . . . .	182,168	
Old Franklin School-house,	Washington st. . . . .	11,471	Ward-room 16. Posts 15 and 7, G.A.R., in this building. Lease expires July 1, 1897.

PUBLIC BUILDINGS. — *Concluded.*

Buildings.	Location.	No. of ft. in lot.	Remarks.
<sup>1</sup> Old Winthrop School-house	Bunker Hill street, Charlestown . . .	7,927	Armory and Ward-room 3 in this building.
<sup>1</sup> Old Court House . . . . .	Court sq. . . . .	15,175	Occupied by city offices.
Westerly Hall . . . . .	Centre st., West Roxbury . . . . .	5,644	Public Library Branch in this building, and one room used for school purposes.
Stable . . . . .	Chauncy pl. . . . .		Rents for \$150 per year, on lot with Chauncy-pl. School.
<sup>1</sup> Storehouse . . . . .	Chauncy pl. . . . .		On lot with Chauncy-pl. School.
<sup>1</sup> Smith School-house . . . . .	Joy st. . . . .	1,938	Leased to Post 134, G.A.R., from Jan. 1, 1893, to Jan. 1, 1899.
<sup>1</sup> Engine-house lot . . . . .	Soley st. . . . .	2,230	Rents for \$150 per annum.
<sup>1</sup> Old Probate Court Building	Court sq. . . . .	2,423	Unoccupied.
<sup>1</sup> Starr King School-house . . . . .	Tennyson st. . . . .	11,095	Unoccupied.

<sup>1</sup>The above buildings were surrendered to this department, as not wanted for school, fire, or county purposes.

In addition to the foregoing, the following property is leased for the use of this department :

Location of Buildings.	Rent.	No. of Rooms.	Occupied by
37 Pemberton square . . . . .	\$5,800 per year and taxes. Police Department pay one-fourth of rent	Whole building.	Police Commissioners and Police Department.
12 Beacon street . . . . .	\$10,000 per year and taxes.	Whole building.	Registrars of Voters. Street-cleaning Division of Street Department. Sanitary Police Dept. Truant Officers' Dept. Commissioner of Public Institutions.
14 Beacon street . . . . .		Whole building.	Law Department. Sewer Department (Engineer's office). Bridge Division of Street Department.
994 Washington street . . . . .	\$1,100 per year . . . . .	5	Milk Inspector.
Exchange Building . . . . .	\$2,000 per year . . . . .	3	Park Commissioners.
Mattapan . . . . .	\$198 per year . . . . .	3	Lock-up, Police Dept.

## ARMORIES.

The following list will show the location and rents of all armories February 1, 1895, in charge of this department :

Occupied by	Rent per annum.	Location of Armories.
Headquarters, First Brigade . . . .	\$500	19 Milk street.
“ Second “ . . . .	900	37 Tremont street.
Company A, Fifth Regiment . . . .	1,200	Congress Hall, Charlestown.
“ H, “ “ . . . .	City building.	Winthrop street, Charlestown.
“ L, Sixth “ . . . .	\$1,085	7 Green street. Lease expires Feb. 1, 1898.
“ D, Ninth “ . . . .	City building.	Bunker Hill street.
“ A, First Batt. of Cavalry,	City building.	Bulfinch street.
“ D, “ “ “	\$1,200	Bacon's Hall.
“ A, “ Corps of Cadets,	} \$4,800	130 Columbus avenue
“ B, “ “ “		
“ C, “ “ “		
“ D, “ “ “		
“ A, “ Batt. Light Art.,	\$2,300 and taxes.	West Newton and Pembroke streets. Lease expires Jan. 1, 1897.

## COUNTY BUILDINGS.

Buildings.	Location.	No. of ft. in lot.	Remarks.
Court House . . . . .	Pemberton sq. . .	86,784	
Jail . . . . .	Charles st. . . . .	130,740	Three buildings.
Municipal Court, Southern District . . . . .	Roxbury st. . . .	14,390	Evening Drawing School in this building.
Municipal Court, E. Boston,	High School building.		
“ “ S. Boston,	Corner Dorchester and W. Fourth sts.		
“ “ Charlestown,	City sq.		
“ “ Brighton,	Washington st.		
“ “ W. Roxbury,	Station-house 13.		
“ “ Dorchester,	“ 11.		

## POLICE STATION-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Hanover st. . . . .	6,188	
2 . . .	Court sq. . . . .	2,029	
3 . . .	Joy st. . . . .	6,100	
4 . . .	LaGrange st. . . . .	5,150	
5 . . .	East Dedham st. . . . .	3,303	Addition built in 1884.
6 . . .	West Broadway . . . . .	4,253	Police-wagon stable in this house.
7 . . .	Meridian st. . . . .	3,773	
8 . . .	Commercial st. . . . .	5,323	Harbor Police-station.
9 . . .	Dudley st. . . . .	6,797	Police-wagon stable on this lot.
10 . . .	Pyncheon st. . . . .	6,380	
11 . . .	Adams st., Ward 24 . . . . .	7,500	Court-room and branch of Public Library in this building.
12 . . .	East Fourth st., near K st. . . . .	7,217	
13 . . .	Seaverns ave., corner Maple place, W. Roxbury . . . . .	9,701	Municipal Court, W. Roxbury District, and patrol-wagon house on this lot.
14 . . .	Washington st., Brighton . . . . .	53,908	Municipal Court, Brighton District, in this building.
15 . . .	City Hall, Charlestown.		
16 . . .	Boylston st. . . . .	10,486	
Lock-up . . .	Walnut st., Neponset . . . . .	1,476	
" . . .	Centre st., W. Roxbury . . . . .		In old engine-house.
" . . .	Mattapan . . . . .		Hired at rental of \$198 per year.
Police quarters.	Washington st., Bank Building, Dorchester . . . . .	11,640	Branch Public Library in this building.

## ENGINE-HOUSES.

No.	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester st. . . . .	5,698	Addition built 1874. Municipal Court, Ward-room 15, and two classes, branch of Bigelow School, in the building.
2 . . .	East Fourth st., cor. O . . .	4,000	
3 . . .	Harrison ave., cor. Bristol st.,	4,000	Ladder Truck 3 in this building.
4 . . .	Bulfinch st. . . . .	6,098	Lancers' Armory, Chemical Engine No. 1, and Water Tower in this building.
5 . . .	Marion st., E.B. . . . .	1,647	
6 . . .	Leverett st. . . . .	2,269	
7 . . .	East st. . . . .	1,893	
8 . . .	Salem st. . . . .	2,568	
9 . . .	Paris st., E.B. . . . .	4,000	Ladder Truck 2 in this building.
10 . . .	Mt. Vernon st. . . . .	1,886	
11 . . .	Saratoga st. . . . .	10,000	
12 . . .	Dudley st. . . . .	7,320	
13 . . .	Cabot st. . . . .	4,832	
14 . . .	Centre st. . . . .	5,713	
15 . . .	Dorchester ave. . . . .	2,843	
16 . . .	River st., Dor. Dis. . . . .	12,736	Ladder Truck 6 in this building.
17 . . .	Meeting-house Hill, Dor. D. . . . .		On lot with Mather School-house.
18 . . .	Harvard st., Dor. Dis. . . .	9,440	Old Engine-house on this lot.
19 . . .	Norfolk st., Dor. Dis. . . .	7,683	
20 . . .	Walnut st. . . . .	9,000	
21 . . .	Boston st., Dor. Dis. . . . .	9,355	
22 . . .	Dartmouth st. . . . .	4,463	
23 . . .	Northampton st. . . . .	3,445	
24 . . .	Cor. Warren and Quincy sts.,	4,186	
25 . . .	Fort Hill sq. . . . .	4,175	Ladder Trucks 8 and 14 in this building.
26 . . .	Mason st. . . . .	5,623	Engine Co. 35 in this building.
27 . . .	Elm st., Charlestown. . . .	2,600	
28 . . .	Centre st., West Roxbury .	10,377	Ladder Truck 10 in this building.
29 . . .	Chestnut Hill ave., Brighton,	14,358	Ladder Truck 11 in this building.
30 . . .	Mt. Vernon st., W. Roxbury,	16,275	
32 . . .	Bunker Hill st. . . . .	8,188	
33 . . .	Boylston st. . . . .	5,646	Ladder Truck 15 in this building.
34 . . .	Western ave., Brighton . .	4,637	
36 . . .	Monument st. . . . .	5,668	

ENGINE-HOUSES. — *Concluded.*

	Location.	No. of feet in lot.	Remarks.
No. 37 . . .	Cor. Longwood and Brook- line aves. . . . .	5,400	Chemical Engine No. 3 in this building.
38 . . .	Congress st. . . . .	4,000	Engine Co. 39 in this building.
40 . . .	Sumner st. . . . .	4,010	
41 . . .	Harvard ave., Brighton . . .	6,112	Chemical Engine No. 6 in this building.
42 . . .	Washington st., bet. Ather- ton and Beethoven sts. . .	3,848	Chemical Engine No. 5 in this building.
43 . . .	Andrew sq. . . . .	3,848	
45 . . .	Washington st., W.R. . . .	14,729	Ladder Truck No. 16 in this house.

## CHEMICAL ENGINE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 2 . . .	Church st. . . . .	3,412	
7 . . .	Chelsea st. . . . .	1,346	
8 . . .	B st., South Boston . . . .	1,804	
10 . . .	Eustis st. . . . .	1,754	

## COMBINATION WAGON-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 1 . . .	Dorchester ave. . . . .	4,875	
2 . . .	East Fourth st. . . . .	3,101	

## HOSE-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 3 . . .	Winthrop st. . . . .	3,000	Charlestown.
5 . . .	Shawmut ave. . . . .	889	
8 . . .	North Grove st. . . . .	3,918	

## LADDER-HOUSES.

	Location.	No. of feet in lot.	Remarks.
No. 4 . . .	Cor. Winslow and Dudley sts.	3,923	
5 . . .	West Fourth st. . . . .	2,469	
7 . . .	Meeting-house Hill . . . . .	.. . . .	On lot with Mather School-house.
9 . . .	Main st., Charlestown . . .	4,290	Chemical Co. No. 9 in this building.
13 . . .	Washington st., near Dover,	1,007	
17 . . .	Harrison ave. . . . .	2,134	

MISCELLANEOUS. — *Fire Department.*

	Location.	No. of feet in lot.	Remarks.
Repair-shop . . . . .	Albany st. . . . .	23,663	
Fire Department Head- quarters . . . . .	Bristol st. . . . .		
Fuel-house . . . . .	Salem st. . . . .	417	
Fuel-house . . . . .	Main st., Charlestown,	2,430	
Old engine-house . . .	Centre st. . . . .	1,628	Lock-up in this building.
Lot for ladder-house . .	Washington st., Dor.,	5,625	
Fuel-house . . . . .	Dorchester st. . . . .	1,610	
Lot . . . . .	Tremont st. . . . .	4,350	House destroyed by fire.
Lot for ladder-house . .	Friend st. . . . .	1,676	Building being erected.

City Scales, located as follows, viz. :

North Scales, Haymarket square.

South Scales, City stables, yard, Albany street.

South Boston Scales, Foundry street and Dorchester avenue.

Roxbury Scales, Eustis and Mall streets.

Brighton Scales, Rockland street, off Washington street.

East Boston Scales, Maverick square.

West Roxbury Scales, Centre and LaGrange streets.

Jamaica Plain Scales, Centre street and Starr lane.

City Pound, located as follows, viz. :

East Boston, Ashley avenue.



## SCHOOL-HOUSES.

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Abby W. May . . .	Pr.	Thornton st. . . .	11,052	1893	6	
Adams . . . . .	Gr.	Sumner st. . . . .	21,000	1856	13 and hall.	
Adams st. . . . .	Pr.	Dorchester . . . .	44,555	1861	2	
Agassiz . . . . .	Gr.	Brewer st., W.R.	42,244	1893	12 and hall.	Old Agassiz School on this lot.
Andrews . . . . .	Pr.	Genesee st. . . . .	12,578	1848	3	To be rebuilt.
Appleton . . . . .	"	Appleton st. . . .	18,454	1870	12	
Auburn . . . . .	"	School st., Br. . . .	12,340	. . .	4	
Austin . . . . .	"	Paris st. . . . .	5,360	1849	6	Unoccupied.
Bailey st. . . . .	"	Dorchester . . . .	21,838	1880	4	
Baker st. . . . .	"	West Roxbury . . .	10,464	. . .	1	
Baldwin . . . . .	"	Chardon Court . . .	6,139	1864	6	
Bartlett st. . . . .	"	Bartlett st. . . . .	7,627	1846	6	
Benj. F. Tweed . .	"	Cambridge st., Ch. . . . .	16,727	1892	6	
Benjamin Pope . .	"	O st. . . . .	20,000	1883	8	
Bennett . . . . .	Gr.	Chestnut Hill ave.	26,648	1874	7 and hall.	
Bennett Branch . .	"	Dighton pl. . . . .	9,605	1886	6	
Bigelow . . . . .	"	West Fourth st. . .	12,660	1850	14 and hall.	
Blackinton . . . .	Gr. & Pr.	Leyden st., E.B., . .	29,166	1892	6 and hall.	
Bowditch . . . . .	Gr.	Green st. . . . .	23,655	1891	12 and hall.	
Bowdoin . . . . .	"	Myrtle st. . . . .	10,762	1848	8	To be rebuilt.
Breed's Island . .	Pr.	Leyden st. . . . .	. . . . .	1883	2	Unoccupied, on lot with Blackinton School.
Brighton High . .	H.	Chestnut Hill av., Br. . . . .	54,448	. . .	5 and hall.	
Brimmer . . . . .	Gr.	Common st. . . . .	11,401	1843	14 and hall.	
Bunker Hill . . . .	"	Baldwin st., Ch. . .	19,960	. . .	{ 14 and hall	Ward-room 4 in this building.
Bunker Hill . . . .	Pr.	Bunker Hill st. . .			{ 8	
Canterbury st. . .	"	West Roxbury . . .	20,121	. . .	2	
Capen . . . . .	"	East Sixth st. . . .	12,354	1871	6	
Chapman . . . . .	Gr.	Eutaw st. . . . .	20,500	1850	13 and hall.	Ward-room 1 in this building.
Charlest'n High . .	H.	Monum't sq., Ch. . .	10,247	. . .	10 and hall.	
Charles C. Perkins .	Pr.	St. Botolph st. . .	16,000	1891	8 and hall.	
Charles Sumner . .	Gr.	Ashland st., W.R.	30,000	1877	10 and hall.	
Chestnut ave. . . .	Pr.	West Roxbury . . .	13,733	. . .	2	
Choate Burnham . .	"	East Third st. . . .	17,136	1894	8	
Clinch . . . . .	"	F st. . . . .	13,492	1871	6	
Comins . . . . .	Gr.	Tremont st. . . . .	22,169	1856	13 and hall.	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Common st. . . .	Pr.	Charlestown . .	7,001	. . .	6	
Cook . . . . .	"	Groton st. . . .	10,170	1852	6	
Cottage pl. . . .	Kgt	Highlands . . .	13,500	1859	4	
Cross st. . . . .	Pr.	Charlestown . .	1,708	. . .	2	
Cudworth . . . .	"	Paris & Gove sts.	20,000	1894	11	
Cushman . . . .	"	Parmenter st. . . . .	. . . .	1867	16	On lot with Hancock.
Cyrus Alger . . .	"	West Seventh st.	16,560	1880	8	
Dearborn . . . .	Gr.	Dearborn court	36,926	1852	14 and hall.	
Dillaway . . . .	"	Kenilworth st. .	21,220	1882	12 and hall.	
Dorchester ave. .	Pr.	Dorchester ave., Ward 24 . . . .	34,460	. . .	4	
Dorchester High,	H.	Dorchester ave., Ward 24 . . . .	59,340	1870	8	
Drake . . . . .	Pr.	C st. . . . .	10,260	1869	6	
Dudley . . . . .	Gr.	Dudley st. . . .	26,339	1874	14 and hall.	
Dwight . . . . .	"	W. Springf'd st.	19,125	1857	14 and hall.	
E. Boston High .	H.	Meridian st. . .	13,616	1846	6 and hall.	Library and court-room in this building.
Edward Everett .	Gr.	Sumner st., Ward 24 . . . . .	33,596	1876	10 and hall.	Old Everett School-house on this lot.
Eliot . . . . .	"	N. Bennet st . .	11,077	1838	14 and hall.	
Emerson . . . .	"	Prescott st. . .	39,952	1865	16 and hall.	
Emerson . . . .	Pr.	Poplar st. . . .	5,924	1861	6	
English High . .	H.	Montgomery st.	85,560	1877	39 & 2 halls.	South End Branch of Public Library in this building.
Everett . . . . .	Gr.	Camden st. . . .	32,409	1860	14 and hall.	
Everett . . . . .	Pr.	Brentwood st. .	44,237	. . .	2	
Florence st. . . .	"	Florence st., W.R. . . . .	25,030	. . .	6	Addition built 1890.
Franklin . . . .	Gr.	Ringgold st. . .	16,439	1859	14 and hall.	Ward-room 17 in this building.
Freeman . . . .	Pr.	Charter st. . . .	5,247	1868	6	
Fremont pl. . . .	"	Charlestown . .	7,410	. . .	1	Stable and storehouse on this lot.
Frothingham . .	Gr.	Prospect st., Charlestown . .	22,079	1874	16 and hall.	
Gaston . . . . .	"	East Fifth, cor. L st. . . . .	35,358	1872	14 and hall.	Damaged by fire April 28, 1887.
George Putnam .	"	Seaver st. . . .	33,750	1880	10 and hall.	
George st. . . . .	Pr.	Highlands . . .	18,894	1861	6	
Gibson, Atherton Building . . . .	Gr.	Columbia st., Ward 24 . . . .	25,087	1872	8	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Girls' High . . . .	H.	West Newton st. . . . .	30,454	1870	66 and hall.	The number of rooms include those for recitation and apparatus.
Girls' Latin . . . .	L.					
Glenway . . . . .	Pr.	Ward 24 . . . . .	25,827	1880	2	
Grant . . . . .	"	Phillips st. . . . .	3,744	1852	4	
Hancock . . . . .	Gr.	Parmenter st. . .	31,623	1847	14 and hall.	Cushman School-house on this lot.
Harbor View st..	Pr.	Dorchester . . . .	27,808	1883	4	
Harris . . . . .	Gr.	Adams st., Ward 24 . . . . .	37,150	1861	8 and hall.	
Harvard . . . . .	"	Bow st., Ch. . . .	16,306	. . . .	14 and hall.	Ward-room 5 in this building.
Harvard . . . . .	Pr.	N. Harvard st. . .	20,750	. . . .	4	
Harvard Hill . . .	"	Harvard st., Ch.,	4,645	. . . .	8	
Hawes Hall . . . .	"	West Broadway,	16,647	1823	8	Simonds' School-house on this lot.
Heath st. . . . .	"	Highlands . . . .	10,669	1857	2	
Henry L. Pierce .	Gr.	Washington st., Ward 24 . . . .	66,342	1891	12 and hall.	
Hillside . . . . .	Pr.	Elm st., Ward 23,	18,613	. . . .	6	
Hobart st. . . . .	"	Brighton . . . . .	10,000	1884	2	
Horace Mann . . .	D. M.	Newbury st. . . .	8,000	1889	18 & 2 halls.	
Howard ave. . . .	Pr.					
Howe . . . . .	"	Mt. Pleasant . . .	29,090	1882	6	
Howe . . . . .	"	West Fifth st. . .	12,494	1874	8	
Hugh O'Brien . .	Gr.	Dudley st. . . . .	36,954	1887	14 and hall.	
Hyde . . . . .	"	Hammond st. . . .	20,754	1884	14 and hall.	
Ingraham . . . .	Pr.	Sheafe st. . . . .	2,354	1848	3	
Ira Allen . . . . .	"	Leon st. . . . .	1,057	1851	4	
John A. Andrew,	Gr.	Dorchester st. . .	24,889	1876	16 and hall.	
Joshua Bates . . .	Pr.	Harrison ave. . . .	15,237	1884	8	
Lawrence . . . . .	Gr.	B and W. Third sts. . . . .	14,343	1856	14 and hall.	
Lewis . . . . .	"	Sherman st. . . . .	27,850	1868	12 and hall.	
Lincoln . . . . .	"	East Broadway . .	24,500	1859	14 and hall.	
Lowell . . . . .	"	Centre st. . . . .	35,241	1874	14 and hall.	
Lucretia Crocker,	Pr.	Parker st. . . . .	30,000	1884	8	
Lyceum Hall . . .	"	Meeting-House Hill . . . . .	21,319	"	6	Remodell'd for school purposes in 1891.
Lyman . . . . .	Gr.	Paris st. . . . .	26,200	1870	14 and hall.	Rebuilt, 1872.
Margaret Fuller .	Pr.	Glen road . . . . .	14,252	1892	6	
Martin . . . . .	Gr.	Huntington ave.,	30,000	1885	14 and hall.	

SCHOOL-HOUSES. — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Mather . . . . .	Gr.	Meeting-House Hill, Dor. . .	132,500	1872	10 and hall.	Ladder Truck No. 7, Eng.-house 17, and Old Mather School-house on this lot.
Mather . . . . .	Pr.	West Broadway, S.B. . . . .	10,160	1842	12	
Mead st. . . . .	"	Charlestown . .	5,857	1847	4	
Mechanic Arts .	H.	Belvidere st. . .	22,881	1893	16	The number of rooms includes one used as a blacksmith shop.
Medford st. . . .	Pr.	Charlestown . .	12,112	1886	4	
Minot . . . . .	Gr.	Neponset ave. .	31,500	1885	7 and hall.	
Mt. Pleasant ave.	Pr.	Highlands . . .	9,510	1847	2	
Mount Vernon .	"	Mt. Vernon st., Ward 23, W.R.,	22,744	. . .	4 and hall.	
Munroe st. . . .	"	Highlands . . .	13,021	1854	2	
Noble . . . . .	"	Princeton st. . .	17,500	1874	8	
Norcross . . . .	Gr.	D st. . . . .	12,075	1868	14 and hall.	
North Margin st.,	L. M.	{ N. Margin st.	1,661	1837	2	
Oak sq. (old) . .	Pr.	Brighton . . . .	9,796	. .	2	
Oak sq. (new) . .	"	Nonantum st. . .	20,000	1894	2	Unoccupied.
Old Agassiz . . .	"	Burroughs st. . .	. . . . .	. . .	6	On lot with Agassiz School.
Old Everett . . .	"	Summer st., Ward 24 . . . . .	. . . . .	1855	7	On lot with Edw. Everett.
Old Gibson . . .	"	School st., Ward 24 . . . . .	44,800	1857	6	
Old Mather . . .	"	Meeting-house Hill, Dor. . . . .	. . . . .	1856	6	On lot with Mather School-house.
Old Roxbury High . . . . .	Kgt	Kenilworth st. .	6,990	1861	8	
Parkman . . . .	Pr.	Silver st. . . . .	5,306	1848	6	
Phillips . . . . .	Gr.	Phillips st. . . .	11,190	1862	14 and hall.	
Phillips st. . . .	Pr.	Highlands . . . .	20,355	1867	8	Ward-room 22 in this building.
Pierpont . . . .	Kgt	Hudson st. . . . .	4,216	1850	4	
Plummer . . . .	Pr.	Lamson and Summer sts. . . . .	35,073	1891	10 and hall.	
Polk st. . . . .	"	Charlestown . .	12,143	1878	6	
Poplar st. . . . .	"	West Roxbury .	7,842	. . .	1	
Pormort . . . .	Pr.	Snelling pl. . . .	4,373	1855	6	
Prescott . . . .	Gr.	Elm st., Charlestown . . . . .	16,269	. . .	10 and hall.	
Prince . . . . .	"	Newbury st. . .	22,960	1875	12 and hall.	
Public Latin . .	L.	Warren ave. . . . .	. . . . .	1877	39 and hall.	On lot with English High School.

SCHOOL-HOUSES — *Continued.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Quincy . . . . .	Gr.	Tyler st. . . . .	12,413	1847	14 and hall.	
Quincy st. . . . .	Pr.	Dorchester . . . .	20,000	1882	2	
Quincy st. . . . .	"	Highlands . . . . .	23,453	1875	8	
Rice . . . . .	Gr.	Dartmouth st. . . .	27,125	1869	14 and hall.	Normal and Rice Training School in this building.
Robert G. Shaw,	Gr.	Hastings st., W.R	40,000	1892	8 and hall.	
Roxbury High . .	H.	Warren st. . . . .	25,617	1891	19 and hall.	
Roxbury st. . . .	Pr.	Highlands . . . . .	14,147	1874	8	
Rutland st. . . .	"	Rutland st. . . . .	7,850	1851	6	
Savin Hill . . . .	"	Savin Hill ave. . . .	20,060	1884	2	
Sharp . . . . .	"	Anderson st. . . . .	5,611	1824	6	Ward-room, Ward 9, in this building.
Sherwin . . . . .	Gr.	Madison sq. . . . .	32,040	1870	16 and hall.	
Shurtleff . . . . .	"	Dorchester st. . . .	40,553	1869	14 and hall.	
Simonds . . . . .	Pr.	W. Broadway . . . . .		1840	3	On Hawes School-house lot.
Skinner . . . . .	"	Fayette st. . . . .	5,238	1870	6	
Smith st. . . . .	Kgt	Roxbury . . . . .	6,952	1849	2	
Somerset st. . . .	Pr.	Ward 10 . . . . .	6,300	1824	4	
Stoughton . . . .	Gr.	River st., Wd. 24,	29,725	1856	8	
Tappan . . . . .	Pr.	Lexington st. . . . .	11,500	. . . .	8	
Thetford st. . . .	"	Dorchester . . . . .	29,879	1875	4	
Thomas N. Hart,	Gr.	East Fifth st. . . .	37,741	1889	13 and hall.	This includes 11,477 feet in lot, but not enclosed in school-yard.
Thornton st. . . .		Highlands . . . . .	6,640	1847	2	Unoccupied.
Ticknor . . . . .	Pr.	Washington Vil.,	11,486	1865	12	
Tileston . . . . .	Gr.	Norfolk st., Wd. 24 . . . . .	83,640	1868	8 and hall.	
Tuckerman . . . .	Pr.	East Fourth st..	11,655	1850	6	
Tyler st. . . . .	"	Tyler st. . . . .	3,900	1855	6	
Union st. . . . .	"	Brighton . . . . .	67,280	. . . .	2	
Vernon st. . . . .	"	Highlands . . . . .	17,256	1849	4	Rooms used for school purposes in old building on this lot.
Wait . . . . .	"	Shawmut ave.	16,341	1860	8	
Walnut st. . . . .	"	Neponset . . . . .	22,790	1856	7	
Ware . . . . .	Pr.	N. Bennet st. . . .	6,539	1852	4	Ward-room 6 in this building.
Warren . . . . .	Gr.	Summer st., Charlestown . . . .	14,322	. . . .	14 and hall.	
Washington All- ston . . . . .	"	Cambridge st. . . .	22,000	1878	10 and hall.	
Washington st. .	Pr.	Forest Hills . . . .	27,450	. . . .	2	

SCHOOL-HOUSES. — *Concluded.*

NAME.	Grade of School.	Location.	No. feet in lot.	When built.	No. of Rooms.	Remarks.
Washington st.,	{ Gr. & Pr.	Germantown, W.R. . . . .	13,130	. . .	2	
Way st. . . . .	Pr.	Ward 16 . . . .	2,508	1850	3	
Webb . . . . .	"	Porter st. . . .	7,492	1853	6	Unoccupied.
Webster . . . .	"	Webster ave., Br.	19,761	. . .	4	Addition built in 1885.
Wells . . . . .	Gr.	Blossom st. . .	10,770	1868	12 and hall.	Ward room, Ward 8, in this building.
West Concord st.,	Pr.	W. Concord st. .	10,756	1845	10	Ward-room, Ward 18, in this building.
West Roxbury High . . . . .	H.	Elm st., W.R. .	47,901	. . .	6	
Weston st. . . .	Pr.	Highlands . . .	14,973	1877	8	
Williams . . . .	"	Homestead st. .	26,145	1892	4	
William Wirt Warren . . . . .	"	Waverley st. . .	18,000	1892	6 and hall.	
Winchell . . . .	"	Blossom st. . .	14,465	1885	12	
Winship . . . .	"	Dighton pl. . .	34,366	. . .	4	
Winthrop . . . .	Gr.	Tremont st. . .	16,100	1855	14 and hall.	
Winthrop st. . .	Pr.	Highlands . . .	9,775	1857	4	
Wyman . . . . .	"	Wyman st. . . .	30,414	1892	6	
Yeoman st. . . .	"	Highlands . . .	18,200	1870	12	
School Committee building . . . .		Mason st. . . .	7,148	. . .	10 and committee chamber.	Offices of School Committee; Ward-room, Ward 10, in this building.

Gr., Grammar; Pr., Primary; H., High; Kgt., Kindergarten; L., Latin; D. M., Deaf Mutes; N. & T., Normal and Training; L. M., Licensed Minors.

The following lots of land have been bought for school purposes, amounting to 301,247 sq. feet of land :

- Canterbury street, 34,266 sq. feet of land.
- Mt. Bowdoin, 39,620 sq. feet of land.
- Morton street, 17,031 sq. feet of land.
- Brighton High School lot, 50,000 sq. feet of land.
- Adams and Chestnut streets, 20,399 sq. feet of land.
- Baker street, W.R., 21,000 sq. feet of land.
- Beech street, W.R., 37,500 sq. feet of land.
- Moulton street, Chas., 8,130 sq. feet of land.
- Eustis street, Rox., 16,165 sq. feet of land.
- Walpole street, 8,082 sq. feet of land.
- Richmond street, 30,001 sq. feet of land.
- Robinson street, 25,032 sq. feet of land.

In addition to the foregoing, the following rooms were occupied by schools, at a rental of \$15,693.49.

No. of Rooms.	Location.
One . . . . .	Day's chapel, Parker street.
One . . . . .	Carey Hall, West Roxbury.
Five . . . . .	Drawing School, East Boston.
Three . . . . .	River street, Lower Mills.
Two . . . . .	Bickford and Centre streets.
One . . . . .	705 Centre street.
* Two . . . . .	Fallon building, Centre street.
Three . . . . .	Barnard Memorial building, Warrenton street.
Two . . . . .	Maverick Chapel, E.B.
Four . . . . .	Dahlgren Memorial Hall Association, S.B.
One . . . . .	Byron court.
One . . . . .	Elliot street, Roxbury.
Two . . . . .	Wise building.
* Two . . . . .	828 and 834 East Fifth street.
Two . . . . .	Chambers street.
* One . . . . .	East Boston Savings Bank Building.
* Two . . . . .	Parmenter street.
One . . . . .	Church, Roslindale.
Four . . . . .	Wise Block.
Two . . . . .	85 Bunker Hill street.
One . . . . .	Greenwood Hall.
One . . . . .	Church, Washington Village.
Three . . . . .	34 Adams street.
One . . . . .	28 Magnolia street.
Two . . . . .	Athenæum building.
Two . . . . .	20 Parmenter street.
Two . . . . .	32 Parmenter street.
One . . . . .	Dearborn chapel.

\* These have been given up.

## WARD-ROOMS.

The following list will show the location of the various ward-rooms in this city:

	Buildings.	Location.
Ward 1 . . . . .	Chapman School-house . . . . .	Eutaw st.
2 . . . . .	Armory building . . . . .	Maverick st.
3 . . . . .	Old Winthrop School-house . . . . .	Bunker Hill st., Charlestown.
4 . . . . .	Bunker Hill Grammar School-house,	Baldwin st., Charlestown.
5 . . . . .	Harvard Grammar School-house . . . . .	Bow st., Charlestown.
6 . . . . .	Ware Primary School-house . . . . .	North Bennet st.
7 . . . . .	Wanderers' Home . . . . .	Hawkins st.
8 . . . . .	Wells School-house . . . . .	Blossom st.
9 . . . . .	Sharp Primary School-house . . . . .	Anderson st.
10 . . . . .	School Committee building . . . . .	Mason st.
11 . . . . .	Prince School-house . . . . .	Newbury st.
12 . . . . .	Public Market building . . . . .	Washington st.
13 . . . . .	Spelman Hall . . . . .	West Broadway.
14 . . . . .	Gray's Hall . . . . .	East Broadway.
15 . . . . .	Court-room, South Boston . . . . .	Dorchester and West Fourth sts.
16 . . . . .	Old Franklin School-house . . . . .	Washington st.
17 . . . . .	Franklin School-house . . . . .	Waltham st.
18 . . . . .	West Concord-st. School-house . . . . .	West Concord st.
19 . . . . .	Bath-house . . . . .	Cabot st.
20 . . . . .	Ward-room, old church building . . . . .	Vine, cor. Dudley st.
21 . . . . .	Opera-house . . . . .	Dudley st.
22 . . . . .	Phillips-st. School-house . . . . .	Roxbury.
23 . . . . .	Curtis Hall . . . . .	South st., W. Roxbury.
24 . . . . .	Fields Building . . . . .	Field's Corner.
25 . . . . .	Old Town Hall . . . . .	Washington st., Brighton.

This department has in charge the various voting precincts in the city, which number 205. Three times during the year said number of voting places were obtained and made ready for election purposes.





ANNUAL REPORT  
 OF THE  
 PUBLIC GROUNDS DEPARTMENT  
 FOR THE YEAR 1894-5.

JANUARY 31, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: In compliance with the Revised Ordinances I hereby submit my annual report of the expenditures of the Public Grounds Department for the year beginning February 1, 1894, and ending January 31, 1895.

Respectfully submitted,  
 WM. DOOGUE,  
*Superintendent.*

PAYMENTS FOR EXPENSES ON PUBLIC GROUNDS FOR THE  
 TWELVE MONTHS ENDING JANUARY 31, 1895.

Salary, superintendent . . .	\$3,000 00
Salary, assistant superintendent,	1,800 00
Teaming, reteaming, and laying plank-walks . . . . .	1,800 00
Removing snow from parks and squares . . . . .	1,260 00
Flower-pots, tubs, boxes, etc. .	1,031 15
<i>Amount carried forward,</i>	<u>\$8,891 15</u>

<i>Amount brought forward,</i>	\$8,891 15	
Hay, grain, etc. . . . .	1,019 04	
Shoeing horses, etc. . . . .	221 64	
Veterinary services and medicine . . . . .	91 38	
New Goddard buggy, cushion, etc. . . . .	282 00	
Repairs on harnesses and vehicles . . . . .	438 54	
Water-rates . . . . .	640 20	
Repairs on tools and lawnmowers . . . . .	615 62	
Pointing and cleaning monuments, fountains, and basins . . . . .	392 00	
Hardware and small supplies . . . . .	399 15	
Teaming and piling settees . . . . .	318 50	
Irons for repairs on settees . . . . .	34 82	
Hose and repairs . . . . .	309 50	
Stable-rent, water-rates, and gas, Storage rent . . . . .	262 25	
	83 32	
Travelling expenses and car-fares for employés . . . . .	450 00	
Freight, telegrams, and sundry small cash expenses . . . . .	288 62	
Damages . . . . .	64 50	
Rubber boots . . . . .	33 80	
Physicians' services . . . . .	25 00	
	<hr/>	\$14,861 03

*Street Trees.*

Laborers . . . . .	\$2,628 58	
Teaming . . . . .	288 25	
Trees . . . . .	104 00	
Paving brick, lathyam . . . . .	36 40	
	<hr/>	3,057 23

*Office.*

Clerk-hire . . . . .	\$1,500 00	
Telephone service . . . . .	168 88	
Stationery, printing, etc. . . . .	151 72	
Cleaning . . . . .	129 00	
Rugs . . . . .	26 25	
Teaming safes . . . . .	6 00	
Gas . . . . .	45	
	<hr/>	1,982 30
<i>Amount carried forward,</i>		\$19,900 56

*Amount brought forward,* \$19,900 56

*Greenhouses, Nursery, and Storehouse.*

Laborers . . . . .	\$6,682 10
Coal . . . . .	1,434 96
Lumber . . . . .	944 15
Plants, shrubs, etc. . . . .	501 34
Manure and fertilizers . . . . .	363 72
Hot-bed sash . . . . .	185 00
Teaming . . . . .	277 25
Loam . . . . .	119 00
Telephone service . . . . .	109 23
Ironwork repairs . . . . .	55 78
Sand . . . . .	38 00
Rent of towels, etc. . . . .	23 37
Charcoal for potting . . . . .	35 00
Ice . . . . .	22 40
Repairs on electric clock . . . . .	9 50
Pipe and fitting . . . . .	12 29
Gas . . . . .	9 45
Moss . . . . .	8 50
Freight . . . . .	10 04
Whale-oil soap . . . . .	50
	\$10,841 58

*Sullivan lot :*

Laborers . . . . .	\$613 53
Teams and fence poles, . . . . .	138 50
	752 03

*Converse lot :*

Laborers . . . . .	433 52
	12,027 13

*Common.*

Labor . . . . .	\$9,352 30
Teaming . . . . .	2,138 00
Sod and seed . . . . .	1,860 49
Loam . . . . .	582 80
Manure . . . . .	338 00
Lumber . . . . .	122 34
Carpentry . . . . .	138 38
Telephone service . . . . .	153 00
Painting office . . . . .	60 00
	\$14,745 31

*Amounts carried forward,* \$31,927 69

<i>Amounts brought forward,</i>	\$14,745 31	\$31,927 69
Cleaning office . . . . .	40 50	
Ice . . . . .	32 85	
Sand . . . . .	38 00	
Repairing rail on Soldiers' Monu- ment . . . . .	25 00	
Paving . . . . .	24 00	
Shades and mats for office . . . . .	12 00	
Plumbing repairs and mason- work . . . . .	18 40	
Towel rent . . . . .	5 00	
Repairing chairs . . . . .	3 00	
Repairing clock . . . . .	1 50	
Gas . . . . .	54	
Coal . . . . .	52 26	
	<hr/>	
	\$14,998 36	

*Cleaning Out Pond.*

Laborers . . . . .	\$110 00	
Teaming . . . . .	165 00	
	<hr/>	
	275 00	

*Installing Electric Lights.*

Laying cable . . . . .	\$2,744 40	
National electric light poles . . . . .	1,980 00	
	<hr/>	
	4,724 40	
	<hr/>	
		19,997 76

*Public Garden.*

Laborers . . . . .	\$9,115 31	
Red gravel . . . . .	1,557 30	
Teaming . . . . .	1,332 25	
Loam . . . . .	1,022 78	
Plants . . . . .	701 45	
Bulbs, shrubs, and seeds . . . . .	436 95	
Roses . . . . .	539 44	
Sod and grass-seed . . . . .	772 98	
Manure and fertilizers . . . . .	536 73	
Vases . . . . .	163 67	
Mason-work . . . . .	64 00	
Carpentry . . . . .	67 34	
	<hr/>	
<i>Amounts carried forward,</i>	\$16,310 20	\$51,925 45

<i>Amounts brought forward,</i>	\$16,310 20	\$51,925 45
Fence wire and poles . . . . .	62 07	
Lumber . . . . .	61 07	
Photograph views . . . . .	48 00	
Sand . . . . .	50 13	
Repairing iron fence . . . . .	22 85	
Freight . . . . .	6 31	
Cotton covering . . . . .	26 96	
	<hr/>	16,587 59

*Commonwealth Avenue.*

Laborers . . . . .	\$1,531 41	
Sod and grass-seed . . . . .	625 56	
Teaming . . . . .	384 50	
Loam . . . . .	218 00	
Lumber . . . . .	9 11	
	<hr/>	2,768 58

*Massachusetts Avenue.*

Laborers . . . . .	\$884 03	
Bulbs . . . . .	195 00	
Manure . . . . .	167 56	
Plants . . . . .	128 69	
Teaming . . . . .	63 00	
Loam . . . . .	45 00	
Fence poles . . . . .	39 25	
Grass-seed . . . . .	20 00	
	<hr/>	1,542 53

*Huntington Avenue.*

Laborers . . . . .	\$15 66	
Sod . . . . .	51 00	
	<hr/>	66 66

*Blackstone Square.*

Laborers . . . . .	\$462 85	
Teaming . . . . .	47 00	
Fence poles . . . . .	33 25	
Loam . . . . .	35 00	
Grass-seed . . . . .	23 00	
Mason . . . . .	12 00	
	<hr/>	613 10

*Amount carried forward,* \$73,503 91

*Amount brought forward,* \$73,503 91

*Franklin Square.*

Laborers . . . . .	\$462 95	
Teaming . . . . .	42 00	
Fence poles . . . . .	34 25	
Loam . . . . .	31 00	
Grass-seed . . . . .	27 00	
Mason . . . . .	12 00	
	609 20	609 20

*Worcester Square.*

Laborers . . . . .	\$264 28	
Bulbs . . . . .	53 01	
Teaming . . . . .	27 00	
Plants . . . . .	21 00	
Loam . . . . .	15 00	
Manure . . . . .	15 00	
	395 29	395 29

*Concord Square.*

Laborers . . . . .	\$126 64	
Bulbs . . . . .	55 00	
Manure . . . . .	24 00	
Loam . . . . .	12 00	
Plants . . . . .	10 50	
Teaming . . . . .	9 00	
	237 14	237 14

*Rutland Square.*

Laborers . . . . .	\$137 00	
Manure . . . . .	24 00	
Bulbs . . . . .	55 00	
Loam . . . . .	12 00	
Plants . . . . .	10 50	
Teaming . . . . .	9 00	
	247 50	247 50

*Berwick Park.*

Laborers . . . . .		108 00
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*Greenwich Park.*

Laborers . . . . .		111 18
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*Amount carried forward,* \$75,212 22

*Amount brought forward,* \$75,212 22

*Copley Square.*

Laborers . . . . .	\$223 00	
Bulbs . . . . .	41 50	
Teaming . . . . .	18 00	
Loam . . . . .	12 00	
	294 53	

*Union Park.*

Laborers . . . . .	\$259 00	
Plants . . . . .	30 25	
Mason-work . . . . .	24 00	
Loam . . . . .	15 00	
Teaming . . . . .	15 00	
Repairs on gate . . . . .	2 30	
	345 55	

*Fort Hill Square.*

Laborers . . . . .		107 00
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*City Hall Grounds.*

Laborers . . . . .	\$139 00	
Sod . . . . .	45 00	
Teaming . . . . .	15 00	
Plants . . . . .	10 50	
	209 50	

*Park Square.*

Laborers . . . . .	\$132 00	
Mason-work . . . . .	16 00	
Plants . . . . .	10 50	
	158 50	

*Lowell Square.*

Laborers . . . . .	\$110 00	
Teaming . . . . .	12 00	
	122 00	

*Square, Waltham Street.*

Laborers . . . . .		47 00
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*Amount carried forward,* \$76,496 27

*Amount brought forward,* \$76,496 27

SOUTH BOSTON DISTRICT.

*Independence Square.*

Laborers . . . . .	\$478	52	
Teaming . . . . .	68	00	
Sod . . . . .	59	32	
Loam . . . . .	42	00	
Mason-work . . . . .	28	00	
Grass-seed . . . . .	10	00	
			685 84

*Telegraph Hill.*

Laborers . . . . .	\$429	31	
Sod . . . . .	80	30	
Teaming . . . . .	25	00	
Mason-work . . . . .	16	00	
Grass-seed . . . . .	13	00	
Fence poles . . . . .	3	25	
			566 86

*Lincoln Square.*

Laborers . . . . .	\$296	21	
Teaming . . . . .	45	00	
Plants . . . . .	36	25	
Loam . . . . .	35	00	
Flower-seed . . . . .	18	86	
			431 32

*Commonwealth Park.*

Laborers . . . . .	\$250	91	
Teaming . . . . .	64	00	
			314 91

EAST BOSTON DISTRICT.

*Central Square.*

Laborers . . . . .	\$419	10	
Bulbs . . . . .	70	00	
Plants . . . . .	38	85	
Manure . . . . .	48	00	
Teaming . . . . .	37	50	
			613 45
<i>Amounts carried forward,</i>			\$78,495 20



<i>Amounts brought forward,</i>	\$613 45	\$78,495 20
Loam . . . . .	35 00	
Lumber and sand . . . . .	8 84	
Fence poles . . . . .	4 88	
	<hr/>	662 17

*Maverick Square.*

Laborers . . . . .	\$303 76	
Loam . . . . .	35 00	
Bulbs . . . . .	35 00	
Plants . . . . .	28 40	
Manure . . . . .	27 00	
Teaming . . . . .	27 00	
	<hr/>	456 16

*Belmont Square.*

Laborers . . . . .	\$371 69	
Loam . . . . .	35 00	
Manure . . . . .	34 87	
Teaming . . . . .	36 00	
Bulbs . . . . .	35 00	
Plants . . . . .	25 00	
	<hr/>	537 56

*Putnam Square.*

Laborers . . . . .	\$218 01	
Teaming . . . . .	15 00	
	<hr/>	233 01

*Prescott Square.*

Laborers . . . . .	\$198 35	
Teaming . . . . .	24 00	
	<hr/>	222 35

## CHARLESTOWN DISTRICT.

*City Square.*

Laborers . . . . .	\$337 63	
Plants . . . . .	47 50	
Teaming . . . . .	39 50	
Manure . . . . .	18 00	
Loam . . . . .	6 00	
	<hr/>	448 63

*Amount carried forward,* \$81,055 08

*Amount brought forward,*

\$81,055 08

*Winthrop Square.*

Laborers . . . . .	\$374 44	
Teaming . . . . .	39 00	
Mason-work . . . . .	36 00	
Plants . . . . .	30 00	
Manure . . . . .	21 94	
Grass-seed . . . . .	10 65	
Loam . . . . .	6 00	
	<hr/>	518 03

*Sullivan Square.*

Laborers . . . . .	\$390 16	
Mason-work . . . . .	48 00	
Teaming . . . . .	45 50	
Manure . . . . .	21 00	
Loam . . . . .	9 00	
	<hr/>	513 66

*Essex Square.*

Laborers . . . . .	\$125 60	
Teaming . . . . .	18 00	
	<hr/>	143 60

## DORCHESTER DISTRICT.

*Meeting-House Hill.*

Laborers . . . . .	\$267 75	
Mason-work . . . . .	20 00	
Grass-seed . . . . .	9 30	
Teaming . . . . .	2 25	
	<hr/>	299 30

*Mount Bowdoin.*

Laborers . . . . .	\$291 63	
Plants . . . . .	29 58	
Teaming . . . . .	21 00	
Bulbs . . . . .	20 00	
	<hr/>	362 21

*Amount carried forward,*

\$82,891 88

*Amount brought forward,* \$82,891 88

*Eaton Square.*

Laborers . . . . .	\$231 70	
Mason-work . . . . .	32 00	
Bulbs . . . . .	20 00	
Plants . . . . .	5 70	
Teaming . . . . .	18 00	
	307 40	

*Dorchester Town Field.*

Laborers . . . . .	\$303 27	
Teaming . . . . .	21 75	
	325 02	

*Magnolia Street.*

Laborers . . . . .		103 24
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*Adams Street.*

Laborers . . . . .		102 00
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ROXBURY DISTRICT.

*Washington Park.*

Laborers . . . . .	\$948 15	
Teaming . . . . .	128 00	
Loam . . . . .	126 00	
Sod . . . . .	70 32	
Grass-seed . . . . .	15 00	
Lumber . . . . .	10 91	
	1,298 38	

*Madison Park.*

Laborers . . . . .	\$720 62	
Teaming . . . . .	75 50	
Loam . . . . .	75 00	
Plants . . . . .	47 90	
Sod . . . . .	35 16	
Fence poles . . . . .	30 50	
Grass-seed . . . . .	10 00	
Lumber . . . . .	4 40	
	999 08	

*Amount carried forward,* \$86,027 00

*Amount brought forward,* \$86,027 00

*Orchard Park.*

Laborers . . . . .	\$546 27	
Teaming . . . . .	81 00	
Loam . . . . .	75 00	
Sod . . . . .	35 16	
Grass-seed . . . . .	7 45	
Carpentry . . . . .	3 33	
	748 21	748 21

*Bromley Park.*

Laborers . . . . .	\$171 77	
Teaming . . . . .	39 00	
Grass-seed . . . . .	7 50	
Fence poles . . . . .	1 62	
	219 89	219 89

*Fountain Square.*

Laborers . . . . .	\$156 15	
Teaming . . . . .	31 50	
	187 65	187 65

*Cedar Square.*

Laborers . . . . .	\$87 00	
Teaming . . . . .	13 50	
	100 50	100 50

*Longwood Park.*

Laborers . . . . .		82 00
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*Lewis Square.*

Laborers . . . . .		57 00
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*Walnut Square.*

Laborers . . . . .		60 00
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*Public Grounds, Centre Street.*

Laborers . . . . .		64 00
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*Amount carried forward,* \$87,546 25

*Amount brought forward,* \$87,546 25

*Public Grounds, Warren Street.*

Laborers . . . . .	\$60 00	
Bulbs . . . . .	15 00	
	_____	75 00

*Highland Park.*

Laborers . . . . .	\$217 45	
Teaming . . . . .	58 00	
	_____	275 45

*Roxbury Standpipe.*

Laborers . . . . .	\$163 72	
Teaming . . . . .	19 50	
	_____	183 22

*Linwood Park.*

Laborers . . . . .	\$129 00	
Grass-seed . . . . .	4 00	
	_____	133 00

WEST ROXBURY DISTRICT.

*Shore of Jamaica Plain Pond.*

Laborers . . . . .	\$20 00	
Teaming . . . . .	45 00	
	_____	65 00

*Soldiers' Monument Lot.*

Laborers . . . . .		63 00
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BRIGHTON DISTRICT.

*Rogers Park.*

Laborers . . . . .	\$474 18	
Teaming . . . . .	48 50	
Plants . . . . .	21 65	
	_____	544 33

*Amount carried forward,* \$88,885 25

*Amount brought forward,* \$88,885 25

*Jackson Square.*

Laborers . . . . .	\$195 06	
Bulbs . . . . .	20 00	
Teaming . . . . .	18 00	
Mason-work . . . . .	8 00	
		241 06

*Brighton Square.*

Laborers . . . . .		187 11
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*Fern Park.*

Laborers . . . . .		163 04
Rent of playground . . . . .		200 00
		200 00
Total . . . . .		\$89,676 46

SPECIAL APPROPRIATIONS.

*City Nursery and Greenhouses.*

Removing old greenhouses, office, material, etc., from City Hospital land to new lot between Massachusetts avenue and East Cottage street, Dorchester.

Laborers . . . . .	\$11,666 26	
Teaming . . . . .	4,754 50	
Boilers, pipe, fittings, labor, etc. . . . .	3,307 11	
Carpentry work . . . . .	2,628 69	
Lumber, lime, cement, etc. . . . .	2,584 86	
Loam . . . . .	2,288 50	
Painting and glazing . . . . .	1,385 62	
Mouldings, small supplies, glass, paint, etc. . . . .	1,219 74	
Blue gravel and filling in mate- rial . . . . .	1,190 50	
Hot-bed sash . . . . .	740 00	
Mason-work . . . . .	573 59	
Land purchased from Jane Sunter . . . . .	449 60	
House and stable . . . . .	200 00	
Munure . . . . .	275 72	
Plumbing and repairs . . . . .	197 39	

*Amount carried forward,* \$33,462 08

<i>Amount brought forward,</i>	\$33,462 08	
Hardware . . . . .	152 84	
Tools . . . . .	146 10	
Trough, etc. . . . .	62 75	
Car tickets . . . . .	50 00	
Conductor pipe, etc. . . . .	42 83	
Service pipe . . . . .	40 50	
Electric bells, etc. . . . .	18 00	
Netting . . . . .	10 00	
	<hr/>	\$33,985 10

*Concreting Walks, Common.*

Concreting . . . . .	\$3,859 31	
Labor . . . . .	85 69	
Teaming . . . . .	55 00	
	<hr/>	\$4,000 00

*Playground, Ward 22.*

Rent . . . . .	<u>\$1,000 00</u>
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As a convenient reference, I append the following list of the seventy parks and squares which are in charge of the Department of Public Grounds, showing their respective localities and superficial areas :

## CITY PROPER.

*Common.* — Park, Tremont, Boylston, Charles, and Beacon streets; contains  $48\frac{2}{5}$  acres;<sup>1</sup> enclosed by an iron fence.

*Public Garden.* — Charles, Boylston, Arlington, and Beacon streets; contains  $24\frac{1}{4}$  acres; enclosed by an iron fence.

*Fort Hill Square.* — Oliver and High streets; contains 29,480 sq. ft.

*Franklin Square.* — Washington, East Brookline, East Newton, and James streets; contains 105,205 sq. ft.

*Blackstone Square.* — Washington, West Brookline, West Newton streets, and Shawmut avenue; contains 105,100 sq. ft.

*Massachusetts Avenue.* — Between Albany street and Harrison avenue; contains 9,300 sq. ft.

<sup>1</sup> Exclusive of cemetery, containing one and two-fifths acres.

*Massachusetts Avenue.* — Between Harrison avenue and Washington street; contains 13,050 sq. ft.

*Massachusetts Avenue.* — Between Washington and Tremont streets; contains 74,000 sq. ft.; malls enclosed by an iron fence.

*Massachusetts Avenue.* — Between Tremont street and Columbus avenue; contains 10,150 sq. ft.

*Concord Square.* — Between Tremont street and Columbus avenue; contains 5,000 sq. ft.

*Rutland Square.* — Between Tremont street and Columbus avenue; contains 7,400 sq. ft.

*Berwick Park.* — Off Columbus avenue; contains 3,800 sq. ft.; enclosed by granite curb.

*Greenwich Park.* — Off Columbus avenue; contains 4,100 sq. ft.; enclosed by granite curb.

*Union Park.* — Between Tremont street and Shawmut avenue; contains 16,000 sq. ft.; malls enclosed by iron fence.

*Worcester Square.* — Between Washington street and Harrison avenue; contains 16,000 sq. ft.

*Lowell Square.* — Cambridge and Lynde streets; contains 5,772 sq. ft.; enclosed by iron fence.

*Park Square.* — Columbus avenue, Eliot and Pleasant streets; contains 2,867 sq. ft.

*Montgomery Square.* — Tremont, Clarendon, and Montgomery streets; contains 550 sq. ft.

*Pemberton Square.* — Between Tremont row and Somerset street; contains 3,390 sq. ft.

*Copley Square.* — Between Huntington avenue, Boylston and Dartmouth streets; contains 28,399 sq. ft.; enclosed by a granite curb.

Between Huntington avenue, Trinity place, and St. James avenue; contains 5,410 sq. ft.; enclosed by a granite curb.

*City Hall Grounds.* — School street; contains 7,700 sq. ft.

*Square.* — Harrison avenue, between Union Park and Wal-  
tham streets.

#### SOUTH BOSTON.

*Telegraph Hill.* — Thomas park; contains 190,000 sq. ft.

*Independence Square.* — Broadway, Second, M, and N; contains 6½ acres; enclosed by an iron fence.

*Lincoln Square.* — Emerson, Fourth, and M; contains 9,510 sq. ft.; enclosed by an iron fence.

*Commonwealth Park.*



## EAST BOSTON.

- Maverick Square.* — Sumner and Maverick streets ; contains 4,398 sq. ft. ; enclosed by stone curb.
- Central Square.* — Meridian and Border streets ; contains 32,310 sq. ft. ; enclosed by stone curb.
- Belmont Square.* — Webster, Sumner, Lamson, and Seaver streets ; contains 30,000 sq. ft. ; enclosed by an iron fence.
- Putnam Square.* — Putnam, White, and Trenton streets ; contains 11,628 sq. ft. ; enclosed by an iron fence.
- Prescott Square.* — Trenton, Eagle, and Prescott streets ; contains 12,284 sq. ft.

## ROXBURY DISTRICT.

- Madison Square.* — Sterling, Marble, Warwick, and Westminster streets ; contains 122,191 sq. ft.
- Orchard Park.* — Chadwick, Orchard park, and Yeoman streets ; contains 99,592 sq. ft.
- Washington Park.* — Dale and Bainbridge streets ; contains 396,125 sq. ft.
- Longwood Park.* — Park and Austin streets ; contains 21,000 sq. ft.
- Walnut Park.* — Between Washington street and Walnut avenue ; contains 5,736 sq. ft.
- Lewis Park.* — Highland street and Highland avenue ; contains 5,600 sq. ft.
- Bromley Park.* — From Albert to Bickford street ; contains 20,975 sq. ft. ; three enclosures.
- Fountain Square.* — Walnut avenue, from Munroe to Townsend streets ; contains 116,000 sq. ft.
- Cedar Square.* — Cedar street, between Juniper and Thornton streets ; contains 26,163 sq. ft.
- Linwood Park.* — Centre and Linwood streets ; contains 3,625 sq. ft. ; enclosed by stone curb.
- Public Ground.* — Centre and Perkins streets ; contains 3,200 sq. ft.
- Highland Park.* — Fort Hill avenue ; contains 114,065 sq. ft.
- Public Ground.* — Warren, James, and Regent streets ; contains 1,380 sq. ft. ; enclosed by granite curb.
- Public Ground.* — Junction of Huntington avenue, Tremont and Francis streets ; contains 1,662 sq. ft.
- Playground.* — Fellows street, between Hunneman street and Fellows place ; contains 25,000 sq. ft.
- Square.* — Albany street, near mall.

## DORCHESTER DISTRICT.

- Dorchester Square.* — Meeting-House Hill ; contains 56,200 sq. ft. ; Soldiers' Monument on this square.
- Eaton Square.* — Adams and Bowdoin streets ; contains 13,280 sq. ft.
- Mt. Bowdoin Green.* — Top of Mt. Bowdoin ; contains 25,170 sq. ft.
- Richardson Square.* — Between Pond and Cottage streets ; contains 75,982 sq. ft.
- Public Ground.* — Magnolia street ; contains 3,605 sq. ft.
- Public Ground.* — Dorchester Field ;<sup>1</sup> contains 274,000 sq. ft.
- Public Ground.* — Adams street, near Pierce avenue.
- Public Ground.* — Adams street, near Cedar Grove Cemetery.

## CHARLESTOWN DISTRICT.

- City Square.* — Head of Bow and Main streets ; contains 8,739 sq. ft. ; enclosed by stone curb.
- Public Ground.* — Water street, Charles-river avenue and Warren avenue ; contains 3,055 sq. ft. ; enclosed by a stone curb.
- Sullivan Square.* — Main, Cambridge, Sever, and Gardner streets ; contains 56,428 sq. ft.
- Winthrop Square.* — Winthrop, Common, and Adams streets ; contains 38,450 sq. ft. ; enclosed by an iron fence ; Soldiers' Monument on this square.
- Public Ground.* — Essex and Lyndeboro' streets ; contains 930 sq. ft.

## WEST ROXBURY DISTRICT.

- Soldiers' Monument Lots.* — South and Central streets ; contains 5,870 sq. ft.
- Public Ground.* — Top of Mt. Bellevue ; contains 27,772 sq. ft.

## BRIGHTON DISTRICT.

- Public Ground.* — Pleasant and Franklin streets ; contains 1,900 sq. ft.
- Jackson Square.* — Chestnut Hill avenue, Union and Winship streets ; contains 4,300 sq. ft. ; enclosed by stone curb.

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<sup>1</sup> Property Gibson School Fund.

*Brighton Square.* — Between Chestnut Hill avenue and Rockland street, and opposite branch of Public Library; contains 25,035 sq. ft.

*Franklin Square.* — Between Franklin and Fern streets; contains 1,900 sq. ft.

*Rogers Park.* — Foster street; contains 7 acres.

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*Greenhouse and Nursery Grounds.* — Between Massachusetts avenue and East Cottage street, Dorchester; contains 91,933 sq. ft.

*Storehouse Grounds.* — Massachusetts avenue, adjoining location of N.Y. & N.E. R.R.; contains 96,375 sq. ft.





ANNUAL REPORT  
 OF THE  
 PUBLIC INSTITUTIONS DEPARTMENT,  
 FOR THE YEAR 1894.

OFFICE OF THE COMMISSIONERS OF PUBLIC INSTITUTIONS,  
 No. 14 BEACON STREET,

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston :*

SIR: In accordance with Chap. 3, Sect. 22, of the Revised Ordinances, the Commissioners of Public Institutions present their annual report for the financial year ending January 31, 1895, it being the thirty-seventh of the department and the sixth of the Commission.

EXPENDITURES FOR DEER ISLAND INSTITUTIONS.

Subsistence . . . . .	\$55,558 48
Clothing and bedding . . . . .	16,165 71
Fuel and light . . . . .	11,130 97
Salaries . . . . .	38,542 83
Furniture and utensils . . . . .	1,588 16
Medical supplies . . . . .	1,657 49
Books, printing, and stationery . . . . .	133 72
Agricultural supplies . . . . .	2,725 26
Repairs . . . . .	6,305 09

Printing department supplies . . . . .	\$578 28
Material and tools . . . . .	339 13
Stone department . . . . .	19,544 22
Religious services . . . . .	1,513 44
Water . . . . .	5,000 00
Soap . . . . .	638 06
Telephone rental . . . . .	251 85
Postage and rent of box . . . . .	284 24
Entertainment and holidays . . . . .	93 80
All other items . . . . .	281 57
Total . . . . .	<u>\$162,332 30</u>

## FOR BOSTON LUNATIC HOSPITAL.

Subsistence . . . . .	\$34,986 64
Clothing and bedding . . . . .	3,459 71
Fuel and light . . . . .	8,465 37
Salaries . . . . .	32,185 33
Furniture and utensils . . . . .	1,645 95
Medical supplies . . . . .	1,282 09
Books, printing, and stationery . . . . .	262 34
Agricultural supplies . . . . .	3,626 59
Repairs . . . . .	1,947 68
Water . . . . .	2,643 60
Soap . . . . .	978 23
Telephone . . . . .	277 14
Postage and rent of box . . . . .	118 80
Transportation and carriage-hire . . . . .	89 53
Burial . . . . .	77 00
All other items . . . . .	113 50
Total . . . . .	<u>\$92,159 50</u>

## FOR MARCELLA-STREET HOME.

Subsistence . . . . .	\$15,765 99
Clothing and bedding . . . . .	6,370 73
Fuel and light . . . . .	3,697 50
Salaries . . . . .	12,831 37
Furniture and utensils . . . . .	529 17
Medical supplies . . . . .	640 43
Books, printing, and stationery . . . . .	156 36
Agricultural supplies . . . . .	1,289 55
Repairs . . . . .	403 09

Water . . . . .	\$1,647 00
Soap . . . . .	292 53
School supplies . . . . .	131 41
Telephone . . . . .	235 15
Entertainment and holidays . . . . .	315 11
Board of blind . . . . .	161 37
Postage . . . . .	72 40
Burial . . . . .	71 00
All other items . . . . .	165 87
Total . . . . .	<u>\$44,776 03</u>

## FOR HOME FOR PAUPERS, LONG ISLAND.

Subsistence . . . . .	\$25,098 52
Clothing and bedding . . . . .	4,169 04
Fuel and light . . . . .	4,966 46
Salaries . . . . .	12,204 76
Furniture and utensils . . . . .	1,683 95
Medical supplies . . . . .	2,136 47
Books, printing, and stationery . . . . .	275 65
Agricultural supplies . . . . .	2,559 74
Repairs . . . . .	2,696 36
Religious services . . . . .	199 30
Postage . . . . .	150 00
Water . . . . .	288 00
Soap . . . . .	486 99
Telephone . . . . .	203 51
All other items . . . . .	56 91
Total . . . . .	<u><sup>1</sup>\$57,175 66</u>

## FOR HOME FOR PAUPERS, RAINSFORD ISLAND.

Subsistence . . . . .	\$11,154 28
Clothing and bedding . . . . .	1,877 63
Fuel and light . . . . .	2,134 07
Salaries . . . . .	5,638 16
Furniture and utensils . . . . .	952 94
Medical supplies . . . . .	824 36
Books, printing, and stationery . . . . .	94 22
Agricultural supplies . . . . .	1,034 22
Repairs . . . . .	1,276 05

<sup>1</sup> Of the above amount there was expended for new fire apparatus the sum of \$1,638.90.

Religious services . . . . .	\$162 90
Postage . . . . .	37 00
Water . . . . .	275 00
Soap . . . . .	247 17
Telephone . . . . .	159 93
All other items . . . . .	16 88
Total . . . . .	<u><u>1 \$25,884 81</u></u>

## FOR ALMSHOUSE, CHARLESTOWN.

Subsistence . . . . .	\$5,544 27
Clothing and bedding . . . . .	1,138 89
Fuel and light . . . . .	1,427 65
Salaries . . . . .	2,937 33
Furniture and utensils . . . . .	275 53
Medical supplies . . . . .	311 94
Books, printing, and stationery . . . . .	43 91
Agricultural supplies . . . . .	384 76
Repairs . . . . .	209 62
Expressage . . . . .	143 18
Water . . . . .	331 03
Soap . . . . .	230 58
Telephone . . . . .	180 00
Postage . . . . .	15 00
Burial . . . . .	70 00
All other items . . . . .	10 50
Total . . . . .	<u><u>\$13,254 19</u></u>

## FOR PAUPER EXPENSES.

Support outside city institutions . . . . .	\$165,025 47
Transportation and travel . . . . .	4,032 45
Pay-rolls . . . . .	8,306 59
Keeping horses . . . . .	719 79
Repairs to carriages and harness . . . . .	167 24
Medical attendance . . . . .	2,966 25
Books, printing, and stationery . . . . .	478 03
Postage . . . . .	178 34
Copying paupers' histories . . . . .	158 49
Telephone . . . . .	75 70
Burial . . . . .	49 65

<sup>1</sup> Of the above amount there was expended for new fire apparatus the sum of \$715.55.



Board of Visitors . . . . .	\$184 52
All other items . . . . .	80 19
Total . . . . .	<u>\$182,422 71</u>

## FOR STEAMER "J. PUTNAM BRADLEE."

Manning . . . . .	\$8,460 00
Fuel . . . . .	2,023 08
Repairs . . . . .	9,262 09
Rent of dock . . . . .	2,000 00
Water . . . . .	414 00
Chandlery . . . . .	207 79
All other items . . . . .	180 55
Total . . . . .	<u><sup>1</sup>\$22,547 51</u>

## FOR OFFICE EXPENSES.

Salaries . . . . .	\$19,581 94
All other items . . . . .	669 73
Total . . . . .	<u>\$20,251 67</u>

## FOR HOUSE OF CORRECTION, COUNTY OF SUFFOLK.

Subsistence . . . . .	\$41,984 14
Clothing and bedding . . . . .	6,021 94
Fuel and light . . . . .	6,652 48
Salaries . . . . .	26,289 81
Furniture and utensils . . . . .	861 11
Medical supplies . . . . .	734 60
Books, printing, and stationery . . . . .	315 70
Agricultural supplies . . . . .	859 13
Repairs . . . . .	2,323 58
Materials and tools . . . . .	2,520 07
Religious services . . . . .	1,147 03
Water . . . . .	3,025 00
Soap . . . . .	966 89
Gratuities . . . . .	457 55
Telephone . . . . .	162 99
Postage and rent of box . . . . .	175 40
Entertainment and holidays . . . . .	239 94

<sup>1</sup> Includes the sum of \$6,442.18, incurred by wreck of steamer.

Dinner for the City Government . . . . .	\$93 75
All other items . . . . .	242 91
	<hr/>
Total . . . . .	<u>\$95,074 02</u>

#### RECAPITULATION OF EXPENDITURES.

Deer Island institutions . . . . .	\$162,332 30
Lunatic Hospital . . . . .	92,159 50
Marcella-street Home . . . . .	44,776 03
Home for Paupers, Long Island . . . . .	57,175 66
“ “ “ Rainsford Island . . . . .	25,884 81
Almshouse, Charlestown . . . . .	13,254 19
Pauper expenses . . . . .	182,422 71
Steamer “J. Putnam Bradlee” . . . . .	22,547 51
Office expenses . . . . .	20,251 67
	<hr/>
Public institutions . . . . .	\$620,804 38
House of Correction, County of Suffolk . . . . .	95,074 02
	<hr/>
Total . . . . .	<u>\$715,878 40</u>

The sum of \$354.94 has been received for interest on the “Mason Fund.”

The income of the institutions for the year ending January 31, 1895 :

House of Industry . . . . .	\$49,500 01
Lunatic Hospital . . . . .	14,285 13
Marcella-street Home . . . . .	878 25
Home for Paupers, Long Island . . . . .	3,790 75
“ “ “ Rainsford Island . . . . .	647 35
Almshouse, Charlestown . . . . .	416 87
Pauper expenses . . . . .	7,003 64
Steamer “J. Putnam Bradlee” . . . . .	61 02
	<hr/>
Public Institutions . . . . .	\$76,583 02
House of Correction, county of Suffolk . . . . .	23,701 24
	<hr/>
Total . . . . .	<u>\$100,284 26</u>

The sources from which the income has been received are as follows, viz. :

## HOUSE OF INDUSTRY.

Stone . . . . .	\$33,996 33
Labor of inmates . . . . .	8,788 54
Pigs and pork . . . . .	1,464 00
Board of paupers . . . . .	940 60
Farm products . . . . .	791 86
Coal . . . . .	731 37
Empty barrels . . . . .	559 72
Printing department . . . . .	544 91
Brogans . . . . .	488 00
Carting and teaming . . . . .	228 90
Tinware . . . . .	207 25
Grease and bones . . . . .	170 69
Man-holes . . . . .	125 99
Rent of room . . . . .	111 25
Use of scow and boat . . . . .	93 00
Bread . . . . .	56 30
Other items, under \$50 . . . . .	201 30
Total . . . . .	<u>\$49,500 01</u>

## LUNATIC HOSPITAL.

Board of patients . . . . .	\$13,888 56
Bones and grease . . . . .	240 05
Pigs . . . . .	117 35
Other items under \$50 . . . . .	39 17
Total . . . . .	<u>\$14,285 13</u>

## MARCELLA-STREET HOME.

Board of inmates . . . . .	\$747 14
Barrels, junk, grease, and bones . . . . .	131 11
Total . . . . .	<u>\$878 25</u>

## HOME FOR PAUPERS, LONG ISLAND.

Board of inmates . . . . .	\$1,730 31
Carting . . . . .	960 63
Gravel . . . . .	418 25

Farm products . . . . .	\$191 72
Rent of cottage . . . . .	160 00
Empty barrels . . . . .	144 90
Labor of inmates . . . . .	59 24
Telephone . . . . .	54 75
Other items under \$50 . . . . .	70 95
Total . . . . .	<u>\$3,790 75</u>

## HOME FOR PAUPERS, RAINSFORD ISLAND.

Board of inmates . . . . .	\$287 15
Pork and lard . . . . .	246 33
Telephone . . . . .	54 75
Other items under \$50 . . . . .	59 12
Total . . . . .	<u>\$647 35</u>

## ALMSHOUSE, CHARLESTOWN.

Board of inmates . . . . .	\$340 77
Other items under \$50 . . . . .	76 10
Total . . . . .	<u>\$416 87</u>

## PAUPER EXPENSES.

Board of sundry persons in State institutions, paid for by the City of Boston, refunded . . . . .	<u>\$7,003 64</u>
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## STEAMER "J. PUTNAM BRADLEE."

Transporting building material . . . . .	<u>\$61 02</u>
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## HOUSE OF CORRECTION, COUNTY OF SUFFOLK.

Labor of inmates . . . . .	\$22,576 74
Bones and grease . . . . .	770 02
Empty barrels . . . . .	291 42
Other items under \$50 . . . . .	63 06
Total . . . . .	<u>\$23,701 24</u>

Comparisons of expenditures of the several institutions for the years ending January 31, 1894 and 1895:

	Expenditures for 12 mos.		Increase.	Decrease.
	Ending Jan. 31, 1894.	Ending Jan. 31, 1895.		
Deer Island Institutions . . . . .	\$160,734 37	\$162,332 30	\$1,597 93	
Lunatic Hospital . . . . .	96,722 69	92,159 50	. . . . .	\$4,563 19
Marcella-street Home . . . . .	45,970 02	44,776 03	. . . . .	1,193 99
Home for Paupers, Long Island . .	{ Home for Paupers.	57,175 66	}	
“ “ “ Rainsford Island		81,500 18		
Almshouse, Charlestown . . . . .	14,936 36	13,254 19	. . . . .	1,682 17
Pauper expenses . . . . .	172,932 58	182,422 71	9,490 13	
Steamer expenses . . . . .	13,787 41	22,547 51	8,760 10	
Office expenses . . . . .	20,311 31	20,251 67	. . . . .	59 64
Public Institutions . . . . .	\$606,894 92	\$620,804 38	\$21,408 45	\$7,498 99
County of Suffolk, House of Cor- rection . . . . .	97,592 36	95,074 02	. . . . .	2,518 34
Totals . . . . .	\$704,487 28	\$715,878 40	\$21,408 45	\$10,017 33
Increase as above . . . . .	. . . . .	. . . . .	. . . . .	\$21,408 45
Decrease as above . . . . .	. . . . .	. . . . .	. . . . .	10,017 33
Net increase . . . . .	. . . . .	. . . . .	. . . . .	<u>\$11,391 12</u>

Comparisons of income for the years ending January 31, 1894 and 1895 :

	Income for 1 year.		Increase.	Decrease.
	Ending in 1894.	Ending in 1895.		
House of Industry . . . . .	\$56,830 12	\$49,500 01	. . . . .	\$7,330 11
Lunatic Hospital . . . . .	15,457 68	14,285 13	. . . . .	1,172 55
Marcella-street Home . . . . .	948 94	878 25	. . . . .	70 69
Home for Paupers, Long Island . . . . .	{ Home for Paupers.	3,790 75	}	\$158 52
“ “ “ Rainsford Island . . . . .		4,279 58		
Almshouse, Charlestown . . . . .	136 16	416 87	280 71	
Pauper expenses . . . . .	2,334 09	7,003 64	4,669 55	
Steamer expenses . . . . .	59 20	61 02	1 82	
Public Institutions . . . . .	\$80,045 77	\$76,583 02	\$5,110 60	\$8,573 35
County of Suffolk, House of Correction . . . . .	28,801 98	23,701 24	. . . . .	5,100 74
Total . . . . .	\$108,847 75	\$100,284 26	\$5,110 60	\$13,674 09

Decrease as above . . . . .	. . . . .	\$13,674 09
Increase as above . . . . .	. . . . .	5,110 60
Net decrease . . . . .	. . . . .	<u>\$8,563 49</u>

Actual cost of running expenses of the institutions for the year ending January 31, 1895 :

	Expended.	Income.	Actual Cost.
Deer Island Institutions . . . . .	\$162,332 30	\$49,500 01	\$112,832 29
Lunatic Hospital . . . . .	92,159 50	14,285 13	77,874 37
Marcella-street Home . . . . .	44,776 03	878 25	43,897 78
Home for Paupers, Long Island . .	57,175 66	3,790 75	53,384 91
“ “ “ Rainsford Island	25,884 81	647 35	25,237 46
Almshouse, Charlestown . . . . .	13,254 19	416 87	12,837 32
Pauper expenses . . . . .	182,422 71	7,003 64	175,419 07
Steamer expenses . . . . .	22,547 51	61 02	22,486 49
Office expenses . . . . .	20,251 67	. . . . .	20,251 67
Public Institutions . . . . .	\$620,804 38	\$76,583 02	\$544,221 36
County of Suffolk, House of Correction . . . . .	95,074 02	23,701 24	71,372 78
Total . . . . .	\$715,878 40	\$100,284 26	\$615,594 14

Total expenditures for the year ending January 31, 1894 . . . . .	\$704,487 28
Total expenditures for the year ending January 31, 1895 . . . . .	715,878 40
Increase for the year ending January 31, 1895,	<u>\$11,391 12</u>
Actual cost for the year ending Jan. 31, 1894,	\$595,709 53
“ “ “ “ “ “ 1895,	615,594 14
Increase for the year ending Jan. 31, 1895,	<u>\$19,884 61</u>

Number of inmates remaining in the several institutions on January 31, 1894 and 1895:

	1894.	1895.	Increase.	Decrease.
House of Industry,	1,373	1,470	97	
House of Reformation,	72	66	. . . . .	6
Truant School,	93	17	. . . . .	76
Paupers,	10	8	. . . . .	2
Lunatic Hospital . . . . .	458	464	6	
Marcella-street Home . . . . .	254	331	77	
Home for Paupers, Long Island . . .	919	688	} 41	
“ “ “ Rainsford Island .		272		
Almshouse, Charlestown . . . . .	166	161	. . . . .	5
Public Institutions . . . . .	3,345	3,477	221	89
County of Suffolk, House of Correction . . . . .	702	663	. . . . .	39
Totals . . . . .	4,047	4,140	221	128

Average number of inmates during the year ending January 31, 1895:

Deer Island Institutions . . . . .	1,582
Lunatic Hospital . . . . .	457
Marcella-street Home . . . . .	288
Home for Paupers, Long Island . . . . .	554
“ “ “ Rainsford Island . . . . .	252
Almshouse, Charlestown . . . . .	157
Public Institutions . . . . .	3,290
County of Suffolk, House of Correction . . . . .	656
Total . . . . .	<u>3,946</u>



The average expenditure for and actual cost of each inmate of the institutions for the year ending January 31, 1895 :

INSTITUTIONS.	Expenditures.		Actual Cost.	
	Per year.	Per week.	Per year.	Per week.
Deer Island Institutions . . . . .	\$102 61	\$1 97	\$71 32	\$1 37
Lunatic Hospital . . . . .	201 66	3 88	170 40	3 28
Marcella-street Home . . . . .	155 47	2 99	152 42	2 93
Home for Paupers, Long Island,	103 21	1 98	96 36	1 85
Home for Paupers, Rainsford Island . . . . .	102 72	1 98	100 15	1 93
Almshouse, Charlestown . . . . .	84 42	1 62	81 77	1 57
County of Suffolk, House of Correction . . . . .	144 93	2 79	108 80	2 09

Statement for the years 1888 to 1894 :

YEAR.	Expenditures.	Income.	Net Cost.	Average number of Inmates.	Number in State Institutions.
1888 . . . . .	\$695,618 57	\$75,368 77	\$620,249 80	3,387	675
1889 . . . . .	675,122 05	88,225 40	586,896 65	3,612	738
1890 . . . . .	648,919 71	96,159 77	552,759 94	3,349	719
1891 . . . . .	644,155 11	105,396 88	538,758 23	3,306	699
1 month, Jan. 31, 1892 . . . . .	44,673 61	13,499 16			
12 months, Jan. 31, 1893 . . . . .	660,794 76	99,583 31	561,211 45	3,509	768
12 months, Jan. 31, 1894 . . . . .	704,487 28	108,847 75	595,709 53	3,582	832
12 months, Jan. 31, 1895 . . . . .	715,878 40	100,234 26	615,594 14	3,946	895

Reference to the foregoing tables shows an average increase of inmates over the previous year, also a decrease of the cost per capita for the same period in every institution in this department, notwithstanding that several extraordinary expenditures amounting to ten thousand dollars were incurred, and which were paid from the appropriation for current expenses. The total expenditures exceeds that of last year eleven thousand three hundred and ninety-one dollars and twelve cents, and the actual cost is nineteen thousand eight hundred and eighty-four dollars and sixty-one cents greater than for last year. The income was eight thousand five hundred and sixty-three dollars and forty-nine cents less than in 1893 and 1894.

## DEER ISLAND INSTITUTIONS.

## HOUSE OF INDUSTRY.

This institution is in excellent condition. It is still overcrowded, which requires the use of the day-room. This it was confidently believed would have been discontinued upon the completion of the addition made in 1893.

The number of inmates remaining on January 31, 1895, is fourteen hundred and seventy, an increase from the same date in 1894 of ninety-seven. The daily average for this year is fourteen hundred and fifty, an increase of two hundred and fifty-six over 1894.

To accommodate the constantly increasing numbers we recommend the erection of a new wing to contain four hundred cells, the estimated cost of which is three hundred thousand dollars.

The recommendation made in previous reports in relation to the deepening of the pond and connecting it with the institution is renewed, and a special appropriation of fifteen hundred dollars will be requested for that purpose.

A new gasometer, replacing the old one that was worn out, was put in at a cost of one thousand and seventeen dollars which was paid from the regular appropriation.

The extension of the stone-yard referred to in the last report is under way, and will be in operation in April.

## HOUSE OF REFORMATION.

The number remaining January 31, 1895, is sixty-six, a decrease of six from the same date 1894. The daily average of inmates is sixty-two, an increase of five over 1894.

The removal of this institution to Rainsford Island in the early spring will give an opportunity to have it carried on under the most modern ideas.

The pauper women are now being removed from Rainsford Island to Long Island, and when their removal is completed, it is intended to remodel the buildings for the reception of the inmates of the House of Reformation; that, in addition to the schooling now provided, a system of military drill and discipline will be established; the Sloyd system and instruction in the various trades introduced, the whole management to be directed according to the latest

approved methods of such an institution. Being separated from adult criminals and with the modern methods introduced the best results must follow.

#### TRUANT AND PARENTAL SCHOOLS.

The number remaining January 31, 1895, is seventeen, a decrease of seventy-six from 1894, on the same date. The average number for the year is one hundred and one.

The truant-school has been managed as well as the surroundings and circumstances have allowed. The long delayed change of location is about to be made.

The Parental School buildings were substantially completed in September last, and would have been occupied but for the delay of the contractor in the construction of the settling-basins and filtering-beds for the sewage, the completion of this work being necessary before occupation, as there is no public sewer in the vicinity. As soon as the basins and bed are finished (which it is hoped will be in a few weeks) the school will be established. Another dormitory building of the same character and size as the present one is required immediately, and will cost thirty-five thousand dollars. A request for an appropriation for this amount will be made at an early date.

#### HOME FOR PAUPERS, RAINSFORD ISLAND.

This institution is in good condition.

The number remaining January 31, 1895, is two hundred and seventy-two, against two hundred and twenty-seven on the same date in 1894. The average number for this year is two hundred and fifty-two, an increase of seven over 1894. The removal of the paupers to Long Island was begun late in January, and will continue during pleasant weather until all have been transferred.

Considerable difficulty has been experienced with the water supply at Rainsford Island, caused by the breaking of the main supply pipes. We recommend the construction of a reservoir with a capacity of one million gallons similar to that completed at Long Island. The estimated cost of main supply pipes, hydrants, and cement for concreting the inside is \$2,500. The labor will be provided from Deer Island.

With the permission of His Honor Mayor Matthews the Board granted the use of the old hospital on this island to Dr. Harold C. Ernst, of Harvard University, for a summer hospital for poor children and their mothers in July. The building was cleaned thoroughly, repaired, painted, and kalsomined throughout, and furnished with bedsteads which were

on hand. The hospital was managed by the Sisters of St. Margaret, and was open from August 8 to September 15, and in that time there were received two hundred and fifty mothers and children, of which number one hundred and twenty-nine were patients. It was supported by subscription and was a worthy charity.

#### HOME FOR PAUPERS, LONG ISLAND.

The number remaining at Long Island January 31, 1895, is six hundred and eighty-eight, a decrease of eight from January 31, 1894. The average number for the year is five hundred and fifty-four, an increase of seventy-one over the previous year.

This institution is in most excellent condition. The hospital, the erection of which was began in October, 1891, and occupied in March, 1893, has been fully completed by the erection of the easterly wing, which was occupied in January of this year. This building is considered one of the best hospitals in this country. It is finely located, and is equipped in every way in the very best manner, with the most approved appliances, lighted by both gas and electricity; its ventilation and heating plant is perfect, and the drainage system the best. It is furnished plainly but substantially. It fully supplies a need which had been for many years lacking in proper accommodations for the sick poor.

A board of visiting and consulting physicians and surgeons has been appointed, consisting of the following gentlemen, all eminent in their profession: Maurice H. Richardson, M.D., Edward N. Whittier, M.D., A. Laurence Mason, M.D., William M. Conant, M.D., and George Haven, M.D.

The women's dormitory, with accommodations for three hundred and twenty inmates, has been completely furnished and is now occupied. This building, with the easterly wing of the hospital, was placed under contract with Mr. J. J. Flynn on November 7, 1893, and cost to erect seventy-eight thousand seven hundred and three dollars and sixty-three cents. A description of this building was given in the report for 1893. It is lighted with gas and electricity, and the heating and ventilating plant is the same as that in the hospital. The completion of this building provides accommodations for all the poor that the city must support.

The reservoir, begun in 1892, was completed and was filled on December 7, 1894. It has a capacity of upwards of a million gallons, and its value has been proved already, the institution using water from it since on account of the

supply pipes between Moon Head and Long Island having burst. We trust that it will be repaired at an early day.

A new telephone cable was laid between Long and Deer islands to replace the one laid in 1889, and has been in working order since April last. In compliance with an order from His Honor Mayor Matthews, the Commissioners supplied additional fire appliances at both Long and Rainsford islands at an expense of two thousand three hundred and fifty-four dollars and forty-five cents, which was paid from the regular appropriation. The removal of the paupers from Rainsford necessitated the enlargement of the boiler-house and laundry building; a larger receptacle for coal was also built with a capacity of one hundred and twenty-five tons. The extension was erected by labor from Deer Island, the expense incurred being that only for material. An ice-house, with a capacity of three hundred and fifty tons, is now being built; a tool-house was constructed by pauper labor with material which was on hand. The recommendation made in several previous reports relating to the erection of coal-sheds here is renewed, the cost of which would be about two thousand dollars.

The Committee of the Whole of the Board of Aldermen of 1894 in their report recommended their erection, and also a chapel. We concur with their opinion and will ask for a special appropriation of fifteen thousand dollars for that purpose, and trust that it will be granted.

With the erection of a small hospital for syphilitic patients Long Island will be perfectly equipped for the purpose for which it is used. The estimated cost of such a building is twenty thousand dollars.

#### HOUSE OF CORRECTION.

The number of inmates remaining January 31, 1895, is six hundred and sixty-three, being thirty-nine less than on the same date in 1894. The average number for the year is six hundred and fifty-six, an increase of fifty-two over the previous year.

The institution is in as good condition as the ancient buildings and capacity will allow. For many years recommendations have been made for the erection of new prison buildings, but the City Council has not seen fit to appropriate the means to carry out the suggestions made.

We recommend that when the lunatic hospital buildings are vacated a thorough examination of them be made by the City Architect to determine if they can be remodelled so as

to make proper prison buildings, and if so determined to contract for the work, thus giving the needed additional room for the House of Correction. If they cannot be utilized for that purpose, that they be torn down and new buildings of the best construction, with all the latest modern improvements, be built. This would give an opportunity to classify the prisoners, which, in the opinion of the best informed prison managers, is absolutely necessary for good discipline and for the accomplishment of the reformation of the class confined in such a prison.

In response to an order passed in the Board of Aldermen, dated January 7, 1895, as follows:

*Ordered,* That the Commissioners of Public Institutions be requested to consider and report to this Board the amount of money required for the construction of a new house of correction, together with a suitable site other than in South Boston," the Commissioners sent the following report: "That the cost of buildings is estimated at eight hundred and ninety-seven thousand dollars (\$897,000). The Commissioners are unable to name an eligible location at this time, but believe that a suitable site can be procured for fifty thousand dollars (\$50,000), thus making a total estimate of nine hundred and forty-seven thousand dollars (\$947,000)."

#### LUNATIC HOSPITAL.

The number remaining in this institution January 31, 1895, was four hundred and sixty-four, an increase of six over the previous year; the average number for the year was four hundred and fifty-seven, an increase of twelve over last year. The new buildings at Austin Farm were occupied in July by the transfer of patients from South Boston, thereby relieving the old hospital from its crowded condition. At the present time there are three hundred and forty-six at the Farm, and one hundred and eighteen at South Boston.

The completion of the buildings at the Pierce Farm will more than accommodate those remaining at South Boston.

The delay in occupying these buildings is caused by the failure of the contractor to finish his work; they are nearly completed, and will be occupied during the month of March. It will be necessary to erect an administration building for the superintendent and the medical staff this year, plans for which have already been prepared, at an estimated cost of thirty-five thousand dollars. A filtering-bed must be provided for the sewage, the settling-basins and drains having been constructed. The estimated cost of the filtering-bed is eight thousand dollars.

An ice house is being built at the Pierce Farm, with a capacity of three hundred and fifty tons. The ice will be cut from the pond at Austin Farm, the cost of which will be paid from the regular appropriation.

We renew the recommendation in our last report relating to the extension of this plant, which is quoted in full below :

"In furtherance of the plan proposed by the Commissioners for several years past, viz., the advisability of the city taking care of all its insane poor in institutions of its own, they recommend that there be built the coming year five dormitory buildings — four on the Pierce Farm and one on the Austin Farm — of similar construction and size of those erected this year, which will provide quarters for nearly all the city's insane; and also suggest the city acquire by purchase or the right of eminent domain, all that tract of land bounded by Canterbury, Walk Hill, Back, and Morton streets, not now owned by it, containing about 110 acres, which, with that already owned, would make a total of about 250 acres, which would give sufficient room to erect buildings with capacity to take care of that class of the city's wards for years to come. Should this be done, and buildings added as may be needed, the city will be able to support its insane at less cost, and the friends of the patients saved much time and money now expended in visiting them at the various hospitals distant twenty-five to one hundred miles."

The estimated cost of these buildings is two hundred thousand dollars, furnishing accommodation for five hundred patients.

#### CITY'S INSANE IN STATE HOSPITALS.

The number of insane supported by the city, remaining in State institutions January 31, is eight hundred and ninety-five, an increase of sixty-three over the same date in 1894, and are located as follows :

Danvers Lunatic Hospital . . . . .	83
Taunton " " . . . . .	91
Worcester " " . . . . .	153
" Insane Asylum . . . . .	125
Westboro' Insane Hospital . . . . .	180
Northampton Lunatic Hospital . . . . .	6
Tewksbury Asylum . . . . .	78
Bridgewater " . . . . .	31
Insane patients boarded out . . . . .	42
Massachusetts School for Feeble-minded . . . . .	66



Hospital cottages . . . . .	9
Massachusetts Hospital for Dipsomaniacs and Inebriates, . . . . .	30
State Almshouse . . . . .	1
	<hr/>
	895

There has been expended for the support of the insane, as above, from the appropriation this year one hundred and forty-nine thousand three hundred and seventy dollars and eighty-two cents.

#### MARCELLA-STREET HOME.

This institution is in most excellent condition.

The number remaining in the institution January 31, was three hundred and thirty-one, an increase of seventy-seven over the last year. The average number for the year was two hundred and eighty-eight, an increase of forty over the last report.

The same interest which has been shown by several ladies in the past has been continued, and the gratitude of the Commissioners as well as of all concerned are due them for their many kindnesses and self-sacrificing acts. We hope that the City Council will take some means to remove the offal yard, so often complained of as a nuisance, and the removal of which has been requested so frequently.

#### ALMSHOUSE, CHARLESTOWN.

This institution has been carried on in the usual careful and comfortable manner.

The number of inmates remaining January 31 was one hundred and sixty-one, five less than in the previous year. The average number was twelve greater than at the last report, being one hundred and fifty-seven against one hundred and forty-five.

The steamer "J. Putnam Bradlee" is now in the best condition, having been thoroughly overhauled and repaired after the accident, which nearly destroyed her on September 12, 1894, at a cost, including raising and towing, of \$6,442.18, which was paid from the appropriation for current expenses. The steamer was engaged on that date conveying a party of excursionists to Nantasket beach upon invitation of His Honor Mayor Matthews, and while in Weir river she struck on Dolphin ledge, and partially sunk. The passengers were safely transferred to another steamer, and the "Bradlee" was finally raised, towed to East Bos-

ton and there repaired. She has performed her regular trips since, besides making special trips to the islands, carrying water.

On January 8, 1894, an order was introduced in the Board of Aldermen to proceed with an investigation of the Public Institutions, and to give public hearings, etc. This order was based on a report made by the Committee on Houses of Detention, made to the City Council, dated October 23, 1893, which reflected on the condition of certain penal institutions.

The first hearing was held on March 15, and the last on December 28, there being fifty-eight in all. For obvious reasons the Commissioners do not wish to discuss the subject or its results, as the public was kept well informed from day to day through the press, of the evidence presented and the arguments made, and further, as the City Council have caused to be printed a large edition of the stenographic report of the hearings, consisting of 3,830 pages contained in three volumes (City Document 211), everyone who has read, or who may read the report, will conclude for themselves what was accomplished. We, however, think it proper to quote the following portion of the majority report of the Committee of the Whole :

"A large amount of criticism has been directed, during the investigation, against the character and actions of the subordinate officers of the institutions, and it has been claimed that an inferior grade of officials have been in many instances employed on account of the meagre and insufficient compensation allowed. It is evident that the Commissioners, from their actions, have endeavored to raise the standard of the institutions, and have asked for sufficient funds to carry out their plans in this respect, but they have not been seconded in all their efforts by the Mayor and City Council, for the funds they required for the purpose were not supplied in every instance.

"The investigation has closed. Its extraordinary length can be accounted for from the fact that a large number of institutions have been under examination. The charges have been practically the same with regard to each institution, and the faults that have been disclosed were, as every one admits, largely due to insufficiency of the buildings and the system of administration that was not "up to the times," or not in keeping with the modern enlightened views upon the subject. It has been shown that the Commissioners have endeavored to improve the institutions and raise their standard of administration."

We also feel it proper to quote from the valedictory of His Honor Mayor Matthews, believing it to be a full and fair view of the investigation :

"PAUPER AND PENAL INSTITUTIONS.

"These, since early in 1889, have been in charge of the Board of Commissioners of Public Institutions, created by Chap. 245 of the Acts of that year, and consisted in 1891 of the House of Correction in South Boston; the House of Industry, the House of Reformation, and the Truant School at Deer Island; a lunatic hospital partly in South Boston and partly at Austin Farm; a home for pauper children on Marcella street, in Roxbury, and three almshouses on Long and Rainsford Islands, and in Charlestown.

"Disturbances, finally resulting in open riot, occurred at Deer Island in the latter part of 1891. A careful personal investigation satisfied me that those disturbances had been fomented by one of the commissioners and some of the subordinate officers at the island; and these officials were therefore removed, under circumstances more fully set forth in the message, to the City Council of Feb. 5 and Feb. 23, 1892. The ease with which discipline has been maintained among the prisoners from that day to the present seems to be proof conclusive that the right course was followed at the time.

"Induced by this occurrence to investigate more carefully the general condition of our public institutions, I soon became convinced that they were one and all suffering from an utter inadequacy of accommodations, as well as from certain defects of management and system largely due to the lack of proper buildings.

"The accommodations in the House of Industry at Deer Island were wholly insufficient for the average number of prisoners there, and the close proximity of this institution to the House of Reformation and Truant School for Boys was objectionable in the highest degree. At Long Island there was but one building, constructed in 1885-88 without regard to modern methods of treatment and classification; and the building at Rainsford Island was still older and wholly unadapted to the needs of a modern almshouse. The Lunatic Hospital at South Boston was unfit for the care of the insane in every respect, apart from its overcrowded condition. It was opened in 1839, and enlarged in 1846, since which time no money had been expended on it except for ordinary repairs. Some of the inmates were removed to Austin Farm in 1887, but that had furnished no permanent relief.

“With the assistance of a Board of Visitors, composed of public-spirited citizens familiar with institutional work, appropriations have been made amounting to \$907,500, with which 376 additional cells have been provided at Deer Island; five new buildings for the insane have been erected at Austin Farm; 77½ acres of additional land have been purchased in the vicinity of Austin Farm, and three buildings for the insane erected thereon; a Parental School for Boys, consisting of two buildings, has been built on about twenty-nine acres of land purchased in West Roxbury; and several hospitals and a new dormitory have been erected at Long Island.

“These buildings are practically complete, and are either already occupied or will be within a few weeks. They will permit the department to concentrate at Long Island all the paupers entitled under the laws of the Commonwealth to permanent support by the city; to transport all the truant boys to the beautiful home provided for them in West Roxbury; to devote Deer Island exclusively to the House of Industry and its prisoners; to remove the House of Reformation for Boys to Rainsford Island; and to remove all the insane patients of the city, not boarded out in the State institutions, to Pierce and Austin Farms in Dorchester.

“The new buildings will also permit the arrangement, separation and classification of patients upon approved modern theories, and include larger and better hospital accommodations than can, I am satisfied, be found in similar institutions elsewhere in this country.

“A large part of the time of the Board of Aldermen has been occupied during the year just closed with an investigation into abuses alleged to exist in these institutions. Investigations by a tribunal which has no power to compel the attendance of witnesses or to administer a binding oath, and to which the most reckless statements can be made without subjecting the witness to the penalties of perjury, are not apt to be fruitful in results. The Board has listened with great patience to every one who had a complaint to bring against the management of the institutions, and has finally exonerated the commissioners from the charges brought against them. This result is, in my opinion, matter for public congratulation, as more vicious and undeserved attacks upon public officers than have at times been made in the course of this investigation have seldom been witnessed in the annals of municipal government.

“I would not be understood, however, as condemning the opinions held by the Board of Visitors or by the public-spirited ladies and gentlemen who, if mistakenly, yet

honestly, thought that the best way to secure the desired reforms was through a public investigation carried on in advance of the possibility of reform. The reports of the Board of Visitors in 1892 and 1894 contained many valuable suggestions, which were promptly acted on by the department; others were found impracticable without additional legislation; and others were impossible of execution until the new buildings were completed. There was no possibility of introducing the more general reforms recommended by the Board so long as the inmates of our institutions were confined in the miserable, crowded quarters until recently existing. In other words, much of the criticism passed upon the commissioners was premature. Now that the new buildings are complete, administration upon the most approved modern institutional theory is for the first time possible. As it was unreasonable to expect a proper treatment according to modern methods of the pauper and criminal wards of the city in the public institutions as they existed four years ago, so now, with one of the most modern and elaborate plants to be found anywhere in the country, their mismanagement ought to be impossible."

Mr. John D. Berran was appointed and confirmed a Commissioner of Public Institutions on January 23, vice Mr. Thomas H. Devlin, whose term of office expired on May 1, 1894.

Mr. Francis W. Knowles, for many years clerk of accounts at the Commissioners' office, died on September 15, 1894, and was succeeded by Mr. George H. Brown, promoted from the registry clerkship.

Your attention is respectfully called to the reports of the several superintendents, sent herewith.

The recommendations made in the majority report of the Committee of the Whole have been or are being carried out so far as is practicable.

The institutions are, we believe, in better condition than ever before, and the efforts of the Commissioners have been constantly in the line of improvement.

Respectfully,

THOS. L. JENKS,  
EDWIN L. PILSBURY,  
JOHN D. BERRAN,

*Commissioners.*

## DEER ISLAND INSTITUTIONS.

## SUPERINTENDENT'S REPORT.

*To the Commissioners of Public Institutions:*

GENTLEMEN: The following report of the condition of Public Institutions at Deer Island, comprising the House of Industry, House of Reformation, and Truant School, is respectfully submitted.

The past year has been an eventful one, — also very trying, — not only to me, but every official connected with the Public Institutions of the City of Boston.

We have passed through the ordeal, and have been able to keep our discipline at a high standard, for which I am very grateful.

The inmates of the House of Industry have reached a larger number the past year than ever before, it being 1,274 males and 394 females, besides children of sentenced mothers; also, adults under observation, sent by the Examining Physician of the Board, Dr. Jelly.

When the truant boys are removed to the New Parental Home, at West Roxbury, and the reformation boys to Rainsford Island, these buildings may be used to good advantage, and would relieve the crowded condition of the House of Industry, and give us opportunity for classification.

There is now an effectual separation of the sexes in the House of Industry, also the Hospital, which is a wooden building, erected in 1885. I consider it of sufficient size and adaptation for hospital purposes and lying-in women with infant children. The plan is designed for a good classification.

There are 3 wards, 128 feet long by 28 feet wide, designated as Wards A, B, and C.

Ward A is the nursery for sentenced mothers with children; Ward B is for the women; and Ward C for the men.

They are connected by a corridor.

The buildings of the House of Industry were erected in 1849, and are well suited for the purpose.

The plan is in the shape of a cross, and the dimensions are as follows:

The centre building is 5 stories, 75 feet square, and 75 feet high; each perpendicular corner is subtended by the

section of a circle. The basements are divided by a brick wall, and are used for receiving and bathing purposes. The first floor for kitchen, second floor for female sewing-room, third floor for cane-shop and store-room. Fourth floor is the chapel, with a gallery, with a seating capacity of 1,200. From the centre building there are four wings, running north, south, east, and west.

The north wing is 100 feet long, 50 feet wide, and 50 feet high. The basement is used for a wash-room for men. The first floor, dining-room; second floor, male sewing-room; third floor, dormitory; fourth floor, attic dormitory. This wing is used for men only. The south wing, for women, is 100 feet by 50 feet, and 50 feet high, — the same dimensions as the north wing. The basement is used for the store; first floor, women's dining-room and office of the institution; second, third, and attic floors are used for dormitories for women. The east wing is 250 feet long by 50 feet wide, and 50 feet high, and contains 776 cells for men. The west wing is used for the Superintendent's house; also, dining-room for Assistant Superintendent, Clerk, Chaplain, and physicians. There are circular towers attached to the exterior wall of the north, south, and east wings. They are 65 feet high, and 13 feet in diameter, with stairways, and would be used, in case of fire, to relieve the dormitories. We are well equipped for that emergency. The roof is slated; the floors are double, and laid with mortar between them; the ceilings are not plastered; the walls are brick, built hollow, and without lath or plaster. All the wings are separated from the centre building by a thick, brick wall, covered and secured in all its openings with iron doors and shutters, and rising above the roof of the wings, so as to make a complete barricade against fire, behind which the inmates of a wing on fire may retreat.

The supervision is so complete as to enable officers on duty to see the very beginning of fire from top to bottom and from end to end.

A stand-pipe runs up through the centre building, with 125 feet of hose, with pipe attached, on each floor, so that water may be used at a moment's notice.

I would recommend that a stand-pipe be placed in the Hospital corridor, with pipe and hose attached. We would then be well guarded, and able to combat with a fire should one occur.

The numbers are increasing, and we have not cells or workshops enough. Some 450 men have been obliged to sleep in dormitories the past year. A cell should be provided for each inmate.

There are 125 men at work in the sewing-room, 30 men

in the bake-shop, 85 men in cane-shop, 30 men in the carpenter and cooper shop, 17 men in the shoe-shop, 10 men in the blacksmith-shop, 25 men as upholsterers and painters, 75 men as waiters, scrubbers, bed-makers, and whitewashers, 30 men in piggery, barn, and at the wharf, 140 men at stone-cutting, and the remainder work on the farm at all kinds of labor under the eye of an officer at all times.

When our new cells were completed we thought we would be in condition to provide each male inmate with a cell, but since the new law relating to drunkenness went into effect the institution became as overcrowded as ever, all the dormitory rooms have been occupied as sleeping apartments, and we could not use them for workshops as intended. Owing to our crowded condition we have not the opportunity for a thorough classification. We do the best we can under the circumstances, and if we can have the facilities better results will be shown.

I wish to say that in my years of experience and knowledge of the institution I have never met a more zealous and faithful corps of officers than are now with me, and the present prosperous condition of the institution is the best evidence of their ability and loyalty. All of the departments of the institution have been in efficient operation during the year now closing.

It is absolutely necessary that a firm hand should be held over those who are committed to the House of Industry, and while there have been inflictions of punishment whenever it was needful in maintaining discipline, it has been administered impartially and uniformly.

In the matter of food, economy has been studied, and at the same time the food supplied has always been sufficient in quantity, clean and wholesome, and properly prepared. The health of the inmates affords sufficient evidence that there is nothing to complain of in that respect.

The amount received in payment of fines for the past year is \$10,570, which sum has been paid over to the County Treasurer.

An average of 119 men have worked in the stone-yard. We have sold to the City of Boston 44,046 feet edgestone, 100 catch-basins, 238 corners, and 2,525 paving-blocks valued at \$32,316.20.

We have on hand 3,055 feet rough stone, also finished and ready for delivery 9,001 feet edgestone, 244 feet fine hammered edgestone, 18 $\frac{1}{2}$  feet circle edgestone, 1,350 paving blocks, 238 curb corners, and 100 catch-basins. We continue to manufacture gas at a cost of 55 cents per 1,000 cubic feet. Electric lights would give much better satisfac-



tion, especially for the prison, as every man in a cell would then have a good light to read by.

Our intention was to transfer the reformation boys to the Truant School building September 1, but could not, as the truant school was not removed, consequently they still occupy the old wooden building beyond the Truant School. An average of 12 House of Reformation boys are employed in the printing-office, the remainder do no work except cleaning house and farming during the summer months. These boys should have instruction in some branch of mechanical industry, not for the income we would derive from their labor, but to teach them a trade that would be of benefit in after years. They are under the instruction of Henry C. Twitchell, as teacher.

After the examination in the Truant School department all but 6 of the boys were released with the understanding that their school would be removed to the new Parental Home that was under construction at West Roxbury. As they were not removed at that time, they began to return to us by the last of September, and the number at the present time is 17. They are under the instruction of Jas. S. Freeman.

The farm stock is in good condition, all of the crops were abundant, and the following were the principal products :

Hay . . . . .	116 tons.
Oats and rye fodder . . . . .	65 "
Corn fodder and ensilage . . . . .	297 "
Hungarian grass . . . . .	6 "
Mangle beets . . . . .	147 "
Squash . . . . .	35 "
Pumpkins . . . . .	6 "
Ice . . . . .	800 "
Turnips . . . . .	73 "
Carrots . . . . .	60 "
Parsnips . . . . .	13 "
Table beets . . . . .	346 bushels.
Onions . . . . .	2,500 "
Potatoes . . . . .	319 "
Tomatoes . . . . .	1,117 "
Peas . . . . .	97 "
Bush beans . . . . .	113 "
Pole beans . . . . .	37 "
Cucumbers . . . . .	269 "
Melons . . . . .	39 "
Beet greens . . . . .	157 "
Spinach greens . . . . .	276 "
Cabbage greens . . . . .	321 "

Dandelion greens . . . . .	336 bushels.
Sweet corn . . . . .	132 "
Peppers . . . . .	9 "
Pears . . . . .	25 "
Grapes . . . . .	1½ "
Apples . . . . .	450 "
Currants . . . . .	94 boxes.
Raspberries . . . . .	92 "
Strawberries . . . . .	157 "
Cabbage . . . . .	23,100 heads.
Lettuce . . . . .	987 "
Celery . . . . .	3,864 bunches.
Radishes . . . . .	1,000 "
Asparagus . . . . .	5,210 "
Rhubarb . . . . .	1,300 pounds.
Milk . . . . .	239,957 "
Eggs . . . . .	903 dozen.
Ducks raised . . . . .	3 "
Turkeys raised . . . . .	½ "
Chickens . . . . .	11 "
Bedding-plants (for decorating) . . . . .	600 "
Manure . . . . .	987 cords.
Wood . . . . .	296 "

The following is the report of the piggery department :

Pork slaughtered, 64,150 lbs., at 7c. . . . .	\$4,490 50
Sale of live pigs . . . . .	1,201 50
Sale of soap-grease . . . . .	44 99
310 cords manure, at \$2.50 . . . . .	775 00
711 hhds. soft soap, at \$5.00 . . . . .	3,555 00
	<hr/>
	\$10,066 99
Cost of soap-stock . . . . .	106 62
	<hr/>
	<u>\$9,960 37</u>

There has been given to inmates on their discharge 3,657 articles of clothing. There has been made for their use and wear 2,124 pairs men's brogans, 372 pairs boy's brogans, 695 pairs women's shoes, 792 pairs women's slippers, 2,258 coats, 3,124 pairs pants, 1,802 vests, 235 $\frac{6}{12}$  dozen cotton shirts, 174 dozen woollen shirts, 1 $\frac{2}{12}$  dozen overcoats, 5 $\frac{8}{12}$  dozen jumpers, 123 $\frac{3}{12}$  dozen pairs overalls, 247 $\frac{9}{12}$  dozen pairs suspenders, 1,139 dresses, 235 ties, 739 aprons, 1,295 skirts, 547 pairs drawers, 810 chemises, 230 night-dresses, 1,305 napkins, 343 handkerchiefs, 62 clothes-bags, 970

sheets, 1,200 pillow-slips, 76 bed-ticks, 1,404 towels, 212 roller-towels, 18 curtains, 41 stand covers, 28 tablecloths, 24 baker's caps, 285 pairs men's woollen socks.

We have also cut, made, and trimmed for Marcella-street Home  $42\frac{5}{12}$  dozen woollen shirts; for Long Island 169 coats, 264 pairs pants, 326 vests, and 12 overcoats; for Rainsford Island 22 pairs pants, 14 overcoats, and 6 vests; for Charles-town Almshouse 38 coats, 38 vests, 40 pairs pants,  $7\frac{1}{12}$  dozen pairs woollen drawers, and  $15\frac{8}{12}$  dozen woollen shirts.

I would again call your attention to the laying of water-pipes from our ice-pond to the reservoir.

Our ice-crop last winter was good, and we gathered all we had storage for, but it did not last the entire season, as we furnished Long and Rainsford Islands.

The reports of Dr. Roche, resident physician, and the Rev. Wm. B. Toulmin, chaplain, and superintendent of schools, accompany this report, also the usual tables and statistics.

In closing, allow me to thank you for the invaluable assistance, as well as the cordial support, which I have always received from your honorable Commission; and it has done very much towards enabling me to meet what at times has seemed to me to be a great responsibility, connected with the faithful discharge of the duties of my office.

Very respectfully,

JAMES R. GERRISH,

*Superintendent.*

DEER ISLAND, January 31, 1895.

ALMSHOUSE DEPARTMENT.

	Men.	Women.	Boys.	Girls.	Total.
Remaining January 31, 1894 . . . . .	4	5	1	0	10
Admitted . . . . .	143	61	3	3	210
	147	66	4	3	220
Discharged . . . . .	143	63	3	3	212
	4	3	1	0	8
Remaining January 31, 1895 . . . . .	<u>4</u>	<u>3</u>	<u>1</u>	<u>0</u>	<u>8</u>

During the year there were admitted to this department 12 males and 6 females from the House of Industry who were too sick to leave upon expiration of sentence.

There have been 19 deaths during the year.

Included in the above figures are 2 neglected children, — 1 boy admitted and 1 boy discharged (pardoned).

## HOUSE OF INDUSTRY DEPARTMENT.

	Men.	Women.	Total.
Remaining January 31, 1894 . . . . .	1,062	311	1,373
Committed . . . . .	7,329	1,399	8,728
	<hr/>	<hr/>	<hr/>
Discharged . . . . .	8,391	1,710	10,101
	7,236	1,395	8,631
	<hr/>	<hr/>	<hr/>
Remaining January 31, 1895 . . . . .	<u>1,155</u>	<u>315</u>	<u>1,470</u>

*Children of sentenced mothers :*

Remaining January 31, 1894 . . . . .	9
Admitted . . . . .	51
	<hr/>
Discharged . . . . .	60
	49
	<hr/>
Remaining January 31, 1895 . . . . .	<u>11</u>

Of the above, 6 died during the year.

*Causes for discharge :*

Expired sentence . . . . .	5,897
Pardoned, probation . . . . .	1,361
Fine paid . . . . .	1,309
Died . . . . .	40
Escaped . . . . .	12
Sent here by error of court . . . . .	4
Bailed . . . . .	4
By order of court . . . . .	2
Pardoned by Governor . . . . .	1
By error . . . . .	1
	<hr/>
Total . . . . .	<u>8,631</u>

*Offences for which committed :*

Drunkenness . . . . .	6,598
Larceny . . . . .	520
Assault and battery . . . . .	499
Fornication . . . . .	205
Vagrant . . . . .	168
Idle and disorderly . . . . .	145
Walking on railroad track . . . . .	98
Common night-walker . . . . .	70
Breaking glass . . . . .	41

Obstructing sidewalk . . . . .	40
Disturbing the peace . . . . .	39
Trespass . . . . .	29
Keeping intoxicating liquor for sale . . . . .	24
Larceny from person . . . . .	21
Noisy and disorderly house . . . . .	20
Unlawful appropriation . . . . .	18
Profanity . . . . .	15
Non-support . . . . .	15
Lying on the grass in a public ground . . . . .	15
Assault . . . . .	12
Malicious injury to personal property . . . . .	12
Embezzlement . . . . .	9
Peddling without license . . . . .	9
Common railer and brawler . . . . .	6
Attempt at larceny . . . . .	6
Threats . . . . .	5
Throwing missiles in the street . . . . .	5
Receiving stolen goods . . . . .	5
Affray . . . . .	5
Indecent exposure . . . . .	4
Vagabond . . . . .	4
Disturbing a religious meeting . . . . .	4
Throwing snow-balls in the street . . . . .	4
Indecent assault . . . . .	4
Common drunkard . . . . .	3
Cruelty to animals . . . . .	3
Loitering in railroad station . . . . .	3
Obtaining goods by false pretences . . . . .	3
Stubborn child . . . . .	2
Tramp . . . . .	2
Common beggar . . . . .	2
Fraudulently conveying property . . . . .	2
Violating city ordinance . . . . .	2
Building a bonfire in street . . . . .	2
Refusing to assist an officer . . . . .	2
Taking and driving away a horse . . . . .	2
Discharging fire-arms in street . . . . .	2
Evading car-fare . . . . .	2
Fraudulently concealing property . . . . .	2
Giving liquor to a prisoner . . . . .	2
Obtaining money by false pretences . . . . .	1
Violation of milk law . . . . .	1
Assuming to be an officer . . . . .	1
Fast driving . . . . .	1
Playing ball in street . . . . .	1
Obscenity . . . . .	1

Maintaining a sign overhanging a public street . . . . .	1
Lewd and lascivious . . . . .	1
Unlawfully playing hand-organ in street . . . . .	1
Being present where gaming implements were found, . . . . .	1
Gaming in public street . . . . .	1
Keeping an unlicensed dog . . . . .	1
False pretences . . . . .	1
Refusing to obey Harbor Master . . . . .	1
Extinguishing street lamp . . . . .	1
Adultery . . . . .	1
Gaming on Lord's day . . . . .	1
Attempt to rescue prisoner . . . . .	1
Total . . . . .	<u>8,728</u>

Of the above, there were returned from probation 69 men and 25 women.

*Sentences of those committed:*

Non-payment of fines . . . . .	4,252
10 days . . . . .	39
15 " . . . . .	74
20 " . . . . .	1
30 " . . . . .	34
41 " . . . . .	1
60 " . . . . .	5
90 " . . . . .	3
117 " . . . . .	1
502 " . . . . .	1
Returned from probation . . . . .	94
1 month . . . . .	378
2 months . . . . .	635
3 " . . . . .	1,180
4 " . . . . .	640
5 " . . . . .	235
6 " . . . . .	824
7 " . . . . .	1
8 " . . . . .	44
9 " . . . . .	111
10 " . . . . .	14
12 " . . . . .	159
24 " . . . . .	2
Total . . . . .	<u>8,728</u>

Of the above, 3 men who had escaped were returned to serve the remainder of their sentences.



*Number of times persons committed for non-payment of fines and costs have been committed to the House of Industry:*

For the 1st time . . . . .	1,486
“ “ 2d “ . . . . .	492
“ “ 3d “ . . . . .	229
“ “ 4th “ . . . . .	148
“ “ 5th “ . . . . .	84
“ “ 6th “ . . . . .	69
“ “ 7th “ . . . . .	66
“ “ 8th “ . . . . .	48
“ “ 9th “ . . . . .	38
“ “ 10th “ . . . . .	36
“ “ 11th “ . . . . .	36
“ “ 12th “ . . . . .	33
“ “ 13th “ . . . . .	25
“ “ 14th “ . . . . .	15
“ “ 15th “ . . . . .	10
“ “ 16th “ . . . . .	13
“ “ 17th “ . . . . .	13
“ “ 18th “ . . . . .	10
“ “ 19th “ . . . . .	8
“ “ 20th “ . . . . .	6
“ “ 21st “ . . . . .	5
“ “ 22d “ . . . . .	7
“ “ 23d “ . . . . .	8
“ “ 24th “ . . . . .	8
“ “ 25th “ . . . . .	4
“ “ 26th “ . . . . .	3
“ “ 27th “ . . . . .	3
“ “ 28th “ . . . . .	4
“ “ 29th “ . . . . .	4
“ “ 30th “ . . . . .	4
“ “ 31st “ . . . . .	5
“ “ 32d “ . . . . .	1
“ “ 34th “ . . . . .	3
“ “ 35th “ . . . . .	1
“ “ 36th “ . . . . .	1
“ “ 37th “ . . . . .	1
“ “ 38th “ . . . . .	2
“ “ 39th “ . . . . .	3
“ “ 41st “ . . . . .	3
“ “ 42d “ . . . . .	1
“ “ 46th “ . . . . .	1
“ “ 53d “ . . . . .	1
“ “ 54th “ . . . . .	1



For the 58th time . . . . .	1
“ “ 61st “ . . . . .	1
“ “ 63d “ . . . . .	1
“ “ 70th “ . . . . .	1
“ “ 72d “ . . . . .	1
Total . . . . .	<u>2,944</u>

## HOUSE OF REFORMATION DEPARTMENT.

	Boys.
Remaining January 31, 1894 . . . . .	72
Committed . . . . .	48
	<u>120</u>
Discharged . . . . .	54
	<u>66</u>
<i>Offences for which committed:</i>	
Breaking and entering . . . . .	18
Larceny . . . . .	16
Stubborn child . . . . .	4
Breaking and entering, and larceny . . . . .	3
Larceny in building . . . . .	1
Larceny from person . . . . .	1
Idle and disorderly . . . . .	1
Vagrant . . . . .	1
Trespass . . . . .	1
Burning a freight-car . . . . .	1
Breaking and entering, and assault and battery . . . . .	1
Total . . . . .	<u>48</u>

Of the above, 1 boy was returned from probation.

*Sentences of those committed:*

Minority . . . . .	Boys. 48
--------------------	-------------

*Causes for Discharge:*

Pardoned . . . . .	Boys. 53
Died . . . . .	1
Total . . . . .	<u>54</u>

*Nativity of those committed:*

Boston . . . . .	28
Massachussetts . . . . .	5

Ireland . . . . .	3
Italy . . . . .	3
Washington, D. C. . . . .	1
Norway . . . . .	1
New York . . . . .	1
Russia . . . . .	1
England . . . . .	1
Pennsylvania . . . . .	1
Connecticut . . . . .	1
California . . . . .	1
Ohio . . . . .	1
 Total . . . . .	 <u>48</u>

*Ages of those committed:*

9 years . . . . .	2
10 " . . . . .	3
11 " . . . . .	5
12 " . . . . .	7
13 " . . . . .	9
14 " . . . . .	14
15 " . . . . .	4
16 " . . . . .	2
17 " . . . . .	2
 Total . . . . .	 <u>48</u>

TRUANT-SCHOOL DEPARTMENT.

	Boys.	Girls.	Total.
Remaining January 31, 1894 . . . . .	93	0	93
Committed . . . . .	68	1	69
	<hr/>	<hr/>	<hr/>
	161	1	162
Discharged . . . . .	144	1	145
	<hr/>	<hr/>	<hr/>
Remaining January 31, 1895 . . . . .	<u>17</u>	<u>0</u>	<u>17</u>

*Offences for which committed:*

	Boys.	Girls.	Total.
Truants . . . . .	57	1	58
Absentees . . . . .	11	0	11
	<hr/>	<hr/>	<hr/>
Total . . . . .	<u>68</u>	<u>1</u>	<u>69</u>

*Sentences of those committed:*

	Boys.	Girls.	Total.
1 month . . . . .	1	0	1
2 months . . . . .	1	0	1
3 " . . . . .	2	0	2
4 " . . . . .	19	1	20
5 " . . . . .	2	0	2
6 " . . . . .	12	0	12
7 " . . . . .	1	0	1
8 " . . . . .	1	0	1
12 " . . . . .	20	0	20
15 " . . . . .	1	0	1
24 " . . . . .	7	0	7
Returned from probation . . . . .	1	0	1
Total . . . . .	<u>68</u>	<u>1</u>	<u>69</u>

*Nativity of those committed:*

	Boys.	Girls.	Total.
Boston . . . . .	43	1	44
Italy . . . . .	4	0	4
England . . . . .	4	0	4
Russia . . . . .	4	0	4
Massachusetts . . . . .	3	0	3
Unknown . . . . .	3	0	3
Ireland . . . . .	2	0	2
Germany . . . . .	2	0	2
Poland . . . . .	1	0	1
Nova Scotia . . . . .	1	0	1
New York . . . . .	1	0	1
Total . . . . .	<u>68</u>	<u>1</u>	<u>69</u>

*Ages of those committed:*

	Boys.	Girls.	Total.
9 years . . . . .	5	0	5
10 " . . . . .	9	0	9
11 " . . . . .	13	0	13
12 " . . . . .	14	0	14
13 " . . . . .	23	1	24
14 " . . . . .	3	0	3
15 " . . . . .	1	0	1
	<u>68</u>	<u>1</u>	<u>69</u>

*Causes for discharge:*

	Boys.	Girls.	Total.
Expired sentence . . . . .	71	0	71
Pardoned . . . . .	73	1	74
Total . . . . .	<u>144</u>	<u>1</u>	<u>145</u>

*Total number for all departments:*

Largest, House of Industry . . . . .	1,634
“ House of Reformation . . . . .	78
“ Truant School . . . . .	94
“ Almshouse . . . . .	<u>21</u>
Smallest, House of Industry . . . . .	1,202
“ House of Reformation . . . . .	51
“ Truant School . . . . .	6
“ Almshouse . . . . .	<u>7</u>
Average, House of Industry . . . . .	1,450
“ House of Reformation . . . . .	62
“ Truant School . . . . .	56
“ Almshouse . . . . .	<u>14</u>
Total average . . . . .	<u>1,582</u>

Respectfully submitted,

JAMES R. GERRISH,  
*Superintendent.*

## CHAPLAIN'S REPORT.

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DEER ISLAND, January 31, 1895.

MR. JAMES R. GERRISH, *Superintendent of Deer Island Institutions:*

DEAR SIR: I beg to submit to you my annual report as the Chaplain and Superintendent of Schools and Director of Music. The religious services have been held and faithfully conducted on Sunday as usual. The congregations for the year have been unusually large, owing to an increased number at the House of Industry. It is probably true that many who attend our religious services have not been accustomed to do so while at liberty. It is hoped these exercises are attended with good results, and indeed we are led to expect this from expressions of sorrow and a purpose to reform.

Singing in our divine service is by the boys of the schools, and they sing well. In this part of our work, Miss Clara W. Baker, as organist, fills her position in a most acceptable manner.

Sabbath morning we conduct a Sunday school, assisted by Miss Baker and Miss Pike, who render valuable service. We furnish a weekly paper for the religious culture of the boys, and it is looked for with much pleasure. I hold divine services every other week at Rainsford and Long Islands Sunday morning. Also services through the week on the three islands, as may be required.

## LIBRARY.

The boys' department is well supplied with suitable books and papers adapted to their years. Friends have been very thoughtful and kind, and have sent us good reading matter. We select with care the literature for the boys. The library for the women is well furnished with suitable books, papers, and pamphlets. We received an ample supply of nice cards for Christmas and New Years. The chief source of our gifts of reading matter is the City Library and the Hospital Newspaper Society.

Let me say we are very much in need of a well-furnished library for the men of the House of Industry. We have eleven and sometimes twelve hundred men, most of whom are fond of reading. At present we are dependent upon

individual gifts, which is far from being sufficient, besides not always suitable literature. I wish an appropriation might be made for this very worthy object, which I think would prove helpful in our work of reform.

The annual examination of the schools took place June 27, 1894. Commissioners Dr. Thomas L. Jenks and Thomas H. Devlin, owing to the press of business, were unable to be present, and Commissioner Edwin L. Pilsbury was with us and conducted the examinations. He expressed his pleasure at their good exhibition. Mr. Pilsbury and his associates take a deep interest in the boys and their schooling.

The principal studies taught in these schools are reading, spelling, arithmetic, and geography; and every boy, as soon as possible, is made acquainted with these branches. The education of many of these boys is not what we could wish, but the improvement the past year is very encouraging. Each school is supplied with a master. Mr. Henry C. Twitchell is the teacher in the department of the House of Reformation. Mr. James S. Freeman is the master of the Truant School.

The schools are under the instruction of faithful teachers, who are doing good work. A pleasant feature of these schools is the good discipline, which is free from severity of punishment. The suggestions by the Commissioners for the future of these boys is very hopeful, when the truants will be taken to the new Parental Home and various industries established for the reformation boys.

Vocal music is taught mostly out of school hours. All the boys are gathered Saturday afternoon, in the chapel, for instruction by the Chaplain, assisted by Miss Baker. The choir-boys also meet for drill in singing for Sunday service.

The following tables show the number and classification of pupils at examination :

	Ref. Boys.	Truant.	Total.
Number in school . . . . .	66	94	160
Can read generally . . . . .	66	84	150
“ “ primary reader . . . . .	10	10	20
Study geography . . . . .	50	70	120
“ grammar . . . . .	13	8	21
“ penmanship . . . . .	66	85	151
“ history United States . . . . .	28	10	38
“ mental arithmetic . . . . .	53	45	98
“ written arithmetic . . . . .	43	42	85
“ compound numbers . . . . .	12	8	20
“ fractions . . . . .	16	30	46

	Ref. Boys.	Truant.	Total.
Study vocal music . . . . .	66	94	160
Could not read or write when com- mitted . . . . .	4	6	10

Allow me to acknowledge your kindly assistance in the various departments of my work.

W. B. TOULMIN,  
*Chaplain and Superintendent of Schools, and  
Director of Music.*

## REPORT OF RESIDENT PHYSICIAN.

JAMES R. GERRISH, Esq., *Superintendent of Deer Island Institutions:*

SIR: I herewith respectfully submit the annual report of the Medical Department of the Institutions under your supervision:

## ALMSHOUSE.

Patients remaining in Hospital, Feb. 1, 1894,		10
Admitted:		
Males . . . . .	145	
Females . . . . .	65	
	—	210
Total . . . . .		<u>220</u>
Discharged . . . . .	144	
Died . . . . .	19	
	—	213
Remaining in Hospital, Feb. 1, 1895 . . . . .		7
Total . . . . .		<u>220</u>
Largest number in Hospital at one time . . . . .		21
Smallest “ “ “ “ “ . . . . .		6
Daily average . . . . .		<u>14</u>

## HOUSE OF INDUSTRY.

Patients remaining in Hospital, Feb. 1, 1894,		86
Admitted:		
Males . . . . .	1,128	
Females . . . . .	714	
	—	1,842
Total . . . . .		<u>1,928</u>
Discharged . . . . .	1,804	
Died . . . . .	40	
	—	1,844
Remaining in Hospital, Feb. 1, 1895 . . . . .		84
Total . . . . .		<u>1,928</u>



PUBLIC INSTITUTIONS DEPARTMENT.

45

Largest number in Hospital at one time . . . . .	103
Smallest " " " " " . . . . .	44
Daily average . . . . .	<u>69</u>

HOUSE OF REFORMATION.

Patients remaining in Hospital, Feb. 1, 1894,	2
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Admitted:

Males . . . . .	45
Females . . . . .	0
	— 45
Total . . . . .	<u>47</u>

Discharged . . . . .	45
Died . . . . .	1
	— 46

Remaining in Hospital, Feb. 1, 1895 . . . . .	1
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Total . . . . .	<u>47</u>
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Largest number in Hospital at one time . . . . .	3
Smallest " " " " " . . . . .	0
Daily average . . . . .	<u>— 1</u>

TRUANT SCHOOL.

Patients remaining in Hospital, Feb. 1, 1894,	1
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Admitted:

Males . . . . .	24
Females . . . . .	0
	— 24
Total . . . . .	<u>25</u>

Discharged . . . . .	25
Died . . . . .	0
	— 25

Remaining in Hospital, Feb. 1, 1895 . . . . .	0
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Total . . . . .	<u>25</u>
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Largest number in Hospital at one time . . . . .	4
Smallest " " " " " . . . . .	0
Daily average . . . . .	<u>— 1</u>

## RECAPITULATION.

Number of patients in Hospital, Feb. 1, 1894 :	
Almshouse . . . . .	10
House of Industry . . . . .	86
House of Reformation . . . . .	2
Truant School . . . . .	1
	— 99
Admitted :	
Almshouse . . . . .	210
House of Industry . . . . .	1,842
House of Reformation . . . . .	45
Truant School . . . . .	24
	— 2,121
	<u>2,220</u>
Total . . . . .	
	<u>2,220</u>
Discharged :	
Almshouse . . . . .	194
House of Industry . . . . .	1,804
House of Reformation . . . . .	45
Truant School . . . . .	25
	— 2,068
Died :	
Almshouse . . . . .	19
House of Industry . . . . .	40
House of Reformation . . . . .	1
Truant School . . . . .	0
	— 60
Remaining in hospital February 1, 1895 :	
Almshouse . . . . .	7
House of Industry . . . . .	84
House of Reformation . . . . .	1
Truant School . . . . .	0
	— 92
	<u>92</u>
Total . . . . .	
	<u>2,220</u>
Largest number in hospital at one time . . . . .	115
Smallest “ “ “ “ “ . . . . .	60
Daily average . . . . .	83

Deaths not reported in the above tables, six children of prisoners and one suicidal drowning, a male inmate of almshouse.

DISEASES TREATED IN THE HOSPITALS OF ALL  
THE DEPARTMENTS.

*Classified according to the Nomenclature of Diseases, as published by the  
Royal College of Physicians of London.*

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.
		Admitted.	Well.	Improved.	Unimproved.	Died.	
<b>GENERAL DISEASES.</b>							
<b>A.</b>							
Typhoid fever.....		2	2	...	...	2	...
Febricula .....	1	52	53	...	...	53	...
Intermittent fever .....		4	...	3	1	4	...
Chronic malarial poisoning.....		16	...	12	...	12	4
Erysipelas .....	3	5	7	...	...	7	1
Varicella .....		8	8	...	...	8	...
Influenza .....	12	11	23	...	...	23	...
<b>B.</b>							
Muscular rheumatism.....		4	3	1	...	4	..
Articular rheumatism, acute .....	3	47	29	19	...	48	2
"          "          chronic .....		14	...	6	8	14	...
Phthisis.....	4	44	...	12	24	6	42
Anæmia .....		6	...	6	...	6	...
Opium habit .....		2	...	1	1	2	...

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.	
		Admitted.	Well.	Improved.	Unimproved.	Died.		Total.
Alcoholism .....	9	300	305	.....	.....	.....	305	4
"    (chronic).....	1	5	.....	4	.....	2	6	...
Delirium tremens.....	2	149	139	.....	.....	8	147	4
Scrofulosis .....	...	1	.....	1	.....	.....	1	...
General tuberculosis .....	...	3	.....	.....	2	.....	2	1
Observation .....	3	24	24	.....	.....	.....	24	3
Malingerer .....	...	21	21	.....	.....	.....	21	...
Marasmus .....	...	4	.....	.....	.....	4	4	...
General debility .....	4	88	73	13	.....	.....	86	6
Senile    "    .....	1	16	.....	.....	12	3	15	2
Diabetes mellitus.....	...	2	.....	.....	1	1	2	...
DISEASES OF NERVOUS SYSTEM.								
Apoplexy .....	...	2	.....	.....	.....	2	2	...
Paresis .....	...	3	.....	.....	3	.....	3	...
Paralysis .....	2	2	.....	.....	4	.....	4	...
Hysteria .....	...	2	.....	2	.....	.....	2	...
Epilepsy.....	...	30	.....	.....	25	4	29	1
"    (alcoholic).....	...	8	.....	8	.....	.....	8	...
Neuralgia.....	...	4	4	.....	.....	.....	4	...
"    (facial) .....	...	7	7	.....	.....	.....	7	...
Pleurodynia .....	2	18	20	.....	.....	.....	20	...
Lumbago .....	...	8	8	.....	.....	.....	8	...

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	
Cephalalgia .....		3	3				3
Vertigo .....		2		2			2
Neurasthenia .....		2		2			2
Sciatica .....		1		1			1
DISEASES OF INTELLECT.							
Insanity .....	3	67		64	1	65	3
Mania acute.....		2		2		2	
Melancholia.....	1	2		3		3	
Dementia.....	4	16		19		19	1
Insanity, alcoholic.....		6	4	2		6	
DISEASES OF CIRCULATORY SYSTEM.							
Functional disease of heart .....		3		3		3	
Valvular disease of heart.....		15		8	7	15	
“ “ “ “ (aortic).....		2					2
“ “ “ “ (mitral) .....		5		5		5	
DISEASES OF RESPIRATORY SYSTEM.							
Hæmoptysis.....		9	9				9
Bronchitis (acute) .....	5	83	69	11		80	8
“ (chronic) .....	1	6	2	5		7	
Asthma .....	1	19		17		17	3
Pneumonia.....	9	77	63		0	83	3
Broncho-pneumonia.....		1			1	1	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	Total.	
Pleurisy .....		2	2				2	
Empyema .....		3		1	1	1	3	
Laryngitis (acute).....		1	1				1	
Pertussis.....		4	4				4	
DISEASES OF FAUCES AND PALATE.								
Tonsillitis .....	1	56	55				55	2
“ (foll.).....		20	20				20	
Pharyngitis .....		9	8				8	1
“ (ulc.) .....		2		1			1	1
DISEASES OF DIGESTIVE SYSTEM.								
Gastritis .....		16	14				14	2
Gastralgia .....		4	3	1			4	
Gastro-enteritis.....		8	8				8	
Dysentery .....		5	5				5	
Diarrhœa .....	1	42	43				43	
“ chronic .....	1	4		5			5	
Constipation .....		13	13				13	
Cholera-morbus .....		87	87				87	
Intestinal colic .....		12	12				12	
Jaundice .....		3	3				3	
Indigestion.....		48	48				48	
Cirrhosis of liver .....		8		7	1		8	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	
Cholera-infantum .....		10	9		1	10	
DISEASES OF UNINARY SYSTEM.							
Bright's disease (chronic) .....		1					1
Cystitis .....	1	3	1	3		4	
Retention of urine .....		2		2		2	
DISEASES OF WOMEN.							
Engorged breast.....		2	2			2	
Retroversion .....		2		2		2	
Prolapsus uteri.....	1				1	1	
Endometritis .....		2		2		2	
Ovaritis .....		1	1			1	
Vaginitis (specific) .....		32	20	12		32	
Uterine fibroid .....		5		4		4	1
Dysmenorrhœa .....		2		1		1	1
Menorrhagia .....		5	5			5	
Metrorrhagia.....		2		1		1	1
Pregnancy .....	2	18	7	9		16	4
Abortion .....		2	1			1	1
DISEASES OF CUTANEOUS SYSTEM.							
Erythema.....		2	2			2	
Psoriasis .....		3		3		3	
Urticaria.....		2	2			2	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	
Eczema .....		7	5	2		7	
"    capitis .....		1	1			1	
Scabies .....	2	5	7			7	
Pediculi pubis.....		20	20			20	
<b>Surgical Diseases.</b>							
<b>VENEREAL.</b>							
Gonorrhœa.....		43	31	12		43	
Rhimosis .....		3	3			3	
Paraphimosis .....		1	1			1	
Bubo .....		10	9	1		10	
Chancre .....		3	3			3	
Chancroid .....		6	6			6	
Orchitis.....		5	3	2		5	
Stricture urethra .....		13	13			13	
Syphilis .....		3	3			3	
"    (secondary) .....		7	6			6	1
"    (tertiary).....	3	18	17	3		20	1
Venereal warts.....		4	4			4	
<b>INJURIES.</b>							
Burns .....		9	7			7	2
Man-bite.....		1	1			1	
Frost-bite .....		1					1



DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	
Multiple contusions.....		6	6			6	
Contusions .....	1	34	32			32	3
"    eye .....		8	8			8	
Lacerated wounds .....		8	8			8	
"    "    scalp .....	2	42	44			44	
"    "    face .....		5	5			5	
"    "    hand.....		7	7			7	
"    "    thumb .....		2	2			2	
"    "    wrist .....		2	1			1	1
"    "    arm .....		2	2			2	
"    "    eyelid .....		3	3			3	
"    "    throat.....		1	1			1	
"    "    foot.....		2	2			2	
Incised wounds.....		7	7			7	
Foreign body in foot.....		2	2			2	
"    "    "    hand.....		8	8			8	
Sprain of wrist.....		4	4			4	
"    "    thumb .....		3	3			3	
"    "    ankle .....		23	22			22	1
"    "    shoulder .....		1					1
Dislocation finger.....		1	1			1	
"    elbow .....		1	1			1	

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.
		Admitted.	Well.	Improved.	Unimproved.	Died.	
Dislocation elbow (with fracture) . . . . .	1	1				1	
"    shoulder . . . . .	2	2				2	
Fracture skull (base) . . . . .	1				1	1	
"    nose . . . . .	3	3				3	
"    inferior maxilla . . . . .	5	5				5	
"    clavicle . . . . .	2	2				2	
"    humerus . . . . .	2	2				2	
"    int. condyle . . . . .	2	2				2	
"    elbow (old) . . . . .	1		1			1	
"    fore-arm . . . . .	4	4				4	
"    radius collar . . . . .	1	3	4			4	
"    finger . . . . .	3	3				3	
"    ribs . . . . .	3	3				3	
"    hip (old) . . . . .	1			1		1	
"    leg " . . . . .	1			1		1	
"    ankle . . . . .	1					1	
"    fibula . . . . .	1	1				1	
UNCLASSIFIED.							
Cancer of tongue . . . . .	1				1	1	
Varicose veins . . . . .	5			5		5	
Necrosis tibia . . . . .	2			2		2	
"    nasal bone . . . . .	2			2		2	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	Total.	
Neerosis inferior maxilla.....		1	1				1	
Osteo myelitis (acute) .....		1				1	1	
Periostitis .....		1	1				1	
Hemorrhoids .....	1	23	4	12	8		24	
Fistula in ano .....		2		2			2	
Abscess.....		15	14				14	1
“ alveolar .....		17	17				17	
“ palmar .....		4	4				4	
“ wrist (tuberculosis) .....		1			1		1	
“ cervical .....		6	6				6	
“ axillary.....		9	8				8	1
“ vulva .....		3	3				3	
“ lip .....		1	1				1	
“ face .....		6	5				5	1
“ perineal .....		2	2				2	
“ mammary .....		4	4				4	
“ leg.....		3	3				3	
“ ischio-rectal.....	1	2	3				3	
Mastitis .....	1	1	2				2	
Varicose ulcers.....		9	2	7			9	
Ulcers.....	1	29	17	12			29	1
Hernia (ing.) .....	1	6			7		7	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				Total.	In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.		
Hernia (ing.) (double) .....		1			1	1		
“ (fem.).....		2			2	2		
“ (umbil.).....		2			1	1	1	
Furuncle .....		2	2			2		
Furunculosis .....		4	4			4		
Carbuncle .....		2	2			2		
Felon.....		4	4			4		
Hydrocele .....		2		2		2		
Bursitis.....		2		2		2		
Torticollis .....		1	1			1		
Cellulitis .....		9	9			9		
“ from vaccination .....	2	3	5			5		
Ingrowing toenail ... ..		1	1			1		
Fibroid of breast .....		2			1	1	1	
Synovitis .....	1	10	2	7	2	11		
Epistaxis .....		1	1			1		
Goitre .....	2				2	2		
Amputation of leg (old) .....		1			1	1		
DISEASES OF EYE.								
Conjunctivitis .....		22	22			22		
Corneal ulcer .....		1		1		1		
Foreign body in cornea .....		15	15			15		
Iritis .....		5	3	1		4	1	

DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.				Total.	In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.		
Blindness .....	...	2	.....		1	...	1	1
DISEASES OF EAR.								
Chronic inflammation middle ear.....	...	2	.....		2	...	2	...
Otorrhœa .....	1	9	4	5	.....	...	9	1
Total .....	99	2299	1714	278	249	65	2306	92

NOTE.—Some cases not admitted to the hospitals are included in this classification, which will account for the difference in the number of admissions between the above statistics and the preceding tables.

During the past year 1,928 inmates of the House of Industry have been admitted to the hospital and received treatment. Of this number 40 have died. There was one death at the House of Reformation. There have been 7 births—1 female and 6 males, 2 still-born. I would respectfully direct your attention to the need of window-screens for use in the hospital wards during the summer months. Drs. Lane and Brough are still associated with me. Dr. Geo. H. Sullivan, our interne, resigned August 15, to continue his medical studies abroad.

Thanking you for the many courtesies extended me, I am,

Very respectfully,

THOMAS F. ROCHE,  
*Resident Physician.*

DEER ISLAND, BOSTON HARBOR, Feb. 1, 1895.

## COUNTY OF SUFFOLK, HOUSE OF CORRECTION.

SOUTH BOSTON, February 1, 1895.

*To the Commissioners of Public Institutions:*

GENTLEMEN: The following report and statistics of Suffolk County House of Correction for the year ending January 31, 1895, are respectfully submitted.

The commitments during the year were 1,212 against 1,233 the year preceding, being 21 less, yet the average number has increased, being 656 against 604 for the year 1893-94, an increase of 52.

The total expenditures have slightly decreased. The receipts for labor also decreased, owing to the general depression in business. Our inmates were at times idle. It will be understood we work upon the piece-price plan, without guarantee from any party or parties of a supply of work to keep any number employed, but take such work as is from time to time offered. At present the outlook is favorable for the employment of all for whom we have shop-room. Our increased numbers exceed the capacity of the workshops; all, however, have some employment, although it may be slight, during the day, who are not assigned to the shops.

We trust, that our wants in the direction of more and better accommodations will, during the year 1895, be urged, so that we shall feel assured, that in the near future there will be a House of Correction suitable and worthy the County of Suffolk. As heretofore the same crowded condition exists, and there appears no reason to expect any less number of prisoners. On the contrary, we may expect more, especially so, as we have sent to us a portion of "drunks."

A very unusual mortality has occurred in our official force. First our venerable and esteemed chaplain, the Rev. Jonas Bowen Clark, who died February 12, 1894. Two officers and one clerk followed, joining the great majority.

The Rev. S. Stanley Searing succeeded Rev. Mr. Clark as chaplain.

The garden and orchard produced the usual amount of truck and fruit.

Fifteen thousand and sixty-eight pounds of pork was slaughtered.

No alterations or changes of consequence can be reported. The ordinary repairs required have been done, mostly by prisoners.

I would call your attention to tables of statistics which follow, also to reports of Dr. Bancroft, visiting physician, and Rev. S. Stanley Searing, chaplain.

With thanks to your honorable board and to all others who have contributed to what success we may have had, I am,

Very respectfully,

JOHN C. WHITON,

*Master.*

	Males.	Females.	Total.
Remaining January 31, 1894 . . . . .	631	71	702
Committed by courts . . . . .	1,032	164	1,196
Committed on revoked permit . . . . .	4	1	5
Transferred from other institutions . . . . .	6	3	9
Returned from lunatic hospitals . . . . .	2	0	2
	<hr/>	<hr/>	<hr/>
	1,675	239	1,914
Discharged . . . . .	1,088	163	1,251
	<hr/>	<hr/>	<hr/>
Remaining January 31, 1895 . . . . .	587	76	663
	<hr/>	<hr/>	<hr/>
Largest number during the year . . . . .			713
Smallest number during the year . . . . .			607
			<hr/>
Average number during the year :			
Males . . . . .			591.46
Females . . . . .			64.27
			<hr/>
Total average . . . . .			655.73

The record of weight of prisoners discharged during the year is as follows :

894 gained 7,642 lbs.; 257 lost 1,610 lbs.; 100 neither gain nor loss.

Actual average gain per prisoner discharged, 4 lbs. 13 oz.

*Causes for discharge:*

	Males.	Females.	Total.
Expired sentence . . . . .	874	116	990
Fines paid (amounting to \$1,728.00), By order of Municipal Court for non- payment of fine, after serving three months . . . . .	71	11	82
Pardoned by Governor . . . . .	38	16	54
Pardoned by Commissioners . . . . .	7	2	9
By order of Commissioners of Prisons	52	14	66
Transferred to other institutions . . . . .	6	0	6
Transferred to lunatic hospitals . . . . .	14	2	16
Sentenced to State prison by the Superior Court and removed there,	19	2	21
Died . . . . .	2	0	2
Bailed . . . . .	3	0	3
	2	0	2
	<hr/>	<hr/>	<hr/>
	1,088	163	1,251

*Offences for which committed:*

	Males.	Females.
Drunkenness . . . . .	275	84
Larceny . . . . .	264	23
Assault and battery . . . . .	94	4
Breaking and entering . . . . .	75	0
Larceny from the person . . . . .	36	1
Robbery . . . . .	18	0
Receiving stolen goods . . . . .	17	0
Idle and disorderly . . . . .	16	4
Adultery . . . . .	15	6
Assault . . . . .	15	0
Unlawfully exposing and keeping for sale intoxicating liquors . . . . .	13	6
Larceny in a building . . . . .	13	0
Attempt to break and enter . . . . .	12	0
Embezzlement . . . . .	12	0
Unlawfully selling intoxicating liquors . . . . .	11	11
Assault and battery on an officer . . . . .	9	2
Forgery . . . . .	8	1
Indecent exposure . . . . .	7	0
Non-support of wife and minor child . . . . .	7	0
Obtaining money and goods by false pre- tences . . . . .	6	0
Breaking glass . . . . .	6	0
Unnatural and lascivious act . . . . .	5	0
Attempted larceny from person . . . . .	5	0
Indecent assault and battery . . . . .	5	0



	Males.	Females.
Unlawful appropriation . . . . .	4	0
Larceny from a conveyance . . . . .	4	0
Assault with a dangerous weapon . . . . .	4	0
Assault and battery with a razor . . . . .	4	0
Assault with a loaded pistol . . . . .	4	0
Vagrancy . . . . .	3	1
Assault with intent to rob . . . . .	3	0
Disorderly in a public conveyance . . . . .	3	0
Polygamy . . . . .	3	0
Assault and battery with a knife . . . . .	3	0
Attempt to obtain money and property by false pretences . . . . .	3	0
Manslaughter . . . . .	2	1
Being a vagabond . . . . .	2	0
Common and notorious thief . . . . .	2	0
Disturbing the peace . . . . .	2	0
Attempt to rescue a prisoner . . . . .	2	0
Annoying passengers in a public conveyance	2	0
Lewd and lascivious cohabitation . . . . .	2	0
Larceny from a vessel . . . . .	2	0
Conspiracy to defraud . . . . .	2	0
Lewd, wanton and lascivious in his speech and behavior . . . . .	2	0
Fornication . . . . .	1	4
Keeping a noisy and disorderly house . . . . .	1	2
Assault with intent to rape . . . . .	1	0
Mischievous taking and driving a horse with- out owner's consent . . . . .	1	0
Malicious injury to real estate . . . . .	1	0
Conspiracy to cheat and defraud . . . . .	1	0
Keeping a house of ill-fame . . . . .	1	0
Common drunkard . . . . .	1	0
Being a tramp . . . . .	1	0
Having burglarious tools in his possession . . . . .	1	0
Threats to commit assault on a woman . . . . .	1	0
Violating a city ordinance . . . . .	1	0
Disturbing religious worship . . . . .	1	0
Cheating by false pretences . . . . .	1	0
Mutual assault and battery . . . . .	1	0
Peddling without license . . . . .	1	0
Burning a building . . . . .	1	0
Larceny from realty . . . . .	1	0
Unlawfully concealing property held under conditional contract . . . . .	1	0
Gambling . . . . .	1	0
Engaging in a game of chance . . . . .	1	0

	Males.	Females.
Trespass . . . . .	1	0
Fraudulently concealing mortgaged property,	1	0
Carrying concealed weapons . . . . .	1	0
Attempted larceny in a building . . . . .	1	0
Maintaining a liquor nuisance . . . . .	1	0
Threats to commit assault and battery . . . . .	1	0
Refusing to assist an officer . . . . .	1	0
Creating a disturbance in a public conveyance . . . . .	1	0
Malicious injury to personal property . . . . .	1	0
Common night-walker . . . . .	0	9
Keeping and maintaining a disorderly house,	0	2
Assault with a sharp instrument . . . . .	0	1
Unlawfully removing mortgaged property . . . . .	0	1
Common railer and brawler . . . . .	0	1
	<hr/>	<hr/>
	1,032	164

## SENTENCES.

	Males.	Females.
Fines . . . . .	213	34
Sureties . . . . .	3	0
30 days . . . . .	16	3
60 " . . . . .	16	2
1 month . . . . .	8	4
2 months . . . . .	31	10
3 " . . . . .	135	26
4 " . . . . .	77	9
5 " . . . . .	7	3
6 " . . . . .	167	40
7 " . . . . .	0	2
8 " . . . . .	24	3
9 " . . . . .	30	7
10 " . . . . .	11	0
11 " . . . . .	1	1
12 " . . . . .	126	18
13 " . . . . .	0	1
14 " . . . . .	2	0
15 " . . . . .	14	0
16 " . . . . .	2	0
17 " . . . . .	1	0
18 " . . . . .	36	0
21 " . . . . .	1	0
24 " . . . . .	54	0
25 " . . . . .	1	0
29 " . . . . .	1	0

	Males.	Females.
30 months . . . . .	16	0
31 " . . . . .	2	0
36 " . . . . .	21	0
42 " . . . . .	5	0
48 " . . . . .	11	0
20 years . . . . .	0	1
	<hr/>	<hr/>
	1,032	164

## AGE OF PRISONERS COMMITTED.

	Males.	Females.
20 years and under . . . . .	73	2
20 to 30 years . . . . .	444	60
30 " 40 " . . . . .	304	50
40 " 50 " . . . . .	138	30
50 " 60 " . . . . .	56	14
60 " 70 " . . . . .	11	8
70 " 80 " . . . . .	6	0
	<hr/>	<hr/>
	1,032	164

## NUMBER OF TIMES COMMITTED TO THIS INSTITUTION.

	Males.	Females.
First . . . . .	700	122
Second . . . . .	133	25
Third . . . . .	62	7
Fourth . . . . .	40	3
Fifth . . . . .	22	3
Sixth . . . . .	19	2
Seventh . . . . .	13	0
Eighth . . . . .	7	2
Ninth . . . . .	5	0
Tenth . . . . .	6	0
Eleventh . . . . .	4	0
Twelfth . . . . .	6	0
Thirteenth . . . . .	2	0
Fourteenth . . . . .	2	0
Fifteenth . . . . .	1	0
Sixteenth . . . . .	2	0
Nineteenth . . . . .	1	0
Twentieth . . . . .	2	0
Twenty-first . . . . .	2	0
Twenty-ninth . . . . .	1	0
Thirty-third . . . . .	1	0
Thirty-fourth . . . . .	1	0
	<hr/>	<hr/>
	1,032	164

*Nativity:*

Massachusetts . . . . .	500
New York . . . . .	45
Maine . . . . .	43
New Hampshire . . . . .	22
Rhode Island . . . . .	18
Pennsylvania . . . . .	12
Connecticut . . . . .	10
Virginia . . . . .	10
District Columbia . . . . .	8
North Carolina . . . . .	7
New Jersey . . . . .	7
Illinois . . . . .	7
California . . . . .	6
Maryland . . . . .	6
Vermont . . . . .	5
South Carolina . . . . .	4
Ohio . . . . .	4
Kentucky . . . . .	3
Georgia . . . . .	3
Indiana . . . . .	2
Missouri . . . . .	2
Louisiana . . . . .	2
Iowa . . . . .	1
Michigan . . . . .	1
Tennessee . . . . .	1
Mississippi . . . . .	1
Minnesota . . . . .	1
Born at sea . . . . .	1
<hr/>	
Natives of United States . . . . .	732
Ireland . . . . .	234
Provinces . . . . .	66
England . . . . .	36
Italy . . . . .	34
Scotland . . . . .	20
Canada . . . . .	18
Russia . . . . .	11
Germany . . . . .	9
Sweden . . . . .	9
France . . . . .	6
Poland . . . . .	6
Newfoundland . . . . .	5
West Indies . . . . .	3
Austria . . . . .	2
Norway . . . . .	1

Belgium . . . . .	1
Western Islands . . . . .	1
Hungary . . . . .	1
East Indies . . . . .	1
	<hr/>
	1,196

*Number committed from each court:*

Municipal Criminal Court . . . . .	418
Superior " " . . . . .	376
Chelsea Police Court . . . . .	274
South Boston District Court . . . . .	74
Roxbury " " . . . . .	25
East Boston " " . . . . .	15
Dorchester " " . . . . .	10
Brighton " " . . . . .	2
Charlestown " " . . . . .	1
West Roxbury District Court . . . . .	1
	<hr/>
	1,196

*Number committed and discharged during the year:*

COMMITTED.			DISCHARGED.			
Males.	Females.	Total.	1894.	Males.	Females.	Total.
106	7	113	February	96	13	109
81	7	88	March	99	16	115
68	13	81	April	80	15	95
86	16	102	May	105	9	114
93	12	105	June	91	12	103
73	14	87	July	97	19	116
61	12	73	August	94	18	112
107	31	138	September	73	12	85
88	18	106	October	80	12	92
95	14	109	November	77	13	90
94	16	110	December	92	11	103
			1895.			
92	8	100	January	104	13	117
<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>
1,044	168	1,212		1,088	163	1,251
<hr/>	<hr/>	<hr/>		<hr/>	<hr/>	<hr/>

*Whole number committed during the year:*

Males	.	.	.	.	.	.	.	.	1,032
Females	.	.	.	.	.	.	.	.	164
Adults	.	.	.	.	.	.	.	.	1,118
Minors	.	.	.	.	.	.	.	.	78
White	.	.	.	.	.	.	.	.	1,118
Colored	.	.	.	.	.	.	.	.	78

*Miscellaneous:*

Married	.	.	.	.	.	.	.	.	539
Persons who cannot read or write	.	.	.	.	.	.	.	.	127
Persons who can read but not write	.	.	.	.	.	.	.	.	20
Persons born in Massachusetts who cannot read or write	.	.	.	.	.	.	.	.	6

Respectfully submitted,

JOHN C. WHITON,

*Master.*

## PHYSICIAN'S REPORT.

BOSTON, January 31, 1895.

TO COL. JOHN C. WHITON, *Master of the House of Correction:*

SIR: I have the honor to submit the following report of the Medical Department of this institution for the year ending January 31, 1895:

Patients remaining in hospital February 1, 1894 . . . . .	22
Number admitted since . . . . .	212
Total number treated in hospital February 1, 1894, to January 31, 1895, inclusive . . . . .	234
Number discharged . . . . .	216
“ died . . . . .	3
Remaining in hospital January 31, 1895 . . . . .	15

The following list gives the diseases and the number of times patients have been treated in the hospital:

## MEDICAL.

Alcoholism . . . . .	34	Malingerer . . . . .	5
Angina . . . . .	2	Menorrhagia . . . . .	1
Appendicitis . . . . .	1	Nephritis . . . . .	1
Bronchitis . . . . .	3	Neuralgia . . . . .	1
Diarrhœa . . . . .	9	Nostalgia . . . . .	2
Dyspepsia . . . . .	2	Observation . . . . .	11
Eczema . . . . .	2	Œdema of lung . . . . .	1
Epilepsy . . . . .	5	Opium habit . . . . .	3
Irritable heart . . . . .	6	Phthisis . . . . .	16
Hemorrhage, pulmonary, . . . . .	2	Pleurisy . . . . .	1
Hypochondria . . . . .	6	Rheumatism . . . . .	22
Influenza . . . . .	7	Scrofula . . . . .	2
Lunatic . . . . .	21		—
Malaria . . . . .	6		172

## SURGICAL.

Abscess . . . . .	8	Orchitis . . . . .	1
Adinitis . . . . .	1	Otitis . . . . .	1
Bruise . . . . .	2	Piles . . . . .	2
Burn . . . . .	1	Scald . . . . .	1
Cancer . . . . .	1	Sprain . . . . .	3
Caries . . . . .	2	Stricture . . . . .	1
Conjunctivitis . . . . .	1	Syphilis . . . . .	1
Dislocation (collar bone),	1	Tonsilitis . . . . .	13
Gonorrhœa . . . . .	1	Tumor (of eye-ball) . . . . .	1
Inflamed jaw . . . . .	3	Ulcer . . . . .	4
Iritis . . . . .	4	Wound . . . . .	1
Laryngitis . . . . .	1		—
Ophthalmia . . . . .	7	Total . . . . .	62

Three men have died during the year, — one from cerebral hemorrhage, one from œdema of the lung, and one from pulmonary phthisis.

Nineteen men and two women have been adjudged to be insane, and have been transferred to hospitals for the insane.

Respectfully,

W. B. BANCROFT,  
*Physician.*



## CHAPLAIN'S REPORT.

SOUTH BOSTON, February 1, 1895.

COL. JOHN C. WHITON, *Master of the House of Correction*:

SIR: As chaplain and librarian of the institution under your charge, I have the honor to submit the following report for the year ending January 31, 1895:

## STATISTICS.

The following is an abbreviated statement of donations made to the library during the year:

Inmates' donation . . . . .	Vols.	820
Chaplain's " . . . . .	"	45
St. Andrew's Brotherhood . . . . .	"	48
Mrs. C. E. Hutchison . . . . .	"	17
Mrs. E. Howard . . . . .	"	31
Mrs. T. W. Wieland . . . . .	"	14
Number of books rebound . . . . .	"	332
Periodicals received . . . . .	"	1,115
Books destroyed . . . . .	"	1,253

Friends have sent books to the chaplain's residence, for the library, in such small quantities and anonymously so that these donations are included in the second item. It was the earnest desire of my predecessor that there might be a better library system, and it is my own most earnest wish. Just so long as the present library system prevails there will be no way to check the destruction of volumes of books that might reach a majority of the inmates were it not that they were so marked and defaced by the few who have the first reading as to make their final destruction a moral necessity. I judge there are, approximately, three thousand volumes on the shelves and in circulation. With an improved library system, and with an annual appropriation for the purchase of new books, I believe that much more effective work might be done in improving the moral tone of the inmates. Preaching and praying are good, but they should be supplemented by good books that will appeal to the consciences and the lives of the readers.

## CHAPEL SERVICES.

The services have been held every Sunday afternoon since my appointment (June, 1894). During an absence of two Sundays the chaplain provided a substitute. We have had a number of visiting preachers during the year who have spoken words of helpfulness and hopefulness, and we all have felt the utmost gratitude for what they have said as well as for their kindness in coming. The chaplain hopes that during the coming year he may be able to secure the assistance of ministers of various religious bodies, so that the services may be helpful to all who attend them. The chaplain wishes to thank the management for helping him in many ways towards accomplishing the work he has had to do.

Respectfully submitted,

S. STANLEY SEARING,

*Chaplain.*

## REPORT OF SUPERINTENDENT OF THE BOSTON LUNATIC HOSPITAL.

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*To the Commissioners of Public Institutions:*

GENTLEMEN: The fifty-sixth report of the Boston Lunatic Hospital for the year ending January 31, 1895, is respectfully presented.

By reference to the first table of statistics, the movement of population for the calendar year of 1894 will be seen. As there has been no enlargement of our accommodations, no great increase in number will be noticed. We have only received patients when vacancies have occurred by reason of discharges or deaths. The number of city cases committed to all hospitals in 1894 was about 400, and we therefore received one-fourth of them; the others were sent as usual to the State hospitals.

In selecting the cases to be committed here, those most excited, violent, or dangerous, or those most exhausted by reason of old age or disease, were chosen on account of the difficulty of transportation to a distant hospital. We have for years, by a natural process of selection, received the worst of the city cases. It is only by great care and constant vigilance that we have been able to make this old hospital serve the purpose of a receptacle for recent and acute cases. It is to the attendants in immediate charge of the patients that great credit is due for their faithfulness under great discouragement. They are constantly changing, it is true, for it is not in human nature to endure the strain of such service many months continuously. One female patient is so exacting in her demands on their time and strength and so irritating in her language and conduct as to have caused the resignation of at least a dozen nurses in the last three years.

Considering the entire absence of suitable facilities for treatment, it is satisfactory to note that the rate of recovery is 20 per cent. and the death rate less than 8 per cent. These are about the normal percentages for the State hospitals and asylums. It is also worthy of note that we have had so few serious accidents, suicides, and elopements in the past history of this hospital as compared with others in and out of the State. We have had only four suicides in fifteen years. This result has not been reached by excessive

restraint, as that has seldom been more than two or three per cent., but by care in classification and in the use of associated dormitories. Four suicides for a single year is not an unusual record for a large public hospital. A recent homicide in this State has called public attention to the practice of putting two insane patients together in the same room. This has been forced on the State hospitals by a doubling of their numbers, but has never been allowed here for a single night.

In May, by permission of your Board, I attended the semi-centennial meeting of the American Medico-Psychological Association at Philadelphia. To me was assigned the pleasing task of making appropriate reference to the "New England Alienists of the Past Half Century." After mentioning Doctors Woodward, Ray, Bell, Earle, Jarvis, and Tyler, allusion to this hospital was made as follows:

"In 1839 the Boston Lunatic Hospital was opened to relieve the Worcester Hospital of its city cases. Dr. Butler was its first superintendent. He was, like Dr. Woodward, a man of modern ideas with reference to insanity and its treatment. He regarded employment, amusement, and moral management as essentials, and discouraged the use of restraint. He found a number of the worst cases at the neighboring almshouse permanently confined in wooden cages. As a specially humane feature of their treatment, these cages were put on wheels, and in fine weather were drawn out of doors. Dr. Butler released all these poor creatures, and he often told me of one woman, especially dangerous and maniacal, whom he won by presenting her a dandelion. She was soon restored to comparative sanity and good conduct.

"In 1887 I had the pleasure of introducing him to one of his original patients, who for forty-eight years continuously had resided in the same hospital in comfort and contentment. Dr. Butler was appointed superintendent of the Hartford Retreat in 1843, and served thirty years. He converted the dreary, cold, dark, and forbidding walls, the narrow passageways, and the comfortless rooms and dormitories of 1843, into an institution well nigh perfect in its appointments. He had a hobby, which we might all ride to advantage, in the individualized treatment of the insane.

"Dr. Stedman was the second superintendent and served nine years. He was educated at Yale and Harvard, and for ten years was surgeon to the Marine Hospital. After 1851 he was surgeon at the City Hospital. He first introduced the use of associated dormitories for the insane. The addition to the hospital in 1846 for one hundred and twenty

beds was all in dormitories. During his term of service severe epidemics of cholera, ship-fever, and malignant dysentery occurred, but he was well fitted by experience and education to cope with them. Dr. Curwen says: 'Few men had greater opportunities for observing disease than he, and he improved them with great earnestness. He educated many students before the days of medical schools in Boston.'

"Dr. Walker took his degree in medicine at Harvard. He then became an assistant at the South Boston city institutions. In 1847 and 1849, when cholera and ship-fever prevailed, he volunteered with Dr. Upham to assist in the 'fever sheds' at Deer Island. He was appointed superintendent of the Boston Lunatic Hospital in 1851, and retained the position thirty years.

"He at once gave up the use of stone cells for excited cases, diminished restraint, and improved the hospital in many ways. After many years of effort the city government bought a site for a new hospital. Plans were made and money appropriated, but the project was unexpectedly killed by the mayor's veto. Dr. Edward Everett Hale said of him, after his death, in 1883: 'He was the personal friend of all his patients, and brought to the miracle of cure the only power which can effect it — the loving sympathy of the physician. He fairly commanded his broken patients by what we choose to call the magnetic power of his personal care. Behind all the resources of medicine he had this requisite for victory, that he made them believe they would get well.'"

A *résumé* of the life-work of Doctors Bancroft, Draper, Sawyer, Goldsmith, and many other recently deceased members was given, and I added in conclusion:

"Of living New England alienists it is not my province to speak. They are all young men, or of middle age, and belong to the new era of psychiatry. They work under the inspiration and by the light of the new psychology. They are all working to perfect their hospitals, public or private; to build new ones, or to improve their methods of treatment. May it be long before any of them need a biographer. Outside the hospitals, but interested either in the practical or theoretical side of our specialty, are such men as Hall, Donaldson, Hodge, Bowditch, Councilman, James, Royce, Munsterberg, Folsom, Jelly, Prince, Putnam, and Knapp.

"The new school is less absorbed in hospital routine, is broader and more scientific than the old. As proof of this proposition I would cite the fact that clinical and didactic instruction on insanity are given in all our New England

medical colleges, and have been made requisites for graduation at Harvard. Laboratories for experimental psychology have been established at Harvard and Clarke Universities. As further evidence, take the four training-schools for nurses of the insane, first established at the McLean Asylum; also, the pathological laboratory there, and the work of Dr. Gannett at the Boston Lunatic Hospital. Also the fact that in Massachusetts there are now in process of erection a chronic asylum for the State, a municipal hospital for Boston, and a private hospital for the McLean Asylum. These are all on the segregate plan, and it is believed each will be the best of its kind in this country at least.

"Another proof of the scientific spirit is the fact that the Boston Medico-Psychological Society not only includes nearly all the alienists of New England, but all the neurologists as well. It is a large and flourishing society, with monthly meetings for the reading of papers, and subscribes for a long list of special journals in several languages. It also invites distinguished specialists from distant cities to read before it, and to meet the physicians and surgeons connected with our hospitals and colleges socially. The last reader was the superintendent of the Johns Hopkins Hospital, your honored secretary.

"The same spirit of progress has happily infected our larger society, once limited to superintendents alone, and naturally most interested in the practical side of hospital management. Now any physician sufficiently qualified and interested may be elected to our number, any unqualified superintendent may be kept out, being no longer a member *ex officio*. Two-thirds of our fellows are already assistant physicians, so that young blood and new ideas ought hereafter to visibly affect our transactions."

At the meeting in Philadelphia, Dr. S. Weir Mitchell was invited to address the association, and in a friendly way present his familiar criticisms of hospitals for the insane. On my motion he was made an honorary member. Doctor Mitchell would only send patients to such an hospital as a last resort, preferring home treatment or the boarding out of patients in the families of physicians. His ideal hospital would have managing and visiting boards which should visit and inspect in a thorough and intelligent manner and not in the common perfunctory way. He would have a consulting board of medical specialists. The medical staff should be numerous and well paid, men of high scientific attainments, neurologists as well as alienists, and not mere farmers, stewards, or custodians.

He would have an administration building with all the

newest conveniences and appliances in the way of books, apparatus, laboratories, and dispensaries for scientific research and treatment. Also elaborate baths, gymnasiums, electric apparatus, amusement halls, and workshops. The nurses should be trained, uniformed, skilled in massage, numerous, well paid, and well housed. The reception-ward for recent cases should have all the facilities for treatment found in first-class general hospitals. Each patient, on admission, should be under constant observation night and day for three days by an assistant physician of his or her own sex. The other wards should be small cottages for ten or less scattered among trees and shrubbery, over extensive grounds, and homelike without and within.

Dr. Walter Channing, in a very sensible review of Doctor Mitchell's eloquent address, remarks that "This ideal hospital would require an ideal bank account." No fault can be found with it as a standard for any wealthy private hospital like the McLean Asylum. The picture is a familiar one and presents an ideal towards which many superintendents have been striving for years. The question of expense will prevent most of his recommendations from being adopted by public insane hospitals. Doctor Mitchell overrates the probable results of such treatment as tending to increase recoveries and diminish deaths. The indifference of the very demented to their surroundings would detract from the value of such treatment as applied to them; still, most hospitals might go a long way in the direction of improved treatment without unreasonable expenditure. The natural tendency is towards a lower standard.

The chief harm of Doctor Mitchell's opinions will be to create distrust of existing hospitals and indifference to the establishment of new ones. Governing bodies may act on the principle that if an ideal hospital is unattainable by reason of its expense, they will do without any. This would be bad logic, but it might serve as an excuse for procrastination. Another evil may result in the discouragement of early commitments. It has always been the unanimous opinion of superintendents that early treatment was of vital importance in insanity. They all know that home treatment is little better than no treatment in most cases.

Insane hospitals are all handicapped by this tendency to use them only as places of detention after all other means of control have failed. They are also prevented from doing their best work by reason of universal overcrowding. Most complaints and criticisms of them arise from this evil. No state or city builds hospitals fast enough to accommodate all their insane. The usual way is to wait until existing hos-

pitals, asylums, and almshouses are filled with insane patients from basement to attic. Then it requires a fire or an accident to call public attention to this state of things. Officers are subjected to unfair criticism, and newspapers exaggerate matters in the effort to interest the public. It may even require a formal investigation to find out what had long been known or that could be seen at a glance, viz., the need of more room.

A year or two is then spent in getting an appropriation and making plans, and several years more in building the hospital. Meanwhile, a second accumulation of patients is found to exist to be provided for. Hospitals are thus never free from overcrowding, and never fulfil their legitimate purpose. There seems to be a prevalent delusion that increase of population will not be accompanied by an increase of insanity.

I think, Dr. Mitchell underrates the amount of scientific work done in hospitals for the insane. The papers read at the meeting in Philadelphia would go far to contradict him. The Board of Lunacy and Charity of this state have sent out circular letters of inquiry on this subject, and I hope it will be shown that the medical officers of hospitals in this vicinity have done all that could be expected of them. The Board will also recommend the appointment of a state pathologist in connection with either the Worcester or Danvers Hospital. I think a pathological assistant for each large hospital desirable also. His whole time need not be given to pathological work. Thorough and prolonged clinical observation of any case is equally important and a necessary preliminary to pathological study. He should be well prepared for his position, paid more than an ordinary assistant, and work in coöperation with the state pathologist. A small pathological laboratory should be the adjunct of every mortuary, and need not be very expensive.

In July, 100 excited and untidy chronic patients were removed from South Boston to the new detached wards at Austin Farm. There were 50 of each sex, and they relieved our lower and middle wards here of a class of patients which had long been a source of discomfort and positive injury to the quiet and convalescent patients. The harmful sights and sounds and odors of our lower wards no longer offend the senses of patients above them. These wards have been unoccupied and closed since the removal. Our attics have been still longer disused. We have four wards in use with 120 patients, mostly recent cases, either curable or feeble, and needing much nursing. Most of these will be removed to Pierce Farm when that hospital is opened.



The advantage to the 100 patients removed is as great as to those who remain. Distributed in the large and numerous single rooms, dormitories, day-rooms and wards of the new buildings, they seem lost. They no longer irritate each other by undue proximity, and they are much quieter. The rooms are not only numerous, but high, light, warm, and airy. Narrow and gloomy corridors have given way to rooms flooded with sunlight, with a pleasant prospect in every direction. The surroundings of these wards for our worst patients are of the pleasantest kind, and more attractive than at Pierce Farm. Lavatories are numerous and convenient, and the air is no longer malodorous. Restraint and seclusion has diminished since their removal. With single rooms for all noisy cases, sleep is possible to the quiet ones.

The chapel, amusement-hall and dining-room building was dedicated to one of its uses by a party, April 19. Another dancing party was given January 10. It was used as a dining-room first, in July, for 100 men and 150 women. They are separated at meals by movable screens, six feet high. These and the tables can easily be removed into the connecting corridors, and a high, light and beautiful amusement-hall provided, 50 feet wide and 90 feet long.

We have had no regular religious services since the death of our chaplain, Rev. Jonas B. Clarke, a year ago. Rev. Andrew Gray officiated a few times last spring. Our patients here have had the privilege of attending both Protestant and Catholic services at the House of Correction chapel. They have also been invited to all the holiday entertainments there, for which we are greatly indebted to Col. John C. Whiton. The clergy of the Gate of Heaven church have been very kind in answering calls to attend the sick and dying. I hope we may have regular services of both kinds after our removal.

The new kitchen, which was completed in July, will serve 500 patients and officers, and is under the dining-room. The old kitchen and disused dining-rooms have not yet been furnished for patients' use. They will accommodate twenty men and ten women, and will increase the number at Austin Farm to 380. The bakery was opened in the fall, and the new laundry also. The latter has all the most modern machinery, including a large steam-drum or disinfector, and is a model for convenience in the arrangement of its rooms. The boilers and engine, and the complicated heating apparatus, are in the hands of two day and one night engineers. It is hoped that a dynamo may be put in this year.

Three buildings of the hospital group at Pierce Farm are

finished, and will soon be furnished and occupied. The group is still headless, however, lacking an administration building. Money should be appropriated for it, and ground broken without a week's delay. It will be necessary to occupy the domestic building as a substitute until the administration building is finished.

The grading has been nearly completed, and a service road constructed from Canterbury street to the rear of the group. The semi-circular driveway on Walk Hill street is the key to the proper location of all the paths, lawns, beds, trees, and shrubbery. Much work must be done this season, and unless this most important and central building of the group is definitely provided for early in February, another year will be lost.

Allow me to thank your Board for their continued active interest in the affairs of this hospital, and also for a long vacation last summer.

Very respectfully,

THEO. W. FISHER,

*Superintendent.*

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FARM PRODUCTS AT AUSTIN AND PIERCE FARMS.

Apples, fall . . . . .	56	bushels.
Apples, winter . . . . .	98	barrels.
Apples, winter, Bolles' place . . . . .	44	"
Beans, shell . . . . .	37	bushels.
Beans, string . . . . .	44½	"
Beans, Lima . . . . .	4½	"
Beef . . . . .	1,814	lbs.
Beets . . . . .	201	bushels.
Beet greens . . . . .	108	"
Beets (mangel-wurzel) . . . . .	565	"
Cabbages . . . . .	6,133	heads.
Calves sold . . . . .	21	
Cauliflowers . . . . .	1,800	heads.
Carrots . . . . .	152	bushels.
Celery . . . . .	936	heads.
Corn, green . . . . .	425	baskets.
Cucumbers . . . . .	3,034	
Currants . . . . .	120	boxes.
Dandelions . . . . .	58	bushels.
Eggs . . . . .	592½	dozen.
Green fodder . . . . .	85	tons.
Hay, Austin Farm . . . . .	62	"

Hay, Pierce Farm . . . . .	35	tons.
Hay, Bolles' place . . . . .	3	"
Hay, bedding . . . . .	25	"
Ice . . . . .	290	"
Lettuce . . . . .	2,500	heads.
Melons, musk . . . . .	1,272	
Milk . . . . .	9,933	cans.
Onions . . . . .	51½	bushels.
Parsnips . . . . .	220	"
Pears . . . . .	32½	"
Peas . . . . .	37	"
Pigs sold . . . . .	60	
Pork . . . . .	17,054	lbs.
Potatoes . . . . .	72	bushels.
Poultry . . . . .	103	lbs.
Pumpkins . . . . .	2,500	"
Raspberries . . . . .	32	boxes.
Rhubarb . . . . .	1,439	lbs.
Salsify . . . . .	35	bushels.
Spinach . . . . .	16	"
Squash . . . . .	6,820	lbs.
Strawberries . . . . .	410	boxes.
Tomatoes . . . . .	71	bushels.
Tomatoes, green . . . . .	30	"
Turnips . . . . .	300	"
Turnips, ruta-baga . . . . .	156	"

1. GENERAL STATISTICS FOR THE YEAR ENDING JANUARY  
31, 1895.

	Males.	F'males.	Total.
Patients in Hospital January 31, 1894 .....	211	246	457
Admitted within the year.....	40	68	108
Emergency.....	10	17	27
Voluntary .....	1	.....	1
Committed .....	29	51	80
Whole number of cases.....	251	314	565
Discharged within the year .....	52	49	101
Emergency and State cases transferred .....	4	8	12
Recovered .....	8	14	22
Much improved.....	2	6	8
Improved .....	.....	2	2
Not improved .....	7	6	13
Deaths .....	31	13	44
Patients remaining in Hospital January 31, 1895..	199	265	464
Patients remaining at South Boston.....	53	65	118
Patients remaining at Austin Farm .....	146	200	346
Supported as city patients .....			
Supported as private patients .....			
Number of different persons .....	248	312	560
Number of different persons admitted.....	39	68	107
Number of different persons recovered.....	8	14	22
Daily average .....	203.36	255.02	458.38
<sup>1</sup> Percentage of recoveries.....	22.22	23.33	22.92

<sup>1</sup> Excluding cases transferred.

2. MONTHLY ADMISSIONS, DISCHARGES, AND AVERAGES.

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
	January .....	10	8	18	2	.....	2	2	4	208.25	241.75	450.00
February .....	2	5	7	.....	1	1	2	5	211.00	247.00	458.00	
March .....	3	6	9	3	2	5	2	1	209.60	247.00	456.60	
April .....	1	2	3	1	2	3	3	.....	207.25	249.25	456.50	
May .....	1	8	9	3	5	8	1	.....	204.20	251.20	455.40	
June .....	5	7	12	.....	2	2	.....	1	205.00	256.00	461.00	
July .....	2	9	11	3	7	10	1	2	206.25	256.25	462.50	
August .....	5	2	7	2	5	7	5	.....	205.60	253.00	458.60	
September .....	3	5	8	3	1	4	5	2	199.75	255.00	454.75	
October .....	5	3	8	1	1	2	3	.....	199.25	256.75	456.00	
November .....	3	10	13	1	3	4	3	1	199.60	261.20	460.80	
December .....	2	5	7	3	5	8	4	1	195.50	262.25	457.75	
Total of cases.....	42	70	112	22	34	56	31	13	.....	.....	.....	
Total of persons....	41	70	111	22	34	56	.....	.....	.....	.....	.....	
Daily average.....	.....	.....	.....	.....	.....	.....	.....	.....	204.31	253.06	457.37	

## 3. RECEIVED ON FIRST AND SUBSEQUENT ADMISSIONS.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Male.	Female.	Total.	Male.	Female.	Total.
First .....	35	58	93	.....	.....	.....
Second .....	3	10	13	1	5	6
Third .....	3	2	5	3	4	7
Tenth .....	1	.....	1	3	.....	3
Total of cases.....	42	70	112	7	9	16
Total of persons.....	41	70	111	4	7	11

## 4. RELATIONS TO HOSPITALS OF PERSONS ADMITTED.

HOSPITAL RELATIONS.	Male.	Female.	Total.
Never before in any hospital for insane.....	30	53	83
Former inmates of this hospital only.....	6	9	15
“ “ “ other hospitals only.....	3	3	6
“ “ “ this and other hospitals.....	1	3	4
Unknown .....	1	2	3
Total of persons.....	41	70	111

## 5. PARENTAGE OF PERSONS ADMITTED.

PLACES.	MALE.		FEMALE.		TOTAL.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine .....	4	4	2	2	6	6
New Hampshire.....	4	5	.....	1	4	6
Vermont .....	2	1	.....	.....	2	1
Massachusetts .....	7	7	8	6	15	13
Rhode Island.....	1	1	.....	.....	1	1
Pennsylvania .....	1	1	.....	.....	1	1
Canada .....	.....	.....	3	7	3	7
Newfoundland .....	.....	1	.....	.....	.....	1
England .....	1	1	3	3	4	4
Ireland .....	16	15	40	38	56	53
Scotland .....	1	.....	3	2	4	2
France .....	.....	.....	1	.....	1	.....
Germany .....	1	2	5	7	6	9
Prussia ..	1	1	.....	.....	1	1
Switzerland .....	.....	.....	.....	1	.....	1
Sweden.....	2	2	.....	.....	2	2
Holland .....	.....	.....	2	2	2	2
At sea.....	.....	.....	1	.....	1	.....
Unknown .....	.....	.....	2	1	2	1
Total .....	41	41	70	70	111	111

## 6. RESIDENCE OF PERSONS ADMITTED.

PLACES.	Males.	Females.	Total.
Suffolk County .....	39	68	107
Norfolk County.....		1	1
Worcester County.....	1		1
Connecticut .....		1	1
New York.....	1		1
Total .....	41	70	111

## 7. CIVIL CONDITION OF PERSONS ADMITTED.

No. OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTAL.		
	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.
First.....	15	25	40	17	23	40	2	8	10	...	2	2	34	58	92
Second ....	...	4	4	2	5	7	1	1	2	...	...	...	3	10	13
Third .....	2	2	4	1	...	1	...	...	...	...	...	...	3	2	5
Tenth.....	...	...	...	1	...	1	...	...	...	...	...	...	1	...	1
Total ....	17	31	48	21	28	49	3	9	12	...	2	2	41	70	111



## 8. OCCUPATION OF PERSONS ADMITTED.

MALES.	MALES.
Barber . . . . .1	Officer "House of Correction" . .1
Blacksmith . . . . .1	Painters . . . . .2
Carpenter . . . . .1	Pattern-maker . . . . .1
Chocolate-maker . . . . .1	Plumber . . . . .1
Clerks . . . . .5	Police-officer . . . . .1
Coachman . . . . .1	Printer . . . . .1
Commission merchants . . . . .2	Real-estate agent . . . . .1
Coppersmith . . . . .1	Soda-water bottler . . . . .1
Engineer . . . . .1	Tailor . . . . .1
Grocers . . . . .2	Teamsters . . . . .4
Iron-moulder . . . . .1	None . . . . .3
Laborers . . . . .3	Unknown . . . . .1
Merchants . . . . .2	—
Music-teacher . . . . .1	Total . . . . .41

FEMALES.	FEMALES.
Cash-girls . . . . .2	Saleswomen . . . . .2
Cook . . . . .1	Seamstresses . . . . .3
Domestics . . . . .5	Tailoresses . . . . .2
Dress-makers . . . . .2	Waitress . . . . .1
House-keepers . . . . .5	None . . . . .17
Housewives . . . . .27	—
Laundress . . . . .1	Total . . . . .70
Nurses . . . . .2	

## 9. PROBABLE CAUSES OF DISEASE IN PERSONS ADMITTED.

CAUSES.	PATIENTS ADMITTED.			PREVIOUS ATTACKS.			HEREDITARY PRE-DISPOSITION.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
<b>1. PHYSICAL.</b>									
Apoplexy .....	2	.....	2	.....	.....	.....	.....	.....	.....
Amenorrhœa .....	.....	2	2	.....	.....	.....	.....	1	1
Epilepsy .....	2	1	3	.....	.....	.....	1	.....	1
Heart disease .....	1	1	2	.....	.....	.....	.....	.....	.....
Heredity .....	1	7	8	.....	.....	.....	1	7	8
Ill-health .....	2	5	7	.....	2	2	.....	2	2
Imbecility .....	.....	1	1	.....	.....	.....	.....	1	1
Intemperance .....	3	4	7	.....	1	1	1	2	3
Injury to back .....	1	.....	1	.....	.....	.....	.....	.....	.....
Injury to head .....	2	1	3	.....	.....	.....	.....	.....	.....
La grippe .....	1	1	2	.....	.....	.....	.....	.....	.....
Masturbation .....	1	.....	1	.....	.....	.....	.....	.....	.....
Menopause .....	.....	5	5	.....	.....	.....	.....	2	2
Overwork .....	2	2	4	1	1	2	.....	1	1
Phthisis .....	1	1	2	.....	.....	.....	.....	.....	.....
Puberty .....	.....	1	1	.....	1	1	.....	.....	.....
Puerperal .....	.....	6	6	.....	.....	.....	.....	1	1
Senility .....	2	1	3	.....	.....	.....	1	.....	1
Sunstroke .....	1	1	2	.....	.....	.....	.....	.....	.....
Syphilis .....	1	2	3	.....	.....	.....	.....	.....	.....
Uterine disease .....	.....	1	1	.....	.....	.....	.....	.....	.....
<b>2. MENTAL.</b>									
Disappointment .....	.....	1	1	.....	.....	.....	.....	.....	.....
Domestic trouble .....	.....	3	3	.....	1	1	.....	2	2
Fright .....	1	1	2	.....	.....	.....	.....	.....	.....
Spiritualism .....	.....	1	1	.....	.....	.....	.....	1	1
Worry .....	.....	2	2	.....	.....	.....	.....	4	1
Unknown .....	17	19	36	3	2	5	3	1	7
<b>Total .....</b>	<b>41</b>	<b>70</b>	<b>111</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>7</b>	<b>25</b>	<b>32</b>

## 10. RECORD OF CASES ADMITTED WITHIN THE YEAR.

PATIENTS.	Male.	Female.	Total.
Admitted .....	42	70	112
Discharged, recovered .....	4	7	11
"    much improved.....	1	1	2
"    improved .....		2	2
"    not improved.....	2	3	5
Emergency cases transferred.....	4	8	12
Died .....	12	3	15
Remaining December 31, 1894 .....	19	46	65
Number likely to recover.....	5	20	25
"    "    " improve.....		6	6

11. AGES OF INSANE AT FIRST ATTACK, ADMISSION AND DEATH.

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	At First Attack.			When Admitted.			At First Attack.			When admitted.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Congenital.....			1									
15 years and less.....	4	2	6	3	3	6	1		1			
From 15 to 20 years.....	2	4	6	2	4	6	3	3	6	1	3	4
“ 20 to 25 “.....	2	9	11	2	8	10	3	1	4	1	2	3
“ 25 to 30 “.....	2	10	12	2	9	11	2		2	1	3	3
“ 30 to 35 “.....	2	6	8	3	7	10	2	1	3		3	3
“ 35 to 40 “.....	2	11	13	7	8	15	3	2	5	3	6	6
“ 40 to 50 “.....	8	11	19	7	8	15	7	7	14	6	11	11
“ 50 to 60 “.....	2	5	7	2	7	9	8	2	10	8	18	18
“ 60 to 70 “.....	6	3	9	6	4	10	4	2	6	7	13	13
“ 70 to 80 “.....	2	2	4	2	2	4	4	2	6	7	13	13
Over 80 years.....	1		1	2	1	3	1	1	2	3	5	5
Unknown.....												
Not insane.....												
Total of persons.....	31	53	84	31	53	84	31	13	44	31	13	44
Mean ages.....	45.00	38.58	40.95	46.42	39.91	42.31	52.35	48.62	51.25	59.97	55.54	58.66

## 12. REPORTED DURATION OF DISEASE BEFORE LAST ADMISSION.

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTAL.		
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.
Congenital .....									
Under 1 month.....	4	14	18	1	3	4	5	17	22
From 1 to 3 months.....	2	7	9	....	1	1	2	8	10
“ 3 “ 6 “ .....	3	7	10	....	1	1	3	8	11
“ 6 “ 12 “ .....	4	9	13	....	....	....	4	9	13
“ 1 “ 2 years.....	11	5	16	2	1	3	13	6	19
“ 2 “ 5 “ .....	5	8	13	4	3	7	9	11	20
“ 5 “ 10 “ .....	2	1	3	2	5	7	4	6	10
“ 10 “ 20 “ .....	....	2	2	2	3	5	2	5	7
Over 20 years.....									
Unknown .....									
Not insane.....									
Total of cases.....	31	53	84	11	17	28	42	70	112
Total of persons .....	31	53	84	11	17	28	41	70	111
Average in years.....	1.40	1.30	1.34	4.63	5.72	5.29	2.24	2.38	2.33



Phthisical insanity .....	1	1	2	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1				
Post-paralytic insanity .....	4	1	5	...	1	...	1	...	...	...	...	...	2	1	3	8	1	4	4				
Puerperal insanity .....	3	3	3	...	1	1	...	1	1	...	...	...	...	...	1	...	4	4	4				
Senile insanity .....	6	7	13	1	1	2	...	...	1	...	...	...	8	4	12	10	5	15	15				
<i>Folie circulaire</i> .....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
General paralysis .....	7	1	8	1	1	...	...	2	2	...	2	...	2	8	8	18	...	13	13				
Hebephrenia .....	6	5	11	1	1	...	...	...	...	...	...	...	...	...	...	1	...	1	1				
Imbecility .....	1	1	2	...	...	...	...	2	2	...	...	...	...	...	...	2	...	2	2				
Paranoia .....	2	13	15	...	1	1	3	4	...	...	2	2	...	1	1	3	3	8	11				
Senile paresis .....	1	...	1	...	...	...	...	...	...	...	...	...	1	...	1	...	1	...	1				
Total of cases .....	42	70	112	8	12	20	2	6	8	...	2	7	6	13	5	8	13	31	13	44	53	47	100
Total of persons .....	41	70	111	8	12	20	2	6	8	...	2	7	6	13	5	8	13	31	13	44	52	47	99

## 14. DISCHARGES CLASSIFIED BY ADMISSION AND RESULT.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			EMERGENCY AND STATE CASES TRANSFERRED.			DIED.			TOTAL.					
	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.			
First.....	8	11	19	1	5	6	.....	2	2	4	7	11	23	11	34	42	42	84	23	11	34	42	42	84
Second.....	.....	1	1	1	1	2	.....	.....	.....	1	1	2	7	2	9	9	5	14	7	2	9	9	5	14
Third.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1	2	1	1	2	.....	2	1	1	1	2	.....	2
Total of cases...	8	12	20	2	6	8	.....	2	2	4	8	13	31	13	44	58	47	100	31	13	44	58	47	100
Total of persons.	8	12	20	2	6	8	.....	2	2	4	8	13	31	13	44	52	47	99	31	13	44	52	47	99



## 15. CAUSES OF DEATH.

CAUSES.	Male.	Female.	Total.
<i>Nervous system :</i>			
Exhaustion from acute melancholia .....	1	.....	1
“ “ senile insanity .....	6	4	10
“ “ secondary dementia...	1	.....	1
Chronic meningitis .....	.....	1	1
General paralysis .....	8	1	9
Organic brain disease .....	2	.....	2
<i>Respiratory system :</i>			
Lobar pneumonia.....	1	1	2
Phthisis pulmonalis .....	1	3	4
<i>Circulatory system :</i>			
Apoplexy .....	2	.....	2
Heart disease.....	4	1	5
<i>Digestive system :</i>			
Carcinoma of stomach.....	.....	1	1
<i>General :</i>			
Caries of foot.....	1	.....	1
Chronic interstitial nephritis .....	2	.....	2
Polipi of bladder .....	1	.....	1
La grippe .....	.....	1	1
Sarcoma, “ glands of neck ” .....	1	.....	1
Total .....	31	13	44



## 17. DEATHS CLASSIFIED BY DURATION OF DISEASE AND OF TREATMENT.

PERIOD.	LAST ATTACK.						ALL ATTACKS.								
	Duration before Admission.		Hospital Residence.		Whole Duration from the Attack.		Whole known period of Mental Disease.		Whole known period of Hospital Residence.						
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Total.		
Congenital.....	2	4	2	7	1	1	1	1	1	1	5	2	7		
Under 1 month.....	2	4	5	6	1	1	1	1	1	1	5	2	6		
From 1 to 3 months.....	2	4	5	1	4	1	1	1	1	1	3	1	4		
“ 3 to 6 “.....	4	7	3	1	4	1	1	2	2	2	4	1	5		
“ 6 to 12 “.....	4	4	4	5	2	2	2	2	2	2	4	1	5		
“ 1 to 2 years.....	9	10	3	5	8	3	11	8	3	11	3	2	5		
“ 2 to 5 “.....	8	12	2	2	4	4	12	4	4	12	2	2	4		
“ 5 to 10 “.....	1	2	2	3	2	2	4	2	2	4	2	1	3		
“ 10 to 20 “.....	1	1	4	6	6	1	7	6	1	7	4	2	6		
Over 20 years.....	1	1	3	4	3	2	5	3	2	5	3	1	4		
Unknown.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
<b>Total.....</b>	<b>31</b>	<b>13</b>	<b>44</b>	<b>31</b>	<b>13</b>	<b>44</b>	<b>31</b>	<b>13</b>	<b>44</b>	<b>31</b>	<b>13</b>	<b>44</b>	<b>31</b>	<b>44</b>	
Average of known cases (in months).....	21.65	20.79	21.40	71.02	59.19	67.52	93.10	80.07	89.25	93.10	81.71	89.73	71.02	60.51	67.92





19. RELAPSED CASES ADMITTED IN EACH YEAR AND DISCHARGED IN 1894.

YEARS ENDING APRIL 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																											
	ADMITTED.			DISCHARGED AND DIED IN 1894.																					Remain- ing Dec. 31, 1894.			
				Recov'd.			M'ch imp			Improv'd			Not imp.			Transf'd			Died.									
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1840																												
1841																												
1842	1	1	2																									
1843		1	1																									
1844		4	4																									
1845	1		1																									
1846	2		2																									
1847	2		2																									
1848	2	1	3																									
1849	1	2	3																									
1850	1	3	4																									
1851	2	1	3																									
1852	1	2	3																									
1853	2	2	4																									
1854	3	3	6																									
1855	2	3	5																									
1856	5		5																									
1857	1		1																									
1858	1		1																									
1859	3	3	6																									
1860	8	5	13																									
1861	9	8	17																									
1862	12	4	16																									
1863	7	3	10																									
1864	5	2	7																									
1865	4	1	5																									
1866	7	2	9																									
1867	6	2	8																									
1868	3	4	7																									
1869	4		4																						1		1	
1870	5	2	7																									
1871	1	3	4																									
1872	4	3	7																									
1873		1	1																									
1874		2	2																									
1875	3		3																									
1876	5	4	9																									
1877																												
1878	1	1	2																									
1879	3	2	5																									
<i>Carried forw'd.</i>	117	75	192																							1		1

RELEASED CASES, ETC. — *Concluded.*

YEARS ENDING APRIL 30.	CASES PREVIOUSLY RECOVERED IN THIS HOSPITAL.																										
	ADMITTED.			DISCHARGED AND DIED IN 1894.																		Remain- ing Dec. 31, 1894.					
				Recov'd.			M'ch imp			Improv'd			Not imp.			Transf'd			Died.								
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.			
<i>Brought forward</i>	117	75	192	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	
1880....	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1881....	1	3	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1882....	5	4	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
1883....	4	5	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1884....	5	6	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1885....	..	3	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1885 <sup>1</sup> ..	2	3	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1886 <sup>2</sup> ..	4	1	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
1887....	4	6	10	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1888....	5	6	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2	..
1889....	11	5	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	3	5	..
1890....	2	5	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
1891....	3	6	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..
1892....	2	3	5	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..
1893....	3	9	12	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	7	7	..
1894....	2	7	9	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	1	7	8	..
Total.	171	148	319	..	1	1	1	..	1	..	..	..	..	..	..	1	..	1	..	1	..	1	1	7	22	29	..

<sup>1</sup> Eight months, ending December 31, 1885.

<sup>2</sup> This and following years end December 31.

## HOME FOR PAUPERS, LONG ISLAND.

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BOSTON HARBOR, February 1, 1895.

*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the annual report of this institution for the year ending January 31, 1895.

As will be seen from the table of admissions, discharges, etc., which accompanies this, the number of male admissions is largely in excess of any previous year. As in previous years, the increase has come mainly from the undesirable class, men who have no business in an institution of this character. The daily average is larger than ever before; many men who heretofore have gone out in the spring and remained out till late in the fall, this year, after one or two attempts at getting work, have come back to stay.

Of the 1,565 total admissions, 364 were for the first time, and of these, 189 were under 35 years of age; of the 1,314 men admitted, 1,066 had been, by their own admission, inmates of penal institutions. I sincerely hope that some legislation will be passed this winter which will enable us to treat this rapidly-increasing population in a manner which will be best for them and best for the institution.

In the early part of the year discipline at this institution was very difficult to maintain; there was a great disinclination for work, and much discontent, the reason to you is obvious. For the past six months discipline has been good; to-day the men seem quite willing to work at anything, and fault-finding is rare. We have gotten rid of a few malcontents, which accounts in part for the change. We have had almost no trouble with the women this year, a marked change from last.

Early in the year standpipes and hose were put in the men's building, connected with the large fire-pump, and this with our larger cistern which holds 100,000 gallons. March 26 a trial was made, and four  $\frac{7}{8}$ -inch streams of water thrown on the roof of the building. In order to make the best use possible of our large fire-pump, I would recommend that it be connected with the water main so that pressure can, if necessary, be put on our general main. Unless this is done, the standpipes in the women's dormitory, and the outside



hydrants will be practically useless for fire purposes ; if this were done, it could also be used in forcing water for domestic purposes to places where we can't get it from the reservoir pressure. On many occasions it would render recourse to the reservoir unnecessary.

The water service this year has, on the whole, been satisfactory. We were without our regular supply from the city for a few days the latter part of February, and from September 29 to October 1 ; these were the only lengthy breaks we have had. Our reservoir, upon which we have been working for so many months past, was completed so that the water was turned into it December 7 ; it took twenty days to fill. We have had occasion to draw on the supply twice for a few hours each time, and it worked satisfactorily. At one time this winter the ice on the reservoir was a foot thick, so that if we had had an ice-house to store it in, I think we could have harvested in one cutting nearly enough ice to last us a year. I think it would be a profitable investment to build an ice-house to hold about five hundred tons.

During the past year we have had two fires, one on August 12, at the barn, where the damage was very slight, two coats of whitewash removing all traces of the fire ; the other on September 27, when our old store-shed or blacksmith-shop, with its contents, was partially destroyed. That either building was saved was due to the vigilance of our night watchmen, and the rapidity with which our officers and inmates answered the alarm.

The buildings and furnishings are in good condition. I would recommend, however, that all the wainscoting in the men's building be torn down and plaster put in its place. I would also recommend that a high board fence be built around the clothes-yard ; although situated in as sheltered a place as we have, it is nevertheless so exposed to our high winds that many articles of clothing are destroyed during a year ; and I suspect that some are unlawfully removed, although a man is detailed to watch the yard. Our greenhouse is at present very poorly located, and hardly deserves the name, yet it contains many hundred dollars worth of plants ; it would seem to me to be good judgment to expend a few hundred dollars on a new one, as, with good management, I think it could be made to pay for itself in a short time.

The new dormitory for women, built this year, was occupied for the first time January 31, when the able-bodied women were moved from the upper floor of the men's building to their present quarters.

Several minor improvements were made here during the

year. The store-room was enlarged; a new blacksmith-shop and tool-house was built out of the material saved from the old; a road built back of the barn; a new sixty-inch boiler added to our plant; a standpipe put in the administration building, and the cemetery graded.

Telephonic communication with the city, which had been interrupted for over six months, was resumed April 23.

The produce of the farm this year was nearly, if not quite, equal to last, which was remarkable, considering the season. Our farming was carried on during the spring and summer as usual, by means of labor from the House of Industry; but this fall for the first time we were able to do our harvesting with our own help.

The grading around the new buildings was done mostly by men from Deer Island, but the inmates did a great deal of work in that line.

In estimating the per-capita cost of this institution, I think the fact should be borne in mind that we have given dinners to nearly one hundred prisoners every day, as an average.

Mr. Geo. H. Stinson came on February 12, to take the place of Mr. Archie F. Smith, as deputy superintendent.

I wish at this time to express my appreciation of the interest taken in this institution by the chairman, Dr. Thos. L. Jenks, and all the members of the Commission.

Very respectfully,

CHAS. H. COGSWELL, M.D.,

*Superintendent.*

ADMISSIONS, DISCHARGES, ETC., AT HOME FOR PAUPERS,  
LONG ISLAND, FOR THE YEAR ENDING JANUARY 31,  
1895.

Remaining January 31, 1895:

Males . . . . .	521
Females . . . . .	167
	—
Total . . . . .	688

Admitted:

Males . . . . .	1,314
Females . . . . .	251
	—

Total . . . . . 1,565

Discharged :		
Males . . . . .		1,269
Females . . . . .		264
Total . . . . .		1,533
Discharged by death :		
Males . . . . .		74
Females . . . . .		55
Total . . . . .		129
Largest number during the year :		
Males . . . . .		521
Females . . . . .		185
Total . . . . .		706
Smallest number during the year :		
Males . . . . .		300
Females . . . . .		125
Total . . . . .		425
Average number during the year :		
Males . . . . .		402
Females . . . . .		152
Total . . . . .		554

## AGES OF INMATES ADMITTED DURING THE YEAR.

	Males.		Females.
Under 20 years . . . . .	58	Under 20 years . . . . .	39
20 to 30 years . . . . .	261	20 to 30 years . . . . .	51
30 " 40 " . . . . .	449	30 " 40 " . . . . .	55
40 " 50 " . . . . .	354	40 " 50 " . . . . .	45
50 " 60 " . . . . .	99	50 " 60 " . . . . .	27
60 " 70 " . . . . .	58	60 " 70 " . . . . .	9
70 " 80 " . . . . .	32	70 " 80 " . . . . .	21
80 " 90 " . . . . .	3	80 " 90 " . . . . .	4
	<hr/> 1,314		<hr/> 251

## SUMMARY OF CROPS, ETC.

50 tons of hay.
4 " " squash.
75 " " fodder.
20 " " oats for fodder.
1 " " summer squash.

2,000 bushels of mangels.  
 500 " " sweet corn.  
 1,000 " " onions.  
 200 " " turnips.  
 100 " " beets.  
 500 " " carrots.  
 400 " " tomatoes.  
 100 " " peas.  
 150 " " string beans.  
 100 " " parsnips.  
 175 " " potatoes.  
 100 " " onion sets.  
 5 " " peppers.  
 10,000 heads of cabbage.  
 3,600 " " celery.  
 500 " " lettuce.  
 175 bunches radishes.  
 5 bbls. cucumbers.  
 1,100 lbs. of rhubarb.  
 9,729 " " pork.  
 6,000 bedding plants for decorating grounds.  
 58,076 quarts of milk.

## HOSPITAL REPORT.

*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the following report of the hospital of this institution:

Number of patients in hospital Feb. 1, 1894 . . . . .	189
Admitted:	
Males . . . . .	367
Females . . . . .	323
	— 690
Total number treated in hospital . . . . .	879
Discharged:	
Males . . . . .	299
Females . . . . .	285
	— 584
Died;	
Males . . . . .	74
Females . . . . .	55
	— 129
Remaining in hospital Feb. 1, 1895:	
Males . . . . .	84
Females . . . . .	82
	— 166
	879
Largest number in hospital in any one day . . . . .	189
Smallest " " " " " " . . . . .	130
Daily average . . . . .	154
Births at Long Island . . . . .	33
Number of cases treated as out-patients . . . . .	3,282

## STATISTICS.

## MEDICAL DISEASES.

*Classified according to the Nomenclature of Diseases, as published by the Royal College of Physicians of London, and American Medical Association.*

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
<b>GENERAL DISEASES.</b>										
<b>Class A.</b>										
Intermittent fever .....	1			1	1					
Febricula .....		1		1	1					
Influenza ....		10		10	8	2				
Epidemic grippe .....	1	4	1	6	6					
Malaria.....		4	1	5	5					
Measles .....			1	1	1					
Varicella .....			1	1	1					
<b>Class B.</b>										
Arthritis deformans.....	1		1	2		1				1
Rheumatism, acute .....		3	2	5	1	2				2
"    chronic .....		3	10	3	16	7				9
"    sub-acute .....		1		5	6	3				1
Phthisis, pulmonary .....	18	52	9	79		30	12	20	3	14
"    incipient .....		1		1						1
Tuberculosis, acute.....	1	4	1	6	1	2	3			

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Tuberculosis, general.....	1	3	4	.....	.....	1	1	2	.....	
“ intestinal .....	.....	1	1	.....	.....	.....	.....	1	.....	
Potts' disease .....	.....	1	1	.....	.....	1	.....	.....	.....	
Anæmia .....	.....	1	1	2	.....	1	1	.....	.....	
Senility.....	9	4	14	27	.....	1	3	13	10	
Senile debility .....	10	5	11	26	.....	5	4	3	4	10
General debility.....	6	11	2	19	5	5	.....	1	8	
Alcoholism .....	.....	39	20	59	58	.....	.....	1	.....	
Delirium tremens .....	1	4	.....	5	4	.....	.....	1	.....	
Morphine habit .....	.....	.....	1	1	.....	1	.....	.....	.....	
Diabetes mellitus.....	.....	1	.....	1	.....	.....	.....	.....	1	
Lumbago .....	.....	3	.....	3	.....	3	.....	.....	.....	
NERVOUS SYSTEM.										
Chorea .....	.....	1	.....	1	.....	.....	1	.....	.....	
Apoplexy .....	.....	2	.....	2	1	.....	.....	1	.....	
Cerebral hemorrhage .....	.....	3	4	7	.....	1	3	2	1	
Paralysis .....	.....	.....	2	2	.....	.....	1	.....	1	
Epilepsy .....	2	2	4	8	.....	.....	3	.....	5	
Hemiplegia.....	7	3	3	13	.....	1	3	.....	9	
Paraplegia.....	1	2	1	4	.....	1	.....	.....	3	
Locomotor Ataxia .	2	.....	.....	2	.....	.....	1	.....	1	
Multiple Neuritis.....	.....	1	1	2	.....	1	.....	.....	1	
Sciatica.....	1	2	.....	3	.....	2	1	.....	.....	

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Paralysis agitans .....	2	1	.....	3	.....	1	.....	.....	.....	2
Lateral sclerosis.....	.....	1	.....	1	.....	.....	.....	.....	.....	1
Anterior poliomyelitis.....	4	.....	.....	4	.....	3	.....	.....	.....	1
Neuralgia .....	1	2	.....	3	.....	3	.....	.....	.....	.....
Catalepsy .....	1	.....	.....	1	.....	1	.....	.....	.....	.....
Hysteria .....	.....	.....	1	1	.....	1	.....	.....	.....	.....
Neurasthenia .....	.....	.....	1	1	.....	1	.....	.....	.....	.....
Paresis .....	1	.....	.....	1	.....	1	.....	.....	.....	.....
Spinal syphilis .....	1	.....	.....	1	.....	.....	.....	.....	.....	1
Cerebral " .....	.....	1	1	2	.....	.....	1	1	.....	.....
"    gumma .....	1	.....	.....	1	.....	1	.....	.....	.....	.....
Masturbation.....	1	.....	.....	1	.....	.....	.....	.....	.....	1
Pachymeningitis servicalis hypertrophica.....	1	.....	.....	1	.....	1	.....	.....	.....	.....
Pseudo angina .....	.....	.....	1	1	.....	1	.....	.....	.....	.....
Chronic myelitis.....	.....	.....	1	1	.....	.....	.....	1	.....	.....
Glosso-labio laryngeal par- alysis.....	1	.....	.....	1	.....	.....	.....	.....	.....	1
INTELLECT.										
Dementia .....	1	5	2	8	.....	1	1	.....	.....	6
"    senile .....	.....	3	4	7	.....	4	1	1	.....	1
Alcoholic insanity .....	.....	.....	1	1	.....	1	.....	.....	.....	.....
Idiot .....	8	1	1	10	.....	5	.....	.....	.....	5
Acute dementia .....	.....	.....	1	1	.....	1	.....	.....	.....	.....



DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Acute mania .....		1		1		1				
CIRCULATORY SYSTEM.										
Functional diseases of heart. ....		2	1	3		2				1
Valvular disease of heart, aortic .....		1	1	2						2
Valvular disease of heart, mitral .....	4	9	3	16		6	4	2	1	3
Fatty degeneration .....		1		1						1
Hemorrhage .....		1		1				1		
Ascites .....			1	1					1	
DISEASES OF FAUCES.										
Tonsillitis .....		20	10	30	29					1
RESPIRATORY SYSTEM.										
PHARYNX.										
Pharyngitis .....		18	25	43	42					1
LUNGS.										
Bronchitis, acute .....	7	9	4	20	15	4				1
“ chronic .....	9	18	4	31	1	20	3	2		5
“ capillary .....		2	1	3	1			2		
Asthma .....	2	1	1	4		1		1	1	1
Pneumonia .....	1	16	5	22	6	1		12	2	1
Hæmoptysis .....		2	2	4				2		2
Emphyœma .....	1			1		1				
PLEURA.										
Pleurisy .....	2	3		5	3	2				

DISEASES.	In Hospital Feb. 1, 1884.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total Treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
<b>DIGESTIVE SYSTEM.</b>										
Stomatitis .....		2	.....	2	1	.....	.....	.....	.....	1
Gastritis .....		7	2	9	8	1	.....	.....	.....	
"    chronic.....		1	.....	1	.....	1	.....	.....	.....	
"    alcoholic.....		1	.....	1	1	.....	.....	.....	.....	
Indigestion .....		1	3	4	4	.....	.....	.....	.....	
Dyspepsia .....		1	.....	1	.....	.....	.....	.....	.....	1
Diarrhœa .....		20	42	62	60	2	.....	.....	.....	
"    chronic.....	1	4	1	6	.....	4	.....	2	.....	
Dysentery .....		.....	2	2	.....	.....	.....	2	.....	
Cholera-morbus .....		1	.....	1	.....	.....	.....	1	.....	
"    infantum . .....		1	.....	1	1	.....	.....	.....	.....	
Gastro-enteritis .....		.....	1	1	.....	.....	.....	1	.....	
Enteritis, acute senile .....		2	2	4	.....	.....	.....	2	2	.....
Colic .....		1	.....	1	1	.....	.....	.....	.....	
Chronic constipation.....	6	4	15	25	8	16	.....	.....	.....	1
Cancer, stomach .....		.....	1	1	.....	.....	.....	1	.....	
Gastralgia .....	1	.....	.....	1	.....	1	.....	.....	.....	
<b>SPLEEN.</b>										
Abscess .....		1	.....	1	.....	.....	.....	1	.....	
<b>LIVER.</b>										
Jaundice, catarrhal.....		1	.....	1	.....	.....	.....	.....	.....	1
Abscess .....		1	.....	1	.....	.....	.....	1	.....	

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total Treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Congestion .....		1	1	2	2					
Hepatic colic.....		2		2	1	1				
Cirrhosis .....		2		2		1				1
URINARY SYSTEM.										
Nephritis, acute.....	1			1	1					
“ chronic.....		5	3	8		2	2	2	2	2
Cystitis .....		2	3	5	2	3				
Prostatitis, chronic .....		2		2			2			
CUTANEOUS SYSTEM.										
Psoriasis.....		1		1	1					
Eczema .....	1	2	2	5	2	2				1
Scabies .....		3		3	3					
Herpes zoster .....			2	2	2					
“ brachialis .....		1		1	1					
Erythema.....			2	2	2					
Lupus .....		1		1						1
Acne .....			1	1	1					
Seborrhœa.....	1			1	1					
EAR.										
Otitis media .....			1	1		1				
EYE.										
Ophthalmia neanotorum .....			1	1	1					
Stricture lachrymal duct.....			1	1		1				

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1885.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Iritis .....		3	4	7	7					
Cataract .....		1	3	4			4			
Conjunctivitis .....		2	3	5	3					2
Pterigium .....		1		1						1
UNCLASSIFIED.										
Exhaustion .....			1	1					1	
Marasmus .....		2	2	4				2	2	
Malingering .....		1		1	1					
Observation.....		1		1	1					
Hydrocephalus.....		1		1			1			
Lead poisoning.....		1		1		1				
Convalescence .....		1		1	1					
DISEASES OF WOMEN.										
Cancer of breast.....		2	2	4			1	2		1
“ “ uterus.....		1	7	8			3	3		2
Endometritis .....			3	3		2				1
Mastitis .....			1	1	1					
Mammary abscess .....			1	1	1					
Pregnancy .....		8	32	40	24		1			5
Cancer vulva.....		1		1			1			
Vaginitis .....			7	7	5					2
Amenorrhœa.....			1	1						1
Dysmenorrhœa.....			33	33		32				1

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1895.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Vulvitis .....			1	1						1
<b>Surgical.</b>										
<b>GENERAL.</b>										
Lymphadenitis .....			3	3	1	2				
Abscess, perineal.....		2		2	1					1
“ hip .....		2		2		2				
Hemorrhoids.....		1	3	4	1	3				
Fistula in ano.....	1	2	1	4	2	1				1
Fissure .....			1	1	1					
Prolapse rectum.....			1	1						1
Ulcers.....		6	5	11	6	2				3
“ varicose.....	15	2	5	22	5	15				2
Carbuncle .....	1	1		2	2					
Periostitis .....		1		1	1					
Synovitis .....		1		1	1					
Cellulitis .....		4		4	3					1
Sarcoma.....		1		1		1				
Septicæmia .....		1		1				1		
Erysipelas .....	1	1		2	2					
Bursitis.....			1	1	1					
Hernia, inguinal .....	5	2	1	8		8				
“ ventral .....	1		1	2		1				1
Bed sores.....	2			2		2				

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			DIED.		In Hospital Feb. 1, 1894.
		Males.	Females.	Total treated.	Well.	Relieved.	Unrelieved.	Males.	Females.	
Felon .....	1			1	1					
VENEREAL.										
Gonorrhœa .....	5	3		8	8					
Venereal warts.....			1	1	1					
Adenitis .....		6		6	5					1
Chancroids .....	3	5	7	15	13					2
Phimosis .....	1			1	1					
Phagledemic chancroids.....		1		1			1			
Orchitis .....		4		4	1	2				1
Stricture.....	1	2		3	1	1				1
Syphilis .....	13	20	16	49		25	4	1		19
“    congenital.....		3	3	6				2	3	1
INJURIES.										
Burns .....		1	1	2	2					
Contusions .....		6	6	12	12					
Contusion, eye .....		1		1	1					
WOUNDS.										
Lacerated, ankle .....			1	1	1					
Contusion, scalp .....		5	2	7	7					
“    foot.....	1	2		3	2		1			
Punctured arm.....		1		1	1					
Poisoned.....	1			1	1					
SPRAINS.										
Ankle .....		4	2	6	5					1

DISEASES.	In Hospital Feb. 1, 1894.	ADMITTED.			DISCHARGED.			Died.	In Hospital Feb. 1, 1895.	
		Male.	Female.	Total treated.	Well.	Relieved.	Unrelieved.			Males.
Hip .....			2	2					2	
DISLOCATIONS.										
Shoulder .....		1		1			1			
Thumb .....			1	1	1					
FRACTURES.										
Fractured humerus .....		1	1	2	2					
“ clavicle .....	1	1		2	1	1				
“ tibia .....		3		3	2	1				
“ fibula .....		2		2	1				1	
“ femur.....			3	3	2				1	
“ ankle .....			1	1	1					
“ jaw .....		2		2	2					
“ finger .....		1		1	1					
“ carpus .....	1			1	1					
“ base skull .....		1		1		1				
UNCLASSIFIED.										
Varicose veins .....			2	2		1			1	
Frost-bite.....		1		1		1				
Hare-lip .....			1	1		1				
Totals .....	195	477	425	1097	454	256	75	74	55	183

In examining the above statistics it will be seen that the number of diseases exceeds the number of patients. This is due to the fact that many of our patients who suffer from chronic diseases and stay in the hospital constantly are liable to intercurrent diseases. Of the 166 patients in the hospital to-day, 44 have been there a year, 22 over two years, and 61 over eight months. I have given these figures to show the class of patients who predominate in our hospital. Our death rate, 11 per cent., is no larger than we should expect, when you consider the cases. Of the 129 deaths, 60, or nearly 50 per cent., were from apoplexy, tuberculosis, or the diseases of old age. We lost a large per cent. of our pneumonia cases; but of the 14 deaths, 8 were men over 63 years of age, one was 84, two others had delirium tremens.

The east wing of the hospital was completed in the early part of January, and occupied January 20, when the women were moved from the centre wing. On January 31 the women from the infirmary wards and the women and children from the nursery were moved into the centre wing, so that to-day the hospital, as originally contemplated, is running in all its departments.

I would recommend that the wooden partitions in the west and centre wings be taken out and replaced by some similar to those in the east wing. I would also recommend that blinds be placed on the hospital and administration building.

Dr. C. O. Murphy, our second assistant physician, resigned February 12. Dr. A. C. Leach came to take his place February 13. On August 20 the hospital staff was increased by the addition of a superintendent of nurses. Mrs. D. H. Kinney was appointed to the position. She resigned November 1, and Miss Elizabeth McPhail was appointed to fill the vacancy.

September 5 Dr. T. H. Ayer was appointed first assistant physician, to supersede Dr. R. W. Parker, who afterwards resigned November 30.

Very respectfully,

CHAS. H. COGSWELL, M.D.,  
*Physician.*



## RAINSFORD ISLAND.

*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the annual report of Rainsford Island for the year ending 1894.

During the past few months, while the buildings were being constructed on Long Island for the accommodation of the inmates now here have been nearing completion, I have been expecting their transfer any time, and consequently have endeavored to have everything in readiness when the time comes for the change.

The buildings here will be left in excellent repair, and painted in all parts inside where needed. Considering the number of years that the older part of the building has been in use I can confidently state that it is in much better repair and better adapted for institution purposes than it has been for the last five years. The most important suggestion I can make, should the building be used in the future for a similar purpose as at present, is that better heating facilities be provided.

This island is in a very exposed position. The north-west corner of the institution building is especially exposed. In stormy or cold weather it is impossible to keep that part of the building sufficiently warm for comfort.

I would also call the attention of the Commissioners to the necessity of removing the old grave marks in the burial-ground, and in place of the numbered wooden crosses which have always been used I would advise the substitution of small stone or slate slabs with the grave number cut in each. This is really very necessary as some of the older marks are becoming indistinct.

So much has been said and written recently, and so many opinions advanced how to find means to compel the inmates of pauper institutions to do a reasonable amount of work, I feel it my duty, in justice to the majority of the people in my charge, to state that I find no difficulty whatever in having nearly all the work on the island done by the inmates who are able to lend a hand.

The routine work from day to day is done by them under the supervision of the officers and matrons of the different departments.

For a few weeks during the past summer the old hospital building was used by Dr. Ernst as a summer hospital for children. During their stay on the island we endeavored to do all in our power to render the sisters in charge all the assistance possible in their good work, and I am gratified to state that the inmates in this institution worked nobly by doing a great amount of sewing and other necessary work for the little ones.

In closing, I wish to extend my thanks to Dr. Charles E. Dever for his faithful attention to the medical department in his charge, and also to the matrons who have always done their duty well. There has always been a small number of officers and matrons on this island, but they have always been ready, night or day, to do any extra duty demanded of them.

JOHN GALVIN,  
*Superintendent.*

ADMISSIONS, DISCHARGES, ETC., AT RAINSFORD ISLAND FOR  
THE YEAR ENDING JANUARY 31, 1895.

Remaining January 31, 1895 :		
Males . . . . .		18
Females . . . . .		254
		—
Total . . . . .		272
Discharged :		
Males . . . . .		20
Females . . . . .		328
		—
Total . . . . .		348
Admitted :		
Males . . . . .		16
Females . . . . .		370
		—
Total . . . . .		386
Discharged by death :		
Males . . . . .		0
Females . . . . .		22
		—
Total . . . . .		22
Largest number during the year :		
Males . . . . .		24
Females . . . . .		258
		—
Total . . . . .		282

## Smallest number during the year :

Males . . . . .	16
Females . . . . .	212
Total . . . . .	228

## Average during the year :

Males . . . . .	20
Females . . . . .	232
Total . . . . .	252

## SUMMARY OF CROPS.

4 tons hay.	175 chickens.
1,500 lbs. squash.	1,507 doz. eggs.
25 bushels sweet corn.	8,238 quarts milk.
5,000 cabbages.	17,333 lbs. pork.
20 bushels onions.	75 bushels spinach.
150 " turnips.	50 bunches asparagus.
75 " beets.	6 bushels beans.
45 " carrots.	12 bbls. apples.
50 " parsnips.	4,000 bedding plants.
50 " tomatoes.	1 bushel cucumbers.
1,500 plants of celery.	15 bushels onion sets.
5 bushels peppers.	200 melons.
15 " peas.	50 bushels Swiss chard
500 heads lettuce.	beets.
150 lbs. rhubarb.	2 tons corn fodder.

## REPORT OF RESIDENT PHYSICIAN.

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JOHN GALVIN, ESQ. *Superintendent of Rainsford Island Institution :*

SIR : I hereby respectfully submit the annual report of the medical department under your supervision :

Number of patients remaining in hospital February	
1, 1894 . . . . .	58
Admitted . . . . .	170
Total number treated in hospital . . . . .	228
Discharged . . . . .	148
Died . . . . .	22
Remaining in hospital January 31, 1895 . . . . .	58
Maximum number treated any one day . . . . .	60
Minimum " " " " " . . . . .	53
Daily average treated in hospital . . . . .	58
Number treated as "out-patients" . . . . .	2,027
" " in hospital . . . . .	228
Total number treated during the year . . . . .	2,255

## STATISTICS.

*Classified according to the Nomenclature as published by the Royal College of Physicians of London.*

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.	
		Admitted.	Well.	Improved.	Unimproved.	Died.		Total.
<b>A.</b>								
Peritonitis .....		1	1	..	..	..	1	..
Febricula .....		1	..	1	..	..	1	..
Erysipelas .....		2	2	..	..	..	2	..
Grippe .....		1	..	1	..	..	1	..
Typhoid fever .....		1	1	..	..	..	1	..
<b>B.</b>								
Rheumatism, acute .....	3	1	1	3	..	..	4	..
"    chronic .....	3	8	..	6	2	..	8	3
Tuberculosis, general .....	1	..	..	..	..	..	..	1
Phthisis pulmonalis .....	1	10	..	4	2	4	6	1
Tubercular knee .....	..	1	..	..	..	1	..	..
Senility .....	3	2	..	2	1	2	3	..
Debility .....	6	21	6	8	1	1	15	11
Alcoholism .....	..	8	7	1	..	..	8	..
Marasmus .....	..	4	2	..	..	2	2	..
DISEASES OF THE NERVOUS SYSTEM.								
Paralysis .....	1	..	..	..	..	..	..	1

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.
		Admitted.	Well.	Improved.	Unimproved.	Died.	
Paresis .....	1						1
Paraplegia.....	1			1			1
Hemiplegia.....		4	1	1		2	2
Sciatica .....		1	1			1	
Asthma.....		4	1	2	1	4	
Herpes zoster .....		1	1			1	
DISEASES OF THE INTELLECT.							
Dementia, senile .....	2	4		3		3	3
Alcoholic insanity .....		1		1		1	
Epilepsy.....		1		1		1	
Cerebral tumor.....	1						1
DISEASES OF THE CIRCULATORY SYSTEM.							
Valvular disease of the heart, aortic .....	2	3	2	1		2	2
Functional " " " " .....	3	5	5	1		5	2
Fatty degeneration of the heart.....	1						1
Cerebral hæmorrhage.....		5	1	3		1	1
Epistaxis .....		1		1		1	
DISEASES OF THE DIGESTIVE SYSTEM.							
Diarrhœa, acute.....		8	6		2	6	
"    chronic.....	1		1			1	
Gastritis, acute .....		3	1	1		2	1
"    chronic.....		1					1

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.
		Admitted.	Well.	Improved.	Unimproved.	Died.	
Constipation, chronic.....	1	.....	.....	.....	.....	.....	1
Jaundice, catarrhal.....	..	1	.....	.....	.....	.....	1
DISEASES OF THE URINARY SYSTEM.							
Cystitis.....	..	5	3	1	.....	4	1
Nephritis.....	..	1	..	1	.....	1	..
“    sub-acute.....	..	1	1	.....	.....	1	..
DISEASES OF THE CUTANEOUS SYSTEM.							
Epithelioma.....	2	1	1	.....	.....	1	2
Callositas.....	1	.....	..	1	.....	1	..
Psoriasis.....	..	1	1	.....	.....	1	..
DISEASES OF THE RESPIRATORY SYSTEM.							
Pleuritis.....	2	.....	2	.....	.....	2	..
“    sub-acute.....	..	1	..	1	.....	1	..
Hæmoptysis.....	1	.....	.....	.....	.....	.....	1
Bronchitis.....	..	5	1	1	..	2	2
“    chronic.....	3	5	..	3	..	2	3
“    capillary.....	1	1	..	1	.....	1	1
Laryngitis.....	2	1	2	.....	.....	2	1
Pneumonia.....	..	1	.....	.....	1	.....	..
Coryza.....	1	3	3	.....	.....	3	1
Pneumonia, convalescent.....	..	1	..	1	.....	1	..

DISEASES.	In Hospital Feb. 1, 1894.	DISCHARGED.					In Hospital Feb. 1, 1895.
		Admitted.	Well.	Improved.	Unimproved.	Died.	
<b>Surgical Diseases.</b>							
VENEREAL.							
Gonorrhœa .....	1	1	1	1	1	1	1
Syphilis .....		5	2	2		4	1
Chancroids .....		1					1
INJURIES.							
Contused wound of head .....		2	2			2	
“ “ “ eye .....		1	1			1	
Laceration of tendon .....	1						1
Sprained wrist .....		1		1		1	
Fracture of hip .....		1		1		1	
DISEASES OF THE EYE.							
Cataract .....	1				1	1	
Conjunctivitis .....		1		1		1	
Amaurosis .....		2					2
Iritis .....		2		1		1	1
DISEASES OF WOMEN.							
Menopause .....		1					1
UNCLASSIFIED.							
Ulcer of legs .....	7	15	11	7		18	4
Contractures .....	1				1	1	
Necrosis of fibula .....	1				1	1	



DISEASES.	In Hospital Feb. 1, 1894.	Admitted.	DISCHARGED.					In Hospital Feb. 1, 1895.
			Well.	Improved.	Unimproved.	Died.	Total.	
Atheroma.....	1	...	...	1	...	...	1	..
Synovitis .....	1	...	...	1	...	...	1	..
Osteitis .....	..	1	..	1	...	...	1	..
Appendicitis .....	..	1	1	...	...	...	1	..
Onychia .....	..	1	..	1	...	...	1	..
Anchylosis of knee .....	..	1	...	...	...	...	...	1
Ulcerated throat.....	..	1	1	...	...	...	1	..
"    rectum.....	..	1	1	...	...	...	1	..
Hæmorrhage of bowels .....	..	1	...	...	...	...	...	1
	58	170	64	68	16	22	148	58

The degree of health maintained among the inmates of the island during the past year has been remarkably good, considering the broken down condition in which most of them came here.

There has been but four cases of death from acute disease during the past year.

As a health resort for children during the summer months, I think, Rainsford has no equal in this section of the country; this has been fully demonstrated by results obtained at the summer hospital last season. An institution of this kind, supported by the city and under the control of the Commissioners of Public Institutions, would supply a want which is greatly needed.

To you, Mr. Galvin, I wish to express my gratitude for the kindly interest you have shown for one and all.

Respectfully,

CHAS. E. DEVER, M.D.,

*Physician.*

BOSTON, Feb. 1, 1895.

## MARCELLA-STREET HOME.

\* BOSTON HIGHLANDS, January 31, 1895.

*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the annual report of this institution for the year from January 31, 1894, to January 31, 1895. The number of inmates has been somewhat larger than in former years. The largest number at any one time was 446, in January, 1895; the smallest 376, in February, 1894; daily average, 412. We have boarded a daily average of 124, leaving in the institution a daily average of 288.

The number of children admitted since the opening of the institution, April, 1877, is 4,560.

*Number remaining January 31, 1894:*

Neglected boys	.	.	.	.	.	55
Pauper	"	.	.	.	.	166
Neglected girls	.	.	.	.	.	32
Pauper	"	.	.	.	.	123
						— 376

*Number received from January 31, 1894, to January 31, 1895:*

Neglected boys	.	.	.	.	.	28
Pauper	"	.	.	.	.	168
Neglected girls	.	.	.	.	.	8
Pauper	"	.	.	.	.	130
						— 334
Number in the institution during the year .						710

*Number discharged from January 31, 1894, to January 31, 1895:*

Neglected boys	.	.	.	.	.	14
Pauper	"	.	.	.	.	125
Neglected girls	.	.	.	.	.	17
Pauper	"	.	.	.	.	108
						— 264

*Number remaining January 31, 1895:*

Neglected boys	.	.	.	.	.	.	69
Pauper	"	.	.	.	.	.	209
Neglected girls	.	.	.	.	.	.	23
Pauper	"	.	.	.	.	.	144
						—	446
Highest number during the year	.	.	.	.	.	.	446
Lowest	"	"	"	"	.	.	376
Daily average	"	"	"	.	.	.	412

## HEALTH.

The general health of the inmates has been good. The three cases of ophthalmia that were received, and have since been cured, constitute all the ophthalmia there has been here. We have had four slight epidemics, one each of whooping-cough, chicken-pox, measles, and scarlet fever, and the most noteworthy fact of our hospital record for the year is their being so readily stamped out. Only one case ended fatally — a case of whooping-cough.

The excellent health of the inmates is due, in a great measure, to the sanitary conditions of the building and the quantity and quality of diet, and plenty of out-of-door exercise.

That our mortality is low is shown by comparing the large number of children cared for during the year, and the number of deaths during the same period, especially when it is known that all but two of the ten children who have died, were suffering from the diseases of which they died when admitted into the institution.

## SCHOOLS.

The schools constitute the most important part of the institution. We have every cause to be satisfied with the excellent corps of teachers, who are all doing good work and showing great interest in the children. They spare no pains to inspire the pupils with a genuine love of knowledge. The sewing school, under the direction of Misses Kate A. Clare and Ella L. Thomas, has been doing excellent work, and I can speak in only the highest terms of their ability as instructors. We are indebted to Mrs. Quincy A. Shaw for their services. The report of the principal of schools is appended.

## INDUSTRIAL.

No addition has been made to this department during the year, sewing-machine work in the girls' department being our only work.

This branch of the institution is worthy of your consideration.

The most progressive institutions of the country are providing suitable industrial training for their inmates, and I sincerely hope that some movement will soon be inaugurated towards providing something of the kind at this institution. We have no means at present of furnishing suitable employment for the inmates, a great many of whom are at just the age when something should be done. There is nothing like industrial work to aid in the formation of habits of industry and self-reliance. Inculcate into a child the habits of industry, instruct them to believe that industry is the parent of virtue, while idleness is the parent of vice, and you have marked out a course for them which, if followed, leads to success and respectability. While we might not be able to make skilled workmen of all, we could give them at least good manual instructions, and by that I mean teaching a lad how to handle certain tools, as the carpenter's, for the purpose of developing activity of the body, dexterity of the hand, and accuracy of the eye. These are the manual results. The moral results would be to have encouraged habits of industry, perseverance, independence, neatness, love of order, love for construction, and a respect for earnest labor; the mental results, to have quickened the intelligence and increased the accuracy of observation and carefulness of comparison. I would recommend the erection of a building on the lot owned by us, back of the main institution building, and the necessary appliances put into it for giving the boys instruction in carpentering, gas-fitting, and shoemaking. This could be done at an expense of about ten thousand dollars.

#### COUNTRY' HOMES.

The agent, Mr. John E. McCarthy, has placed 37 boys in country homes during the year, and 43 girls; total, 80 children. Eight of these, however, returned to the institution. Judging from our children for whom he has in years past found homes, he uses excellent judgment in this work, for the most of these are becoming noble men and women in their new homes.

#### LIBRARY AND READING-ROOM.

The library contains 700 volumes, 80 having been added during the year. The books are instructive and pleasing. Suitable weekly and monthly magazines are furnished the reading-room.

## RELIGIOUS SERVICES.

The religious services have been conducted for the Catholics by Rev. Frs. Quigley and Fullerton; for the Protestants by the Rev. D. W. Waldron.

## BAKERY.

*Loaves of Bread Baked during the Year.*

84,367	loaves of bread baked during the year.		
40,688	loaves for Marcella-st. Home,	weighing	101,720 lbs.
18,622	“ “ Charlestown Almshouse,	“	46,555 “
25,057	“ “ Austin Farm,	“	62,642 “

*Ginger Cookies Baked.*

36,143	cookies for Marcella-st. Home.
2,450	“ “ Charlestown Almshouse.
12,120	“ “ Austin Farm.

774 barrels of flour have been used for the above food.

## BOARDING.

Quite a number of the inmates have been boarded at farms during a great part of the year. This has no doubt greatly assisted the agent in securing places, as people living near the boarding-places were able to see the children and make a selection without travelling to the city. A more extended account of this branch will be found in the Nursery Department report, as it was for this department that we inaugurated the plan. We have boarded them in very comfortable places, and no child placed where the few dollars maintenance money obtained was apparently the only object in taking the children.

## EXPENSES.

The expenses of the institution have been \$44,776.03, or \$2.93 weekly net cost *per capita* for the year. In making up this average cost the expenses of those in the institution only have been considered, plus the expenses of clothing and medicine furnished those boarding out, the expense of those boarding having been paid out of Pauper Expenses.

## ENTERTAINMENTS.

The monotony of the daily routine is relieved by the omission of school on Saturday, the proper observance of Sunday, the entertainments which are given them on holi-

days, and by the monthly visitation days which are very enjoyable both for the children and their friends.

The munificence of Mrs. Quincy A. Shaw and Mrs. George G. Lowell has furnished special instruction to the children. We are also indebted to the band of young ladies who have so kindly and faithfully visited the institution weekly for the purpose of entertaining the children and bringing them words of cheer and comfort. The amount of good that their visits have done cannot be overestimated, and I sincerely hope that they will continue the good work in the future.

During the past month, Dr. F. J. Weller has acted as superintendent, and to him I am greatly indebted. He has managed the institution with excellent judgment and care.

The cares and responsibilities in the superintendence of an institution like this are necessarily great, and in bearing them there is need of much encouragement. It is, therefore, with unfeigned gratitude that I acknowledge the hearty support and encouragement that have been invariably extended to me by the Commissioners, and especially by the Chairman, Dr. T. L. Jenks.

Respectfully submitted,

A. B. HEATH,  
*Superintendent.*

## HOSPITAL REPORT.

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*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the report of the hospital of this institution. The following diseases have been treated:

### *Diseases of the Respiratory Organs.*

Pneumonia . . . . .	9	Marasmus . . . . .	2
Bronchitis . . . . .	5	Phthisis . . . . .	2
Hemorrhage . . . . .	1	Whooping-cough . . . . .	15

### *Diseases of the Digestive Organs.*

Cholera-infantum . . . . .	1	Diarrhœa . . . . .	4
Jaundice . . . . .	1		

### *Diseases of the Nervous System.*

Paralysis . . . . .	1
---------------------	---

### *Fevers and General Diseases.*

Scrofula . . . . .	5	Measles . . . . .	7
Erysipelas . . . . .	2	Febricula . . . . .	26
Chicken-pox . . . . .	6	Meningitis . . . . .	1
Scarlet fever . . . . .	17	Mumps . . . . .	1

### *Skin Diseases.*

Eczema . . . . .	6	Ringworm . . . . .	8
Ichthyosis . . . . .	1	Lupus . . . . .	1
Urticaria . . . . .	1	Acne . . . . .	1

### *Diseases of the Throat.*

Tonsillitis . . . . .	12	Laryngitis . . . . .	1
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### *Diseases of the Ear.*

Otorrhea . . . . .	22
--------------------	----

### *Diseases of the Eye.*

Ophthalmia . . . . .	3
----------------------	---

### *Diseases of the Heart.*

Valvular disease . . . . .	1
----------------------------	---



*Surgical.*

Wounds . . . . .	6	Ulcers . . . . .	12
Fracture radius . . . . .	1	Fistulous opening . . . . .	1
Shortening of leg . . . . .	1	Burns . . . . .	1
Paronychia . . . . .	1	Spinal curvature . . . . .	4
White swelling . . . . .	1	Prolapsus . . . . .	1
Obstruction to tear-passage . . . . .			1

*Unclassified.*

Vaccinations . . . . .	81
Teeth extracted . . . . .	18
Admitted for observation . . . . .	334
Hernia . . . . .	2
General debility . . . . .	1
Congestion of brain . . . . .	1

The number of children remaining in the hospital this day is 11, with the following-named diseases:

Lupus . . . . .	1	Pneumonia . . . . .	5
Ringworm . . . . .	1	Febricula . . . . .	3
Fracture radius . . . . .	1		

We have had four deaths in the schools, as shown by the table below:

Cause of Death.	Age of Child.
Congestion of brain . . . . .	4 years 11 months.
Membranous laryngitis . . . . .	6 " 9 "
Tubercular meningitis . . . . .	8 " 7 "
Phthisis . . . . .	8 " 8 "

To the energy and intelligence of the nurses are largely due the good results obtained.

The institution needs a hospital building separate from the institution.

Respectfully submitted,

A. B. HEATH,  
*Physician.*

## REPORT OF PRINCIPAL TEACHER.

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MARCELLA-STREET HOME, January 31, 1895.

*To the Commissioners of Public Institutions :*

GENTLEMEN : The report of the schools of this institution for the year just ended is herewith respectfully submitted.

The efficiency of your present corps of teachers is well testified to by the excellent condition in which it has given me pleasure to find the schools. This high standard has been reached through the energetic efforts of Mr. Joseph C. Pelletier whose resignation as Principal has so recently been the cause of much regret.

Miss Emma McCarthy, after several years of commendable service, has seen fit to sever her connection with this department. She has been succeeded by her sister, Miss Lila J. McCarthy.

Miss Chaffin no longer teaches the Kindergarten. Her place has been taken by Miss Dorothy Outerbridge.

The substitute teachers during the year have been Miss Decatur and Miss M. F. Murphy.

There are now in this school two classes of girls and four of boys, as well as the Kindergarten, which includes both boys and girls, and which is still under the patronage of Mrs. Quincy A. Shaw.

Mrs. Lowell has also shown her noble sentiments by procuring Miss McWilliams as the tutor to one of our invalid boys. His progress has been remarkable under her care.

The average daily attendance in the schools has been very good ; in fact, it seems to have surpassed that of any other year. This has been accomplished by your excellent skill in cutting short the alarming spread of the scarlet-fever epidemic which threatened to close the classes during the latter part of the year.

The usual statistics follow :

Pupils remaining January 31, 1894	259
“ admitted during the year	265
Total number of pupils taught	524
Pupils discharged during the year	195
“ remaining January 31, 1895	329

Not included in the above figures we have children in other institutions as follows:

Deaf and Dumb Asylum, Hartford, Conn. . . . .	1
Perkins Institution for the Blind . . . . .	4

The average age of children taught during the year has been (8) eight years.

Respectfully submitted,

JOSEPH C. DRUM,

*Principal.*

## N U R S E R Y.

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*To the Commissioners of Public Institutions:*

GENTLEMEN: I respectfully submit the following report of the Nursery Department of this institution:

Number remaining January 31, 1894 . . . . .	52
“ admitted from January 31, 1894, to January 31, 1895 . . . . .	101
“ discharged from January 31, 1894, to January 31, 1895 . . . . .	87
“ died from January 31, 1894, to January 31, 1895 . . . . .	6
“ cared for from January 31, 1894, to January 31, 1895 . . . . .	153
“ remaining January 31, 1895 . . . . .	66

Ages of those admitted:

Under 6 months . . . . .	5
Between 6 months and 12 months . . . . .	3
“ 12 “ “ 18 “ . . . . .	13
“ 18 “ “ 24 “ . . . . .	18
“ 24 “ “ 36 “ . . . . .	25
“ 36 “ “ 48 “ . . . . .	37
	101

There have been six deaths in the Nursery during the year, as shown by the table below:

Cause of Death.	Age of Child.
Marasmus . . . . .	4 months.
Cholera-infantum . . . . .	11 “
Bronchitis and chronic diarrhœa . . . . .	18 “
Whooping-cough . . . . .	19 “
Chronic bronchitis . . . . .	22 “
Scrofula and angular curvature of spine . . . . .	35 “

The first child was received in the Nursery Department September 2, 1885:

	Received.	Cared for.	Died.	Death-rate.
Between Sept. 2, 1885, and Dec. 31, 1885..	46	46	1	2.1
“ Dec. 31, 1885, “ “ 1886..	122	157	31	19.7
“ “ 1886, “ “ 1887..	98	180	24	13.3
“ “ 1887, “ “ 1888..	118	210	10	4.7
“ “ 1888, “ “ 1889..	96	182	7	3.8
“ “ 1889, “ “ 1890..	82	173	3	1.7
“ “ 1890, “ “ 1891..	108	185	9	4.8
“ “ 1891, “ Jan. 31, 1893..	106	175	9	5.1
“ Jan. 31, 1893, “ “ 1894..	74	129	6	4.6
“ “ 1894, “ “ 1895..	101	153	6	3.9

We continue, as in former years, to board them out, and with the happiest results. This is the only proper method of dealing with infants. It insures individual care, and country air and food. I have kept in the Nursery building only such cases as required medical treatment. Great care is used in the selection of boarding-places, and not more than two infants are placed in one family. Only those families that had farms, and were able to have the best of milk, were selected.

The infants are often visited, and are retained in such boarding-places as can furnish them the very best care. In only a few instances have we been obliged to remove children from boarding-places; and in these cases the cause was ignorance of proper methods of caring for the babies, and not to wilful negligence. Babies cannot receive in large institutions the necessary attention which it is possible to give them in private families. This plan seems to me to be the only one to be carried on with satisfactory results; and I trust that it has been satisfactory enough to your Board to continue the custom in the future.

Respectfully submitted,

A. B. HEATH,

*Superintendent.*

## ALMSHOUSE, CHARLESTOWN.

---

ALFORD STREET, CHARLESTOWN DISTRICT,  
BOSTON, January 31, 1895.

*To the Commissioners of Public Institutions :*

GENTLEMEN : I respectfully submit the annual report of this institution for the year 1894 :

Number remaining January 31, 1894 :

Males . . . . .	55
Females . . . . .	111
Total . . . . .	<hr/> 166

Admitted from February 1, 1894, to January 31, 1895 :

Males . . . . .	88
Females . . . . .	56
Total . . . . .	<hr/> 144

Discharged from February 1, 1894, to January 31, 1895 :

Males . . . . .	82
Females . . . . .	67
Total . . . . .	<hr/> 149

Remaining January 31, 1895 :

Males . . . . .	59
Females . . . . .	102
Total . . . . .	<hr/> 161

Largest number during the year . . . . .	170
Smallest . . . . .	146
Average . . . . .	157

Three males and five females have died during the year ; the average age of the decedents being  $63\frac{1}{2}$  years ; of the admissions one was by birth of a female child, August 8, 1894.

The health of the inmates has been remarkably good for the entire year, as the number of deaths will indicate, being but a trifle more than one-third of the number of last year.

Religious services have been held and entertainments given as usual.

Dr. R. W. Sprague, our visiting physician, attends to the sick with unvariable success.

The matrons are prompt in the discharge of their duties.

The garden has fully come up to my expectations. We have raised all the green fodder that two cows could dispose of; sweet corn, tomatoes, cabbage, beets, carrots, parsnips, turnips, beans, peas, cucumbers, radishes, celery, melons, Swiss chard beets for greens, peppers, etc.

I wish to extend to all our kind friends my sincere thanks, and the thanks of the inmates of this institution, for those gifts of flowers, books, papers, cards, etc., and to those who have contributed to the success of religious services and entertainments. I wish to assure them that their efforts were appreciated.

Thanking the honorable commission for kind advice and courteous treatment.

I remain, very respectfully,

CHANDLER EASTMAN,

*Superintendent.*

## PHYSICIAN'S REPORT.

---

BOSTON, January 31, 1895.

TO CHANDLER EASTMAN, *Superintendent, Charlestown  
District Almshouse:*

SIR: As visiting physician to the institution under your charge, I submit the following report for the year ending January 31, 1895:

General good health has prevailed among the inmates, and there has been perfect immunity from epidemics, chronic diseases, as in previous years, principally calling for treatment.

There were eight deaths, of these five were females and three males, classified as follows: Paralysis, 2; paresis, 1; erysipelas, 1; Bright's disease, 1; hemorrhage of stomach, 1; chronic bronchitis, 1; heart disease, 1.

Permit me to thank you and Mrs. Eastman for the many courtesies extended to me personally, and the kindness and attention paid to the patients under my care; also the matrons for the faithful manner in which they have cared for the sick.

Respectfully,

R. W. SPRAGUE, *M.D.*



## REPORT OF AGENT FOR DISCHARGED MALE PRISONERS.

---

14 BEACON STREET, BOSTON, January 31, 1895.

*To the Commissioners of Public Institutions :*

GENTLEMEN : I respectfully submit to you a detailed account of the duties of this department for the year ending January 31, 1895, and which consists of the aiding of discharged male prisoners from city institutions ; investigating applications for the release of prisoners : investigating the homes of House of Reformation and truant boys and neglected children from the Marcella-street Home, whose parents or others apply for their release ; the obtaining of free homes for all House of Reformation boys and children of the Marcella-street home, who are not returned to their own homes ; and the visitation of all indentured and boarded-out children.

Fourteen hundred and thirty discharged male prisoners have been advised and assisted during the year, as follows : 315 were furnished transportation to their homes or to where employment awaited them in various parts of this and other New England States ; 862 to meals and lodging ; 51 to articles of clothing ; 27 to gratuities of money ; and 175 in various other ways.

The Agent for Discharged Female Prisoners, Miss Sarah P. Burnham, has rendered timely aid and assistance to some six hundred women discharged from the House of Industry and House of Correction.

### PARDONS.

Nineteen hundred and thirty-one applications for the release of inmates were received during the year and reported to your Board ; 225 of those from the House of Industry, House of Correction, and jail were referred, by your request, to the probation officers of the Central and District Courts for investigation and report, 60 of which were recommended and concurred in by the judge who passed sentence, and in cases from the Superior Court, by the District Attorney. These are classified in the following tables :

	Applica- tions for Pardons.	Pardons granted on Probation.	Men.	Women.	Pardons Refused.
Jail.....	11	9	9	.....	2
House of Correction.....	124	66	52	14	58
House of Industry.....	1,632	1,361	1,076	285	271
			Boys.	Girls.	
House of Reformation...	73	53	53	.....	20
Truant-School .....	75	74	73	1	1
Marcella-street Home ...	16	1	1	.....	15
<b>Total .....</b>	<b>1,931</b>	<b>1,564</b>	<b>1,264</b>	<b>300</b>	<b>367</b>

COURTS.	Applications Referred.	Pardons Recommended.	Pardons not Recommended.
Central .....	161	30	131
South Boston .. .....	17	7	10
Charlestown.....	15	6	9
East Boston .....	11	7	4
Roxbury .....	8	.....	8
Dorchester .....	5	2	3
Brighton .....	4	4	.....
West Roxbury.....	1	1	.....
Chelsea .....	3	3	.....
<b>Total .....</b>	<b>225</b>	<b>60</b>	<b>165</b>

## HOUSE OF REFORMATION.

Before the release, on probation, to parents, relatives, or friends, of any inmate of this school, the agency is required to investigate the home to which it is proposed to send him, and the report usually contains such information as warrants the Commissioners in releasing such inmates or withholding such release. Commitments to this school are during minority, and those released on probation are subject to recall for any violation of their probation, and, without further warrant or authority, cause him to be remanded and confined for the unexpired term of his sentence. Six boys from the printing department have found good situations in this city and vicinity, and twenty others from the school department, having no homes or friends, or, if any, not suitable to have control of them, found employment or were indentured.

## HOMES FOR CHILDREN.

This portion of the work is the finding of suitable places in families for orphan and neglected children, or for those whose parents cannot or will not provide for them, thus furnishing these minor wards the nearest possible approach to a home, and saving the city the cost of their support.

Special means are employed for finding homes. The usual one of personal search for suitable persons to take children, being continued.

Two hundred and twenty-seven applications from persons to take children were received and investigated. One hundred of these were filled, and the remaining one hundred and twenty-seven were unfilled, because suitable children were not found, or on account of places offered being unsatisfactory. In the pursuance of families, inquiry has been directed to the character of the applicant, the influence with which he would surround a child, the disposition to do justly by a child, and towards all other points of character or circumstances which might affect the well-doing of the child.

## BOARDING.

The placing-out of infants from the Nursery department of the Marcella-street Home, in farmers' families where their board is paid, is continued, and 112 children are at present in such families. Care is exercised in the selection of houses, and visitation frequent. Many unsuitable applications are made for such children by families who would like to maintain themselves, in part, at the expense of the child, but these are refused.

They are visited regularly by the lady visitor of the board, and are also under the vigilant supervision of Supt. Dr. Heath. Five boys and four girls from the Nursery, and three girls and four boys from the School department, have found permanent homes with those with whom they had been boarding, or with others, during the past year.

#### VISITATION OF CHILDREN.

Under this head your agent is required to visit all children in charge of the city who have been indentured or placed in charge of any family or person by your Board, the purpose being to inquire into their treatment, health, associations, and to see that their legal rights have been observed, and to remove a child, at any time, when, in his opinion, the interest of the child requires. The whole number subject to visitation during the year was 565 in permanent homes, and 177 boarding; three visits a year being made to the former and fortnightly visits to the latter, making an aggregate of 5,948 visits made.

Much time is spent in visiting these wards of the city scattered throughout New England, some requiring more frequent visits than others, in order to keep them in their places, while many require several transfers yearly, from one place to another, without a return to the institution, before they can be suitably located. In connection with the visitation of children, homes are sought for others, and the clergy, both Catholic and Protestant, continue their interest in assisting your agent in procuring homes for those of their respective faiths.

Sixty-five indentured children have passed from the control of the Board since my last report in the following ways :

	Boys.	Girls.	Total.
Arrived at age . . . . .	29	13	42
Married . . . . .	0	2	2
State charges . . . . .	2	2	4
Died . . . . .	1	0	1
Absconded, not yet located . . . . .	8	0	8
To friends . . . . .	5	1	6
Guardian appointed . . . . .	1	1	2
	—	—	—
Total . . . . .	46	19	65

Number of children placed in permanent homes during the year :

	Boys.	Girls.	Total.
From House of Reformation . . . . .	20	0	20
“ Marcella-street Home . . . . .	37	43	80
Total . . . . .	57	43	100

Total number at present in homes procured for them and subject to visitation at the close of the year :

	Boys.	Girls.	Total.
House of Reformation . . . . .	41	0	41
Marcella-street Home . . . . .	230	190	420
Children boarding . . . . .	44	68	112
Total . . . . .	315	258	573

Location of children in permanent homes and boarding :

	Cities and Towns.	Children.
In Massachusetts . . . . .	104	368
In New Hampshire . . . . .	42	88
In Vermont . . . . .	14	34
In Maine . . . . .	18	38
In Connecticut . . . . .	3	7
In Rhode Island . . . . .	5	9
Other States . . . . .	12	29
Total . . . . .	198	573

The ages of children placed on indenture in the past year are as follows :

Over 1 year and under 3 . . . . .	6
“ 3 “ “ “ 6 . . . . .	13
“ 6 “ “ “ 10 . . . . .	24
“ 10 “ “ “ 12 . . . . .	29
“ 12 “ “ “ 16 . . . . .	28
Total . . . . .	100

#### CONCLUSION.

Whole number of children placed in free homes during the year, 100. Number for whom board was paid, 177. Number at present outside of the institution and subject to visitation, 573. Number transferred from one family to another, 62. To Marcella-street Home, 8.

The health of the indentured children has been unusually good. But one death occurred during the year.

The assistant agents, Mrs. E. C. Dresser and Mr. D. F. Lynch have been diligent and faithful in the discharge of their duties.

I am under obligation to Superintendent Dr. A. B. Heath for his cordial coöperation in all matters pertaining to my duties in connection with the Marcella-street Home.

In closing I desire to thank the Board, and especially the Chairman, Dr. Jenks, for the support and encouragement extended to me, and for the interest they have at all times taken in the welfare of the wards of the city.

Respectfully yours,

JOHN E. MCCARTHY,

*Agent.*



ANNUAL REPORT

OF THE

REGISTRATION OF VOTERS DEPARTMENT

FOR THE YEAR 1894.

BOSTON, January 28, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In compliance with the requirements of the Revised Ordinances, the Board of Registrars of Voters respectfully submit their annual report for 1894.

The expenditures of the department for the financial year beginning February 1, 1894, and ending January 31, 1895, are as follows, viz.:

Salary of Registrars . . . . .	\$9,000 00
Assistant Registrars and Clerks . . . . .	19,556 72
Printing . . . . .	4,994 08
Stationery . . . . .	853 65
Janitors . . . . .	1,223 00
Publishing names in newspaper . . . . .	853 95
Advertising . . . . .	997 54
List of assessed polls . . . . .	3,242 93
Jury list . . . . .	247 81
Contingent . . . . .	2,507 93

\$43,477 61

The following pages show, in tabulated form, the assessed polls, registered voters, and votes cast in this city at the State and Municipal elections of 1894.

Respectfully submitted,

LINUS E. PEARSON,  
MICHAEL CARNEY,  
JOHN A. COLLINS,

*Board of Registrars of Voters.*



TABULATED STATEMENT

OF

ASSESSED POLLS, REGISTERED VOTERS, AND  
VOTES CAST AT STATE AND MUNICIPAL  
ELECTIONS,

1894.



Assessed Polls, State Election, 1894.

Wards.	Assessors' Returns. (Regular.)	Supplementary to State Election.	Totals.
1.....	6,368	95	6,463
2.....	5,064	136	5,200
3.....	4,013	71	4,084
4.....	4,008	73	4,081
5.....	4,128	73	4,201
6.....	3,876	303	4,179
7.....	3,502	148	3,650
8.....	4,370	134	4,504
9.....	3,715	104	3,819
10.....	2,924	69	2,993
11.....	7,640	121	7,761
12.....	3,229	242	3,471
13.....	6,441	231	6,672
14.....	7,730	133	7,863
15.....	5,179	116	5,295
16.....	5,076	229	5,305
17.....	4,742	200	4,942
18.....	4,732	74	4,806
19.....	7,242	173	7,415
20.....	8,109	150	8,259
21.....	7,688	58	7,746
22.....	6,484	86	6,570
23.....	8,370	85	8,455
24.....	10,718	72	10,790
25.....	4,441	58	4,499
Totals.....	139,789	3,234	143,023

## Registered Voters (men) at State Election, 1894.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1 ....	428	422	334	496	429	495	543	495	648
2 ....	479	386	505	433	361	416	555	.....	.....
3 ....	490	527	467	522	548	472	.....	.....	.....
4 ....	484	450	516	500	475	362	.....	.....	.....
5 ....	434	509	467	329	549	422	.....	.....	.....
6 ....	417	437	391	414	357	.....	.....	.....	.....
7 ....	333	277	251	312	342	.....	.....	.....	.....
8 ....	299	344	384	353	385	362	.....	.....	.....
9 ....	468	449	425	493	395	.....	.....	.....	.....
10 ....	430	427	306	349	.....	.....	.....	.....	.....
11 ....	363	345	413	340	430	491	294	456	514
12 ....	273	348	349	435	368	.....	.....	.....	.....
13 ....	206	348	379	429	382	395	379	309	339
14 ....	374	450	438	422	478	422	441	489	459
15 ....	344	365	427	357	462	483	370	667	.....
16 ....	413	416	353	429	370	392	.....	.....	.....
17 ....	393	402	370	353	368	431	379	285	.....
18 ....	398	467	456	413	436	411	445	.....	.....
19 ....	462	371	406	375	460	486	421	503	370
20 ....	472	382	365	405	382	391	441	439	300
21 ....	356	444	355	385	493	577	387	376	435
22 ....	595	329	307	322	321	420	375	424	307
23 ....	504	474	481	366	512	275	366	419	541
24 ....	566	464	429	538	425	330	354	456	343
25 ....	570	504	549	427	511	447	.....	.....	.....
Total ..	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of men assessed who registered, 61.02.

## Registered Voters (men) at State Election, 1894.

PRECINCTS.							Totals.	Per cent. as- sessed polls registered by Wards.	Wards.
10.	11.	12.	13.	14.	15.	16.			
.....	.....	.....	.....	.....	.....	.....	4,290	66.38	.... 1
.....	.....	.....	.....	.....	.....	.....	3,135	60.29	.... 2
.....	.....	.....	.....	.....	.....	.....	3,026	74.09	.... 3
.....	.....	.....	.....	.....	.....	.....	2,787	68.29	.... 4
.....	.....	.....	.....	.....	.....	.....	2,710	64.51	.... 5
.....	.....	.....	.....	.....	.....	.....	2,016	48.24	.... 6
.....	.....	.....	.....	.....	.....	.....	1,515	41.51	.... 7
.....	.....	.....	.....	.....	.....	.....	2,127	47.22	.... 8
.....	.....	.....	.....	.....	.....	.....	2,230	58.39	.... 9
.....	.....	.....	.....	.....	.....	.....	1,512	50.52	.... 10
505	561	.....	.....	.....	.....	.....	4,712	60.71	.... 11
.....	.....	.....	.....	.....	.....	.....	1,773	51.08	.... 12
.....	.....	.....	.....	.....	.....	.....	3,166	47.45	.... 13
399	411	401	.....	.....	.....	.....	5,184	65.93	.... 14
.....	.....	.....	.....	.....	.....	.....	3,475	65.63	.... 15
.....	.....	.....	.....	.....	.....	.....	2,373	44.73	.... 16
.....	.....	.....	.....	.....	.....	.....	2,981	60.32	.... 17
.....	.....	.....	.....	.....	.....	.....	3,026	62.96	.... 18
.....	.....	.....	.....	.....	.....	.....	3,854	51.98	.... 19
462	412	572	525	.....	.....	.....	5,548	67.18	.... 20
576	529	604	.....	.....	.....	.....	5,517	71.22	.... 21
537	.....	.....	.....	.....	.....	.....	3,937	59.92	.... 22
417	476	381	439	196	.....	.....	5,847	69.15	.... 23
702	355	396	700	536	527	404	7,530	69.79	.... 24
.....	.....	.....	.....	.....	.....	.....	3,008	66.86	.... 25
.....	.....	.....	.....	.....	.....	.....	87,279		

## Number of Votes cast for Governor at State Election, 1894.

Wards.	PRECINCTS.																								
	1.				2.				3.				4.				5.								
	Greenhalge.	Russell.	Carey.	Richardson.	Taylor.	Greenhalge.	Russell.	Carey.	Richardson.	Taylor.	Greenhalge.	Russell.	Carey.	Richardson.	Taylor.	Greenhalge.	Russell.	Carey.	Richardson.	Taylor.					
1 ...	56	256	2	1	4	265	69	..	4	2	250	26	..	13	..	320	59	3	4	2	277	50	4	6	..
2 ...	77	280	3	3	1	109	171	1	5	5	137	234	2	5	3	91	230	3	..	3	75	185	1	4	4
3 ...	258	105	5	10	1	147	224	8	9	9	158	210	2	6	2	71	279	15	3	8	85	317	5	3	4
4 ...	99	258	6	10	2	222	88	7	17	3	235	135	1	6	3	199	166	5	5	2	72	285	2	1	2
5 ...	210	91	4	12	1	153	237	1	7	4	36	302	1	3	4	106	138	5	4	..	116	286	4	6	5
6 ...	33	293	2	4	8	71	254	6	4	5	29	276	..	1	2	54	306	1	1	1	105	148	2	2	2
7 ...	18	207	5	..	2	41	170	1	..	5	62	105	3	1	1	31	163	7	3	3	111	108	6	10	12
8 ...	92	94	10	10	8	77	177	5	4	4	42	241	..	2	8	63	196	2	..	16	74	200	3	1	17
9 ...	166	168	2	9	2	214	94	5	9	1	200	51	3	4	4	217	118	15	10	4	105	166	3	1	6
10 ...	224	77	5	13	2	209	92	12	9	..	162	65	6	8	1	122	125	5	1	7	....	....	..	..	..
11 ...	164	105	1	..	..	182	74	..	3	..	238	65	1	..	..	177	72	1	4	..	134	158	8	..	9
12 ...	27	176	9	1	3	37	209	36	..	7	36	216	3	5	7	95	213	5	9	7	144	98	11	11	7
13 ...	14	130	5	1	3	24	196	10	3	3	35	217	11	1	8	50	255	12	1	6	27	241	11	3	5
14 ...	81	197	4	..	4	92	251	5	1	3	41	299	11	1	4	139	192	2	5	1	180	173	5	2	3
15 ...	33	220	3	2	4	54	231	5	2	7	119	209	7	..	2	116	167	8	4	1	170	214	4	1	3
16 ...	117	156	8	4	14	169	86	7	4	11	95	156	5	3	6	168	144	6	5	13	59	196	9	..	14
17 ...	222	68	4	6	2	231	75	3	9	..	194	73	3	8	6	187	82	5	4	..	98	165	5	6	3
18 ...	238	59	7	5	2	264	80	9	7	2	262	92	4	10	3	216	82	3	9	1	212	91	5	4	3
19 ...	110	215	9	4	20	65	174	5	1	4	116	170	9	4	4	141	117	11	4	11	185	146	15	13	3
20 ...	91	231	6	4	7	60	230	9	..	1	130	138	7	3	..	177	136	4	7	1	64	241	4	..	9
21 ...	168	78	3	3	1	155	147	4	6	4	183	76	5	4	..	105	160	4	2	6	108	235	4	1	6
22 ...	290	114	1	3	1	106	104	7	3	3	60	156	2	3	5	39	193	5	3	12	58	195	5	1	9
23 ...	181	153	9	6	28	167	145	14	9	13	168	164	7	5	7	188	68	8	8	7	222	116	8	9	9
24 ...	284	148	7	6	..	196	105	41	6	1	193	123	2	8	6	182	189	5	5	..	92	219	8	5	..
25 ...	245	154	2	10	3	322	74	5	7	1	201	196	3	6	2	86	230	11	6	2	194	228	2	1	2
Totals	...	...	..	..	..	...	..	..	..	..	...	...	..	..	..	...	...	..	..	..	...	...	..	..	..

Proportion of men registered who voted for Governor, 75.86 per cent.







Number of Votes cast for Governor at State Election, 1894. — *Concluded.*

PRECINCTS.										Total for Greenhalge.	Total for Russell.	Total for Carey.	Total for Richardson.	Total for Taylor.	Total for gubernatorial Candidates.	Wards.
15.					16.											
Greenhalge.	Russell.	Carey.	Richardson.	Taylor.	Greenhalge.	Russell.	Carey.	Richardson.	Taylor.							
....	....	..	..	..	....	....	..	..	..	1,991	1,241	19	52	17	3,320	... 1
....	....	..	..	..	....	....	..	..	..	673	1,576	19	38	20	2,326	... 2
....	....	..	..	..	....	....	..	..	..	752	1,441	37	32	29	2,291	... 3
....	....	..	..	..	....	....	..	..	..	961	1,047	24	46	14	2,092	... 4
....	....	..	..	..	....	....	..	..	..	737	1,245	23	35	15	2,055	... 5
....	....	..	..	..	....	....	..	..	..	292	1,277	11	12	18	1,610	... 6
....	....	..	..	..	....	....	..	..	..	263	753	22	14	23	1,075	... 7
....	....	..	..	..	....	....	..	..	..	391	1,166	22	18	55	1,653	... 8
....	....	..	..	..	....	....	..	..	..	902	597	28	33	17	1,577	... 9
....	....	..	..	..	....	....	..	..	..	717	359	28	31	10	1,145	... 10
....	....	..	..	..	....	....	..	..	..	2,281	982	54	52	25	3,394	... 11
....	....	..	..	..	....	....	..	..	..	339	912	64	26	31	1,372	... 12
....	....	..	..	..	....	....	..	..	..	323	1,897	72	14	51	2,357	... 13
....	....	..	..	..	....	....	..	..	..	1,680	2,261	64	39	54	4,098	... 14
....	....	..	..	..	....	....	..	..	..	940	1,743	47	22	35	2,787	... 15
....	....	..	..	..	....	....	..	..	..	650	958	40	16	73	1,737	... 16
....	....	..	..	..	....	....	..	..	..	1,186	997	40	43	17	2,283	... 17
....	....	..	..	..	....	....	..	..	..	1,453	768	43	43	24	2,331	... 18
....	....	..	..	..	....	....	..	..	..	1,091	1,507	85	43	68	2,881	... 19
....	....	..	..	..	....	....	..	..	..	1,865	2,322	75	52	34	4,348	... 20
....	....	..	..	..	....	....	..	..	..	2,407	1,464	53	68	23	4,015	... 21
....	....	..	..	..	....	....	..	..	..	1,027	1,820	64	27	60	2,998	... 22
....	....	..	..	..	....	....	..	..	..	2,331	1,712	109	79	103	4,334	... 23
259	103	7	8	2	168	100	5	5	3	3,532	1,966	125	123	24	5,770	... 24
....	....	..	..	..	....	....	..	..	..	1,247	1,045	25	38	10	2,365	... 25
....	....	..	..	..	....	....	..	..	..	30,031	33,143	1,193	996	850	66,214	

Blackwell had 1 in Precinct 5, Ward 8.

**Votes cast for Congressmen, State Election, 1894.**  
SEVENTH CONGRESSIONAL DISTRICT.

Ward 4.	Barrett.*	Buttrick.	Hamilton.	Peare.	Ramsdell.
Precinct 1.....	103	6	275	2	4
“ 2.....	229	8	82	3	5
“ 3.....	255	5	129	3	2
“ 4.....	153	4	214	2	3
“ 5.....	66	2	278	0	0
“ 6.....	138	7	99	1	3
Totals .....	944	32	1,077	11	17
Ward 5.					
Precinct 1.....	210	4	91	0	6
“ 2.....	142	10	239	3	1
“ 3.....	30	1	300	3	2
“ 4.....	107	2	140	1	4
“ 5.....	111	7	285	3	3
“ 6.....	112	2	188	4	5
Totals .....	712	26	1,243	14	21
Grand totals .....	1,656	58	2,320	25	38

\* Elected.

Registered voters, 5,497.

Votes cast, 4,097.

Proportion of men registered who voted, 74.53 per cent.

The balance of this district is composed of the following cities and towns: Chelsea, Everett, Lynn, Malden, Melrose, Nahant, Revere, Saugus, Stoneham, and Wakefield.

Votes cast for Congressmen, State Election, 1894.

EIGHTH CONGRESSIONAL DISTRICT.

Ward 9.		Conant.	McCall.*	Porter.
Precinct	1 .....	158	175	9
"	2 .....	83	224	8
"	3 .....	52	208	4
"	4 .....	113	236	8
"	5 .....	159	103	6
Totals .....		565	946	35
Ward 10.				
Precinct	1 .....	76	235	7
"	2 .....	86	210	21
"	3 .....	66	159	11
"	4 .....	124	119	9
Totals .....		352	723	48
Ward 11.				
Precinct	1 .....	104	163	1
"	2 .....	72	188	....
"	3 .....	58	242	1
"	4 .....	74	178	1
"	5 .....	153	129	15
"	6 .....	147	181	10
"	7 .....	53	141	2
"	8 .....	66	258	13
"	9 .....	69	286	4
"	10 .....	68	276	7
"	11 .....	113	243	14
Totals .....		977	2,285	68
Grand totals.....		1,894	3,954	151

\*Elected.

Registered voters, 8,454.

Votes cast, 5,999.

Proportion of men registered who voted, 70.96 per cent.

The balance of this district is composed of the following cities and towns: Arlington, Cambridge, Medford, Somerville, and Winchester.

**Votes cast for Congressmen, State Election, 1894.**

**NINTH CONGRESSIONAL DISTRICT.**

<b>Ward 1.</b>		Fitzgerald.*	Gove.	O'Neil.	Scattering.
Precinct	<b>1</b> .....	257	63	5	
"	<b>2</b> .....	63	280	1	
"	<b>3</b> .....	25	257	1	
"	<b>4</b> .....	53	333	2	
"	<b>5</b> .....	42	295	2	
"	<b>6</b> .....	110	277	2	
"	<b>7</b> .....	235	174	1	
"	<b>8</b> .....	181	209	3	
"	<b>9</b> .....	227	259	4	
Totals.....		1,193	2,147	21	
<b>Ward 2.</b>					
Precinct	<b>1</b> .....	252	111	5	
"	<b>2</b> .....	144	149	3	
"	<b>3</b> .....	227	158	—	
"	<b>4</b> .....	218	111	2	
"	<b>5</b> .....	179	87	2	
"	<b>6</b> .....	238	61	2	
"	<b>7</b> .....	216	183	2	
Totals.....		1,474	860	16	
<b>Ward 3.</b>					
Precinct	<b>1</b> .....	97	271	1	
"	<b>2</b> .....	232	150	10	
"	<b>3</b> .....	205	165	3	
"	<b>4</b> .....	319	67	7	
"	<b>5</b> .....	316	92	8	
"	<b>6</b> .....	304	40	4	
Totals.....		1,473	785	33	
<b>Ward 6.</b>					
Precinct	<b>1</b> .....	289	51	5	
"	<b>2</b> .....	279	67	7	
"	<b>3</b> .....	286	28	—	
"	<b>4</b> .....	302	50	—	
"	<b>5</b> .....	186	79	3	
Totals.....		1,342	275	15	

\* Elected.

## Votes cast for Congressmen, State Election, 1894.

NINTH CONGRESSIONAL DISTRICT. — *Continued.*

Ward 7.	Fitzgerald.*	Gove.	O'Neil.	Scattering.
Precinct 1.....	212	29	1	
" 2.....	176	38	6	
" 3.....	102	66	3	
" 4.....	145	59	4	
" 5.....	112	117	11	
Totals.....	747	309	25	
<b>Ward 8.</b>				
Precinct 1.....	96	101	14	
" 2.....	158	92	12	
" 3.....	224	62	17	
" 4.....	185	71	18	
" 5.....	191	81	19	
" 6.....	245	51	5	
Totals.....	1,099	458	85	
<b>Ward 12.</b>				
Precinct 1.....	176	29	—	
" 2.....	217	53	8	
" 3.....	204	50	7	
" 4.....	203	105	11	
" 5.....	90	153	11	
Totals.....	890	390	37	
<b>Ward 16.</b>				
Precinct 1.....	143	123	22	
" 2.....	82	179	16	
" 3.....	151	92	13	
" 4.....	134	182	13	
" 5.....	184	70	25	
" 6.....	203	51	21	
Totals.....	897	697	110	

\* Elected.

**Votes cast for Congressmen, State Election, 1894.**

NINTH CONGRESSIONAL DISTRICT. — *Concluded.*

<b>Ward 17.</b>		Fitzgerald.*	Gove.	O'Neil.	Scattering.
Precinct	<b>1</b> .....	56	233	4	
"	<b>2</b> .....	57	229	3	2
"	<b>3</b> .....	66	204	10	
"	<b>4</b> .....	70	187	2	1
"	<b>5</b> .....	160	107	9	
"	<b>6</b> .....	259	72	13	
"	<b>7</b> .....	125	140	8	
"	<b>8</b> .....	161	46	2	
<b>Totals</b> .....		954	1,218	51	3
<b>Ward 18.</b>					
Precinct	<b>1</b> .....	45	250	4	
"	<b>2</b> .....	63	280	5	1
"	<b>3</b> .....	70	266	30	
"	<b>4</b> .....	73	230	1	
"	<b>5</b> .....	85	214	5	
"	<b>6</b> .....	165	132	9	
"	<b>7</b> .....	201	137	13	
<b>Totals</b> .....		702	1,509	67	1
<b>Ward 19.</b>					
Precinct	<b>2</b> .....	187	54	14	
"	<b>3</b> .....	169	108	14	
"	<b>4</b> .....	121	139	13	
"	<b>6</b> .....	126	181	9	
<b>Totals</b> .....		603	482	50	
<b>Grand totals</b> .....		11,374	9,130	510	4

\* Elected.

Registered voters, 27,900.

Vote cast, 21,018.

Proportion of men registered who voted, 75.33 per cent.

The balance of this District is the town of Winthrop.

Precincts 1, 5, 7, 8, and 9, of Ward 19, are in the Tenth Congressional District.

**Votes cast for Congressmen, State Election, 1894.**  
TENTH CONGRESSIONAL DISTRICT.

<b>Ward 13.</b>	Atwood.*	Fitzgerald.	McEttrick.	McNary.	Peabody.	All others.
Precinct <b>1</b> .....	11	4	67	75	.....	1
“ <b>2</b> .....	21	1	117	110		
“ <b>3</b> .....	18	3	111	146		
“ <b>4</b> .....	36	5	127	154	1	
“ <b>5</b> .....	20	6	134	122	.....	1
“ <b>6</b> .....	26	7	123	130		
“ <b>7</b> .....	50	5	113	115	1	1
“ <b>8</b> .....	26	6	105	103	1	
“ <b>9</b> .....	14	4	126	117	1	
<b>Totals</b> .....	222	41	1,023	1,072	4	3
<b>Ward 14.</b>						
Precinct <b>1</b> .....	59	2	113	105	8	
“ <b>2</b> .....	65	3	135	141		
“ <b>3</b> .....	30	5	153	169		
“ <b>4</b> .....	131	1	114	84	.....	1
“ <b>5</b> .....	137	1	92	110	13	
“ <b>6</b> .....	136	4	79	87	14	
“ <b>7</b> .....	171	24	80	80	17	1
“ <b>8</b> .....	206	5	74	95	9	
“ <b>9</b> .....	87	6	101	132	9	1
“ <b>10</b> .....	104	2	80	125	4	2
“ <b>11</b> .....	117	4	88	103	13	
“ <b>12</b> .....	147	6	66	88	11	
<b>Totals</b> .....	1,390	63	1,175	1,319	98	5
<b>Ward 15.</b>						
Precinct <b>1</b> .....	18	6	101	141		
“ <b>2</b> .....	29	8	97	161	4	
“ <b>3</b> .....	90	3	104	127	7	2
“ <b>4</b> .....	99	2	62	128	2	
“ <b>5</b> .....	121	1	72	174	5	2
“ <b>6</b> .....	109	6	118	159	3	
“ <b>7</b> .....	89	8	72	118	2	
“ <b>8</b> .....	166	3	154	182	1	1
<b>Totals</b> .....	721	37	780	1,190	24	5
<b>Ward 19.</b>						
Precinct <b>1</b> .....	91	12	164	76	8	
“ <b>5</b> .....	158	9	128	46	16	
“ <b>7</b> .....	89	5	144	76	2	
“ <b>8</b> .....	99	5	182	88	8	
“ <b>9</b> .....	68	8	153	57	2	
<b>Totals</b> .....	505	39	771	343	36	

\* Elected.

### Votes cast for Congressmen, State Election, 1894.

TENTH CONGRESSIONAL DISTRICT. — *Concluded.*

Ward 20.		Atwood*	Fitzgerald.	McE-trick.	McNary.	Pea-body.	All others.
Precinct	1.....	64	6	154	106	3	
"	2.....	41	1	137	114	2	2
"	3.....	99	.....	132	44	7	1
"	4.....	147	2	93	66	16	
"	5.....	45	8	167	93	3	
"	6.....	43	4	176	80	3	
"	7.....	135	2	146	70	8	
"	8.....	87	3	160	82	5	
"	9.....	66	2	74	72	5	
"	10.....	217	3	63	52	25	
"	11.....	184	1	64	21	53	
"	12.....	213	3	112	62	40	1
"	13.....	115	3	169	130	11	
Totals .....		1,456	38	1,647	992	181	4
Ward 22.							
Precinct	1.....	209	.....	81	37	70	
"	2.....	84	2	86	35	5	
"	3.....	44	4	109	73	2	
"	4.....	29	13	131	74	2	1
"	5.....	38	9	147	65	5	
"	6.....	20	6	202	94	1	
"	7.....	67	3	155	57	7	
"	8.....	70	6	157	73	11	
"	9.....	52	9	129	49	2	
"	10.....	153	14	149	91	18	2
Totals .....		766	66	1,346	648	123	3
Ward 24.							
Precinct	1.....	254	.....	87	71	24	2
"	2.....	184	.....	53	52	51	2
"	3.....	142	4	79	59	33	
"	4.....	142	2	84	107	32	1
"	5.....	81	.....	126	91	18	1
"	6.....	132	2	54	35	25	
"	7.....	137	2	93	46	11	
"	8.....	175	.....	68	74	28	
"	9.....	181	4	55	34	19	1
"	10.....	326	4	87	72	46	7
"	11.....	165	1	57	38	19	
"	12.....	156	.....	41	37	32	17
"	13.....	297	4	112	49	49	
"	14.....	241	1	72	39	44	6
"	15.....	202	4	66	52	41	1
"	16.....	120	1	79	38	33	
Totals .....		2,935	29	1,213	894	505	38
Grand totals.....		7,995	313	7,955	6,458	971	58

\*Elected.

Registered voters, 31,056. Votes cast, 23,750.

Proportion of men registered who voted, 76.47 per cent.

The balance of this district is composed of Milton and Quincy.

Precincts 2, 3, 4, 6, of Ward 19, are in the Ninth Congressional District.



## Votes cast for Congressmen, State Election, 1894.

## ELEVENTH CONGRESSIONAL DISTRICT.

Ward 21.		Dowd.	Draper.*	Warren.	All others.
Precinct	1.....	6	173	70	
"	2.....	9	163	136	
"	3.....	6	187	73	
"	4.....	13	105	147	
"	5.....	15	108	222	
"	6.....	6	221	177	
"	7.....	5	270	61	
"	8.....	1	223	45	
"	9.....	10	202	97	
"	10.....	11	231	135	
"	11.....	8	200	77	
"	12.....	8	267	147	
Totals .....		98	2,460	1,387	
<b>Ward 23.</b>					
Precinct	1.....	32	176	148	
"	2.....	22	174	131	
"	3.....	15	168	153	
"	4.....	14	189	71	
"	5.....	17	226	114	
"	6.....	4	172	50	
"	7.....	10	171	101	
"	8.....	22	66	234	
"	9.....	16	181	205	
"	10.....	7	118	127	
"	11.....	20	184	106	
"	12.....	16	216	52	1
"	13.....	4	261	69	
"	14.....	8	52	79	
Totals .....		207	2,354	1,640	1
<b>Ward 25.</b>					
Precinct	1.....	2	246	149	
"	2.....	4	323	75	
"	3.....	7	201	196	
"	4.....	14	81	229	
"	5.....	9	174	226	
"	6.....	6	184	167	
Totals .....		42	1,209	1,042	
Grand totals.....		347	6,023	4,069	1

\* Elected.

Registered voters, 14,372; votes cast, 10,440.

Proportion of men registered who voted, 72.64 per cent.

The balance of this district is composed of the following places: Bellingham, Belmont, Brookline, Dedham, Dover, Foxboro', Franklin, Holliston, Hopedale, Hyde Park, Medfield, Medway, Milford, Millis, Needham, Newton, Norfolk, North Attleboro', Norwood, Sharon, Sherborn, Walpole, Watertown and Wrentham.

**Votes cast for Senator, State Election, 1894.**

**FIRST SENATORIAL DISTRICT.**

Ward 1.	Maccabe.*	Sullivan.	Weston.	Woolley.
Precinct 1.....	55	9	2	246
“ 2.....	262	6	5	66
“ 3.....	252	1	5	26
“ 4.....	306	1	7	67
“ 5.....	265	4	9	52
“ 6.....	257	6	4	119
“ 7.....	164	6	8	233
“ 8.....	182	3	5	189
“ 9.. .....	230	4	6	230
Totals.....	1,973	40	51	1,228

\* Elected.

Registered voters, 4,290.

Votes cast, 3,292.

Proportion of men registered who voted, 76.74 per cent.

The balance of this district is composed of Chelsea, Revere, and Winthrop.

## Votes cast for Senator, State Election, 1894.

## SECOND SENATORIAL DISTRICT.

Ward 3.		Corbett.	Swallow.
Precinct 1.....		94	267
" 2.....		236	147
" 3.....		210	161
" 4.....		323	65
" 5.....		337	81
" 6.....		315	34
Totals.....		1,515	755
Ward 4.			
Precinct 1.....		258	110
" 2.....		91	233
" 3.....		141	250
" 4.....		234	144
" 5.....		323	94
" 6.....		109	135
Totals.....		1,156	966
Ward 5.			
Precinct 1.....		83	223
" 2.....		234	162
" 3.....		310	39
" 4.....		140	113
" 5.....		291	125
" 6.....		197	116
Totals.....		1,255	778
Grand totals .....		3,926	2,499

Registered voters, 8,523.

Votes cast, 6,425.

Proportion of men registered who voted, 75.38 per cen .

**Votes cast for Senator, State Election, 1894.**

**THIRD SENATORIAL DISTRICT.**

<b>Ward 6.</b>		Coffey.	Gilbride.*
Precinct 1.....		51	277
“ 2.....		78	251
“ 3.....		24	271
“ 4.....		61	264
“ 5.....		87	145
Totals.....		301	1,208
<b>Ward 7.</b>			
Precinct 1.....		21	184
“ 2.....		33	168
“ 3.....		61	101
“ 4.....		40	149
“ 5.....		110	108
Totals.....		265	710
<b>Ward 8.</b>			
Precinct 1.....		97	92
“ 2.....		83	166
“ 3.....		66	221
“ 4.....		79	188
“ 5.....		83	190
“ 6.....		48	249
Totals.....		456	1,106
Grand totals .....		1,022	3,024

\* Elected.

Registered voters, 5,658.

Votes cast, 4,046.

Proportion of men registered who voted, 71.51 per cent.

The balance of this district is Ward 3, Cambridge.

## Votes cast for Senator, State Election, 1894.

## FOURTH SENATORIAL DISTRICT.

Ward 2.		Emerson.	Quinn, Jr.	Scattering.
Precinct	<b>1</b> .....	83	275	
"	<b>2</b> .....	109	183	
"	<b>3</b> .....	137	229	
"	<b>4</b> .....	90	234	
"	<b>5</b> .....	71	200	
"	<b>6</b> .....	55	247	
"	<b>7</b> .....	158	236	
Totals .....		703	1,604	
Ward 12.				
Precinct	<b>1</b> .....	14	206	
"	<b>2</b> .....	31	223	
"	<b>3</b> .....	38	224	
"	<b>4</b> .....	88	224	
"	<b>5</b> .....	147	97	
Totals .....		318	974	
Ward 16.				
Precinct	<b>1</b> .....	139	145	
"	<b>2</b> .....	181	88	
"	<b>3</b> .....	100	141	
"	<b>4</b> .....	189	127	
"	<b>5</b> .....	61	198	1
"	<b>6</b> .....	41	222	
Totals .....		711	921	1
Grand totals .....		1,732	3,499	1

Registered voters, 7,281.

Votes cast, 5,232.

Proportion of men registered who voted, 71.86 per cent.

**Votes cast for Senator, State Election, 1894.**

**FIFTH SENATORIAL DISTRICT.**

<b>Ward 9.</b>	Fowler.	Sanger.	Scattering.
Precinct 1.....	132	212	
“ 2.....	82	237	
“ 3.....	54	206	
“ 4.....	116	230	
“ 5.....	161	95	
Totals.....	545	980	
<b>Ward 10.</b>			
Precinct 1.....	66	245	1
“ 2.....	94	215	
“ 3.....	61	170	
“ 4.....	114	130	
Totals.....	335	760	1
<b>Ward 11.</b>			
Precinct 1.....	65	205	
“ 2.....	48	210	
“ 3.....	50	255	
“ 4.....	63	186	
“ 5.....	157	131	
“ 6.....	155	179	
“ 7.....	54	139	
“ 8.....	74	260	
“ 9.....	68	288	
“ 10.....	64	284	
“ 11.....	113	252	
Totals.....	911	2,389	
Grand totals.....	1,791	4,129	1

Registered voters, 8,454.

Votes cast, 5,921.

Proportion of men registered who voted, 70.04 per cent.

**Votes cast for Senator, State Election, 1894.**  
**SIXTH SENATORIAL DISTRICT.**

<b>Ward 13.</b>	Casey.	Eagar.	McMorrow.	Scattering.
Precinct <b>1</b> .....	41	22	84	
“ <b>2</b> .....	86	44	103	
“ <b>3</b> .....	96	44	127	
“ <b>4</b> .....	93	64	152	
“ <b>5</b> .....	124	28	123	
“ <b>6</b> .....	117	38	127	
“ <b>7</b> .....	117	55	100	
“ <b>8</b> .....	85	41	114	
“ <b>9</b> .....	78	68	109	
<b>Totals</b> .....	837	404	1,039	
<b>Ward 14.</b>				
Precinct <b>1</b> .....	41	148	92	
“ <b>2</b> .....	47	172	121	
“ <b>3</b> .....	100	90	143	
“ <b>4</b> .....	47	172	102	
“ <b>5</b> .....	53	180	110	
“ <b>6</b> .....	45	164	99	
“ <b>7</b> .....	39	184	99	1
“ <b>8</b> .....	51	219	98	
“ <b>9</b> .....	52	144	140	
“ <b>10</b> .....	66	127	115	
“ <b>11</b> .....	61	156	92	
“ <b>12</b> .....	66	171	86	
<b>Totals</b> .....	668	1,927	1,297	1
<b>Ward 15.</b>				
Precinct <b>1</b> .....	138	19	103	
“ <b>2</b> .....	88	24	187	
“ <b>3</b> .....	116	93	119	
“ <b>4</b> .....	88	100	101	
“ <b>5</b> .....	103	123	136	
“ <b>6</b> .....	60	100	233	1
“ <b>7</b> .....	64	82	140	
“ <b>8</b> .....	130	153	233	
<b>Totals</b> .....	787	694	1,252	1
<b>Grand totals</b> .....	2,292	3,025	3,588	2

Registered voters, 11,825.

Votes cast, 8,907.

Proportion of men registered who voted, 75.32 per cent.

**Votes cast for Senator, State Election, 1894.**

**SEVENTH SENATORIAL DISTRICT.**

<b>Ward 17.</b>		<b>Golding.</b>	<b>Hutchinson.</b>
Precinct	<b>1</b> .....	59	230
"	<b>2</b> .....	57	226
"	<b>3</b> .....	64	212
"	<b>4</b> .....	62	186
"	<b>5</b> .....	167	105
"	<b>6</b> .....	267	60
"	<b>7</b> .....	129	144
"	<b>8</b> .....	169	45
<b>Totals</b> .....		<b>974</b>	<b>1,208</b>
<b>Ward 18.</b>			
Precinct	<b>1</b> .....	47	254
"	<b>2</b> .....	71	280
"	<b>3</b> .....	80	279
"	<b>4</b> .....	82	220
"	<b>5</b> .....	84	213
"	<b>6</b> .....	174	132
"	<b>7</b> .....	200	145
<b>Totals</b> .....		<b>738</b>	<b>1,523</b>
<b>Ward 20.</b>			
Precinct	<b>1</b> .....	248	91
"	<b>2</b> .....	236	57
"	<b>3</b> .....	141	139
"	<b>4</b> .....	133	183
"	<b>5</b> .....	278	37
"	<b>6</b> .....	226	73
"	<b>7</b> .....	191	168
"	<b>8</b> .....	231	107
"	<b>9</b> .....	141	74
"	<b>10</b> .....	91	267
"	<b>11</b> .....	61	264
"	<b>12</b> .....	152	274
"	<b>13</b> .....	280	143
<b>Totals</b> .....		<b>2,409</b>	<b>1,877</b>
<b>Grand totals</b> .....		<b>4,121</b>	<b>4,608</b>

Registered voters, 11,555.

Votes cast, 8,729.

Proportion of men registered who voted, 75.54 per cent.



Votes cast for Senator, State Election, 1894.  
EIGHTH SENATORIAL DISTRICT.

Ward 19.		Baker.	Coakley.	Cronan.	Fuller.	Scattering.
Precinct	1.....	15	107	158	81	
"	2.....	7	98	111	42	
"	3.....	17	92	90	94	
"	4.....	29	68	56	118	1
"	5.....	35	79	63	165	
"	6.....	25	60	91	145	
"	7.....	16	111	124	73	
"	8.....	23	144	132	88	
"	9.....	13	124	100	52	
Totals.....		180	883	925	858	1
Ward 22.						
Precinct	1.....	125	30	49	199	
"	2.....	16	56	64	85	
"	3.....	13	73	113	36	
"	4.....	10	73	143	24	
"	5.....	8	84	131	43	
"	6.....	8	103	199	16	
"	7.....	22	88	127	51	
"	8.....	42	105	115	57	
"	9.....	18	83	92	48	
"	10.....	62	117	114	132	
Totals.....		324	812	1,147	691	
Ward 25.						
Precinct	1.....	33	82	67	224	1
"	2.....	38	31	20	311	
"	3.....	25	126	44	209	
"	4.....	2	152	91	100	
"	5.....	9	135	82	188	
"	6.....	11	104	59	191	
Totals.....		118	630	363	1,223	1
Grand totals.....		622	2,325	2,435	2,772	2

Registered voters, 10,799.

Votes cast, 8,156.

Proportion of men registered who voted, 75.53 per cent.

**Votes cast for Senator, State Election, 1894.**  
**NINTH SENATORIAL DISTRICT.**

<b>Ward 21.</b>				<b>Ward 24.</b>			
	Merritt.	Sprague.	Scattering.		Merritt.	Sprague.	Scattering.
Precinct 1.....	71	174		Precinct 1.....	147	280	
“ 2.....	142	166		“ 2.....	96	239	
“ 3.....	63	195		“ 3.....	113	201	
“ 4.....	155	110		“ 4.....	182	178	
“ 5.....	232	116		“ 5.....	205	93	
“ 6.....	177	225		“ 6.....	80	160	
“ 7.....	62	232		“ 7.....	124	157	
“ 8.....	44	223		“ 8.....	120	212	
“ 9.....	102	206		“ 9.....	89	201	
“ 10.....	130	288		“ 10.....	156	377	
“ 11.....	70	309		“ 11.....	96	184	
“ 12.....	144	282		“ 12.....	72	193	
Totals.....	1,392	2,526		“ 13.....	156	358	
<b>Ward 23.</b>				“ 14.....	115	297	
Precinct 1.....	148	201		“ 15.....	107	263	
“ 2.....	141	181		“ 16.....	103	165	
“ 3.....	153	192		Totals.....	1,961	3,558	
“ 4.....	70	194		Grand totals ...	4,964	8,664	2
“ 5.....	99	252	1	Registered voters, 18,894. Votes cast, 13,630. Proportion of men registered who voted, 72.14 per cent.			
“ 6.....	40	181					
“ 7.....	83	197					
“ 8.....	229	103					
“ 9.....	202	199					
“ 10.....	127	129					
“ 11.....	109	198					
“ 12.....	63	227	1				
“ 13.....	69	267					
“ 14.....	78	59					
Totals.....	1,611	2,580	2				

## Votes cast for Representatives, State Election, 1894.

## FIRST DISTRICT.

Ward 1.		John L. Bates.	George W. Bond.	James A. Cochrane.	Lewis Nolan.
Precinct 1.....		58	230	44	239
" 2.....		271	53	238	47
" 3.....		250	30	225	20
" 4.....		328	56	293	44
" 5.....		288	45	246	31
" 6.....		251	121	233	101
" 7.....		159	215	150	203
" 8.....		172	181	169	167
" 9.....		227	207	199	190
Totals.....		2,004	1,138	1,797	1,042

## SECOND DISTRICT.

Ward 2.		Manassah E. Bradley.	William J. Donovan.	William H. Ensworth.	Andrew P. Fisher.
Precinct 1.....		255	271	69	67
" 2.....		184	160	107	66
" 3.....		212	216	121	120
" 4.....		204	220	84	85
" 5.....		188	190	61	57
" 6.....		246	217	44	43
" 7.....		210	212	149	133
Totals.....		1,499	1,486	635	571

## THIRD DISTRICT.

Ward 3.		Michael W. Collins.	Hiram I. Nason.	John M. O'Hara.	William Scampton.
Precinct 1.....		86	265	72	218
" 2.....		231	139	227	122
" 3.....		196	159	198	135
" 4.....		310	60	305	53
" 5.....		314	82	310	78
" 6.....		291	36	291	30
Totals.....		1,428	741	1,403	636

**Votes cast for Representatives, State Election, 1894.**

**FOURTH DISTRICT.**

<b>Ward 4.</b>	Timothy J. Donovan.	William H. Marnell.	Jeremiah J. McCarthy.	John A. Melvin.	Thomas W. Hinckley.
Precinct <b>1</b> .....	200	210	177	93	
“ <b>2</b> .....	58	70	233	228	
“ <b>3</b> .....	104	101	266	251	1
“ <b>4</b> .....	208	153	208	134	
“ <b>5</b> .....	295	178	195	41	
“ <b>6</b> .....	117	74	167	123	
<b>Totals</b> .....	982	786	1,246	870	1

**FIFTH DISTRICT.**

<b>Ward 5.</b>	Franz W. Carter.	William T. Graham.	Fred A. Norton.	Michael J. O'Brien.
Precinct <b>1</b> .....	206	79	207	63
“ <b>2</b> .....	137	226	148	214
“ <b>3</b> .....	33	293	57	272
“ <b>4</b> .....	81	133	113	109
“ <b>5</b> .....	103	275	136	237
“ <b>6</b> .....	101	188	119	168
<b>Totals</b> .....	661	1,194	780	1,063

**SIXTH DISTRICT.**

<b>Ward 6.</b>	Owen F. Keating.	Daniel D. Rourke.	Martin F. Ryder.
Precinct <b>1</b> .....	52	268	268
“ <b>2</b> .....	99	227	214
“ <b>3</b> .....	63	241	237
“ <b>4</b> .....	96	230	195
“ <b>5</b> .....	125	138	115
<b>Totals</b> .....	435	1,104	1,029

Votes cast for Representatives, State Election, 1894.  
SEVENTH DISTRICT.

Ward 7.	Charles E. Allen.	Arthur L. Bradford.	Bernard McMackin.	Timothy F. Murphy.
Precinct 1.....	18	15	196	188
" 2.....	31	34	170	150
" 3.....	71	58	94	99
" 4.....	38	34	158	150
" 5.....	110	97	103	106
Totals .....	268	238	721	693

## EIGHTH DISTRICT.

Ward 8.	Charles G. F. Claus.	William F. Donovan.	Hammond T. Fletcher.	Lawrence A. Hoey.	Thomas F. Keenan.
Precinct 1.....	25	93	90	68	84
" 2.....	11	155	72	66	159
" 3.....	17	209	51	37	203
" 4.....	27	174	54	47	173
" 5.....	37	181	70	60	179
" 6.....	12	237	38	30	227
Totals .....	129	1,049	375	308	1,025

## NINTH DISTRICT.

Ward 9.	William H. Cuddy.	John Hagerty.	George v. L. Meyer.	Robert T. Teamoh.
Precinct 1.....	104	80	228	189
" 2.....	62	49	244	217
" 3.....	55	48	198	196
" 4.....	97	85	239	212
" 5.....	158	130	93	97
Totals .....	476	392	1,002	911

## Votes cast for Representatives, State Election, 1894.

## TENTH DISTRICT.

Ward 10.	Marcus C. Cook.	Henry F. Gill.	David A. Smith.	Arthur L. Spring.	Clarence P. Weston.	George G. Barrett.	William Murray.
Precinct 1.....	46	51	59	225	209	1	1
“ 2.....	78	59	73	189	171		
“ 3.....	46	35	40	156	150		
“ 4.....	46	93	69	122	124		
Totals.....	216	238	241	692	654	1	1

## ELEVENTH DISTRICT.

Ward 11.	Joseph P. Clark.	Joshua B. Holden.	Gorham Hubbard.	Francis C. Lowell.
Precinct 1.....	81	147	74	192
“ 2.....	55	173	55	192
“ 3.....	52	236	42	232
“ 4.....	59	172	52	166
“ 5.....	143	117	128	109
“ 6.....	141	159	129	168
“ 7.....	55	126	48	116
“ 8.....	70	237	58	229
“ 9.....	62	264	61	250
“ 10.....	59	261	46	263
“ 11.....	98	234	87	234
Totals.....	875	2,126	780	2,151

## TWELFTH DISTRICT.

Ward 12.	Joseph Donovan.	Daniel M. Driscoll.	William P. Driscoll.	Edward J. Holland.	Alex. A. McDonald.	Daniel J. Murphy.	Francis E. Pope.	James J. Sullivan.
Precinct 1.....	112	150	86	1	8	16	7	4
“ 2.....	96	126	104	3	27	35	28	24
“ 3.....	97	95	97	8	26	104	21	23
“ 4.....	48	125	133	15	65	86	65	35
“ 5.....	17	40	40	11	124	17	128	85
Totals.....	370	536	460	38	250	258	249	171

## Votes cast for Representatives, State Election, 1894.

## THIRTEENTH DISTRICT.

Ward 13.		James A. Gallivan.	Michael P. Geary.	Thomas Harrison.	James S. McKenna.	Thomas F. Stack.
Precinct	<b>1</b> .....	94	79	7	81	5
"	<b>2</b> .....	162	138	5	112	5
"	<b>3</b> .....	172	145	13	136	10
"	<b>4</b> .....	208	177	28	137	25
"	<b>5</b> .....	147	131	17	155	15
"	<b>6</b> .....	146	121	17	182	14
"	<b>7</b> .....	135	134	39	137	27
"	<b>8</b> .....	134	133	25	120	19
"	<b>9</b> .....	141	164	5	148	5
Totals .....		1,339	1,222	156	1,208	125

## FOURTEENTH DISTRICT.

Ward 14.		Daniel J. Barry.	Stephen M. Marshall.	Joseph J. Norton.	Milton C. Paige.
Precinct	<b>1</b> .....	192	64	182	69
"	<b>2</b> .....	233	66	236	80
"	<b>3</b> .....	291	30	291	38
"	<b>4</b> .....	171	114	171	144
"	<b>5</b> .....	165	145	173	162
"	<b>6</b> .....	135	143	138	162
"	<b>7</b> .....	125	169	122	186
"	<b>8</b> .....	139	177	132	235
"	<b>9</b> .....	211	89	187	125
"	<b>10</b> .....	183	83	182	123
"	<b>11</b> .....	150	129	143	147
"	<b>12</b> .....	142	144	134	166
Totals .....		2,137	1,353	2,091	1,637

**Votes cast for Representatives, State Election, 1894.**  
**FIFTEENTH DISTRICT.**

<b>Ward 15.</b>	James F. Creed.	Amos Cum- mings.	John G. Horan.	Edward R. McLarin.	James F. Morton.
Precinct <b>1</b> .....	225	13	214	12	
“ <b>2</b> .....	237	32	219	27	
“ <b>3</b> .....	201	102	192	90	
“ <b>4</b> .....	170	102	154	85	
“ <b>5</b> .....	203	123	206	89	
“ <b>6</b> .....	231	98	246	83	1
“ <b>7</b> .....	153	78	180	79	
“ <b>8</b> .....	289	158	309	162	
<b>Totals</b> .....	1,709	706	1,720	627	1

**SIXTEENTH DISTRICT.**

<b>Ward 16.</b>	James Keenan.	Edward W. Philbrick.	Chas. H. Reinhart.	Thos. D. Roberts.	James F. Ryan.
Precinct <b>1</b> .....	104	103	112	106	85
“ <b>2</b> .....	51	157	44	131	78
“ <b>3</b> .....	83	72	133	61	68
“ <b>4</b> .....	113	150	51	144	109
“ <b>5</b> .....	160	43	64	47	159
“ <b>6</b> .....	197	33	85	31	148
<b>Totals</b> .....	708	558	489	520	647

**SEVENTEENTH DISTRICT.**

<b>Ward 17.</b>	James H. Doyle.	Franz H. Krebs, Jr.	David A. Mahoney.	John H. Porter.	Geo. B. Sherman.	William W. Towle.	John T. White.
Precinct <b>1</b> .....	46	182	38	11	36	201	13
“ <b>2</b> .....	48	173	48	11	48	197	12
“ <b>3</b> .....	48	159	48	12	42	175	20
“ <b>4</b> .....	63	137	61	9	35	160	21
“ <b>5</b> .....	160	77	134	7	31	84	21
“ <b>6</b> .....	214	56	219	6	9	66	48
“ <b>7</b> .....	87	113	106	8	20	131	36
“ <b>8</b> .....	133	38	149	2	11	49	23
<b>Totals</b> .....	799	935	803	66	232	1,063	194



## Votes cast for Representatives, State Election, 1894.

## EIGHTEENTH DISTRICT.

Ward 18.	George A. Hibbard.	John V. Neary.	Clarence W. Rowley.	Albert C. Smith.
Precinct 1 .....	246	28	30	245
" 2 .....	261	59	63	253
" 3 .....	271	63	67	257
" 4 .....	218	66	61	203
" 5 .....	185	77	66	194
" 6 .....	120	154	144	119
" 7 .....	136	191	182	126
Totals.....	1,437	638	613	1,397

## NINETEENTH DISTRICT.

Ward 19.	Joseph L. Bartlett.	Benjamin F. S. Bullard.	Thomas F. Fallon.	Timothy Holland.	Frank J. O'Toole.
Precinct 1 .....	86	78	169	126	117
" 2 .....	49	44	85	165	83
" 3 .....	113	87	105	139	73
" 4 .....	143	112	63	84	69
" 5 .....	187	144	70	71	110
" 6 .....	171	118	60	79	113
" 7 .....	70	87	173	117	84
" 8 .....	104	102	211	156	81
" 9 .....	69	63	163	84	81
Totals.....	992	835	1,099	1,021	811

**Votes cast for Representatives, State Election, 1894.**

**TWENTIETH DISTRICT.**

<b>Ward 20.</b>	Daniel C. Casey.	Benjamin M. Cram.	Fred E. Gordon.	Chas. I. Quirk.
Precinct 1.....	238	91	68	213
“ 2.....	219	64	53	206
“ 3.....	139	115	124	102
“ 4.....	121	163	158	127
“ 5.....	226	79	43	212
“ 6.....	212	70	41	202
“ 7.....	163	164	154	174
“ 8.....	205	110	91	206
“ 9.....	133	76	59	129
“ 10.....	79	238	243	86
“ 11.....	47	254	244	48
“ 12.....	137	241	249	139
“ 13.....	241	152	135	234
Totals.....	2,160	1,817	1,662	2,078

**TWENTY-FIRST DISTRICT.**

<b>Ward 21.</b>	William W. Davis.	Carleton Hunneman.	Geo. M. Scates.	John F. Wogan.
Precinct 1.....	164	66	159	58
“ 2.....	154	128	147	126
“ 3.....	194	61	182	45
“ 4.....	113	137	96	128
“ 5.....	109	209	115	201
“ 6.....	214	167	190	155
“ 7.....	218	57	216	49
“ 8.....	211	49	186	37
“ 9.....	189	97	187	82
“ 10.....	265	117	253	108
“ 11.....	290	77	280	58
“ 12.....	264	136	252	121
Totals.....	2,385	1,301	2,263	1,168

## Votes cast for Representatives, State Election, 1894.

## TWENTY-SECOND DISTRICT.

Ward 22.		Frederick Bleiler.	James T. Brickley.	Mark B. Mulvey.
Precinct	<b>1</b> .....	304	7	79
"	<b>2</b> .....	126	15	77
"	<b>3</b> .....	88	33	103
"	<b>4</b> .....	46	19	173
"	<b>5</b> .....	62	23	167
"	<b>6</b> .....	40	29	241
"	<b>7</b> .....	92	36	162
"	<b>8</b> .....	109	22	189
"	<b>9</b> .....	84	13	143
"	<b>10</b> .....	230	17	190
Totals .....		1,181	214	1,524

## TWENTY-THIRD DISTRICT.

Ward 23.		William E. Ford.	William B. Heath.	Warner Johnson.	David M. Ladd.	Conrad J. Rueter.	Chas. F. Sturtevant.
Precinct	<b>1</b> .....	141	184	17	18	176	148
"	<b>2</b> .....	142	138	18	16	165	135
"	<b>3</b> .....	145	169	5	9	186	148
"	<b>4</b> .....	158	87	8	9	94	159
"	<b>5</b> .....	199	125	14	11	126	196
"	<b>6</b> .....	147	63	2	1	62	154
"	<b>7</b> .....	166	94	6	6	105	166
"	<b>8</b> .....	56	270	5	6	230	68
"	<b>9</b> .....	152	204	13	18	211	151
"	<b>10</b> .....	99	132	8	8	136	96
"	<b>11</b> .....	146	107	17	24	127	154
"	<b>12</b> .....	187	62	10	19	77	187
"	<b>13</b> .....	236	75	3	7	83	237
"	<b>14</b> .....	43	86	8	7	81	44
Totals.....		2,017	1,796	134	159	1,859	2,043

## Votes cast for Representatives, State Election, 1894.

## TWENTY-FOURTH DISTRICT.

Ward 24.		Geo. B. Bird.	Henry B. Callender.	Quincy A. Lothrop.	Arthur H. Stock.	Patrick Troy.	John E. Tuttle.
Precinct	<b>1</b> .....	259	84	104	5	90	245
"	<b>2</b> .....	210	78	73	6	64	205
"	<b>3</b> .....	185	84	72	5	65	156
"	<b>4</b> .....	173	116	106	9	103	157
"	<b>5</b> .....	89	128	132	4	131	72
"	<b>6</b> .....	137	92	43	3	35	136
"	<b>7</b> .....	130	118	77	22	44	146
"	<b>8</b> .....	180	105	81	23	44	189
"	<b>9</b> .....	191	37	71	6	64	191
"	<b>10</b> .....	328	126	110	10	90	322
"	<b>11</b> .....	173	32	84	5	62	173
"	<b>12</b> .....	186	37	59	3	41	178
"	<b>13</b> .....	333	85	106	6	92	339
"	<b>14</b> .....	310	85	62	13	36	275
"	<b>15</b> .....	249	67	72	4	67	233
"	<b>16</b> .....	154	50	82	24	56	143
Totals .....		3,287	1,324	1,334	148	1,084	3,160

## TWENTY-FIFTH DISTRICT.

Ward 25.		Samuel H. Mitchell.	George H. Wentworth.
Precinct	<b>1</b> .....	243	161
"	<b>2</b> .....	324	75
"	<b>3</b> .....	204	206
"	<b>4</b> .....	79	265
"	<b>5</b> .....	179	241
"	<b>6</b> .....	204	171
Totals .....		1,233	1,119

### Number of Men registered who Voted

(AS PER WARD OFFICERS' RETURNS OF NAMES CHECKED ON VOTING-LIST) AT STATE ELECTION, 1894.

Wards.	Number registered.	Votes cast.	Per cent. by Wards.
1 .....	4,290	3,444	80.28
2 .....	3,135	2,437	77.74
3 .....	3,026	2,354	77.79
4 .....	2,787	2,197	78.83
5 .....	2,710	2,094	77.27
6 .....	2,016	1,696	84.13
7 .....	1,515	1,116	73.66
8 .....	2,127	1,696	79.74
9 .....	2,230	1,633	73.23
10 .....	1,512	1,165	77.05
11 .....	4,712	3,454	73.30
12 .....	1,773	1,406	79.30
13 .....	3,166	2,482	78.40
14 .....	5,184	4,209	81.19
15 .....	3,475	2,869	82.56
16 .....	2,373	1,837	77.41
17 .....	2,981	2,351	78.87
18 .....	3,026	2,364	78.12
19 .....	3,854	3,053	79.22
20 .....	5,548	4,491	80.95
21 .....	5,517	4,081	73.97
22 .....	3,937	3,163	80.34
23 .....	5,847	4,451	76.12
24 .....	7,530	5,857	77.78
25 .....	3,008	2,449	81.42
Totals .....	87,279	68,349	

Average per cent. of men registered who voted, 78.31.

**Votes cast on Acceptance of Chap. 548, Acts of 1894,**

BEING "AN ACT TO INCORPORATE THE BOSTON ELEVATED RAILWAY COMPANY, AND TO PROMOTE RAPID TRANSIT IN THE CITY OF BOSTON AND VICINITY," AT SPECIAL ELECTION, JULY 24, 1894.

Wards.	Yes.	No.
1.....	459	644
2.....	417	391
3.....	627	455
4.....	584	404
5.....	506	406
6.....	312	388
7.....	344	232
8.....	555	314
9.....	318	355
10.....	221	285
11.....	490	1,074
12.....	421	247
13.....	715	465
14.....	886	735
15.....	558	607
16.....	551	299
17.....	611	539
18.....	445	559
19.....	900	496
20.....	1,187	887
21.....	964	1,066
22.....	942	496
23.....	1,031	1,088
24.....	946	1,333
25.....	552	397
Totals .....	15,542	14,162

MUNICIPAL ELECTION,

1894.





## Assessed Polls, Municipal Election, 1894.

Wards.	Regular and Supplementary to State Election.	Supplementary to Municipal Election.	Totals.
1 .....	6,463	14	6,477
2 .....	5,200	9	5,209
3 .....	4,084	4	4,088
4 .....	4,081	2	4,083
5 .....	4,201	8	4,209
6 .....	4,179	49	4,228
7 .....	3,650	20	3,670
8 .....	4,504	10	4,514
9 .....	3,819	19	3,838
10 .....	2,993	9	3,002
11 .....	7,761	48	7,809
12 .....	3,471	5	3,476
13 .....	6,672	17	6,689
14 .....	7,863	4	7,867
15 .....	5,295	5	5,300
16 .....	5,305	34	5,339
17 .....	4,942	14	4,956
18 .....	4,806	11	4,817
19 .....	7,415	14	7,429
20 .....	8,259	25	8,284
21 .....	7,746	28	7,774
22 .....	6,570	7	6,577
23 .....	8,455	31	8,486
24 .....	10,790	19	10,809
25 .....	4,499	6	4,505
Totals .....	143,023	412	143,435

## Registered Voters (Men) at Municipal Election, 1894.

Wards.	PRECINCTS.								
	1.	2.	3.	4.	5.	6.	7.	8.	9.
1....	433	425	338	500	434	497	545	502	655
2....	479	390	511	437	366	416	564	.....	.....
3....	494	531	470	523	547	471	.....	.....	.....
4....	491	446	517	502	476	363	.....	.....	.....
5....	431	511	472	331	552	423	.....	.....	.....
6....	419	449	400	432	370	.....	.....	.....	.....
7....	335	280	256	324	347	.....	.....	.....	.....
8....	301	344	387	354	397	364	.....	.....	.....
9....	481	454	423	497	405	.....	.....	.....	.....
10....	435	432	307	352	.....	.....	.....	.....	.....
11....	364	347	418	341	440	496	309	470	530
12....	276	350	350	443	373	.....	.....	.....	.....
13....	206	349	382	433	383	400	385	315	340
14....	377	454	442	429	480	425	446	492	458
15....	343	378	432	377	465	485	379	674	.....
16....	423	423	359	438	380	387	.....	.....	.....
17....	390	406	371	350	369	434	386	291	.....
18....	401	473	455	416	443	416	456	.....	.....
19....	465	373	409	380	468	495	428	511	376
20....	482	388	367	4 8	387	394	444	447	302
21....	360	451	360	390	503	585	393	375	438
22....	597	332	312	329	325	420	378	429	311
23....	512	479	489	367	516	280	371	427	550
24....	576	463	432	544	433	336	367	464	349
25....	570	507	554	427	515	452	.....	.....	.....
Total..	.....	.....	.....	.....	.....	.....	.....	.....	.....

Average per cent. of men assessed who registered, 61.50.

**Registered Voters (Men) at Municipal Election, 1894.**

PRECINCTS.							Totals.	Per cent. as- sessed Polls registered by Wards.	Wards.
10.	11.	12.	13.	14.	15.	16.			
.....	.....	.....	.....	.....	.....	.....	4,329	66.84	.... 1
.....	.....	.....	.....	.....	.....	.....	3,163	60.72	.... 2
.....	.....	.....	.....	.....	.....	.....	3,036	74.27	.... 3
.....	.....	.....	.....	.....	.....	.....	2,795	68.45	.... 4
.....	.....	.....	.....	.....	.....	.....	2,720	64.62	.... 5
.....	.....	.....	.....	.....	.....	.....	2,070	48.96	.... 6
.....	.....	.....	.....	.....	.....	.....	1,542	42.02	.... 7
.....	.....	.....	.....	.....	.....	.....	2,147	47.56	.... 8
.....	.....	.....	.....	.....	.....	.....	2,260	58.88	.... 9
.....	.....	.....	.....	.....	.....	.....	1,526	50.83	...10
505	587	.....	.....	.....	.....	.....	4,807	61.56	...11
.....	.....	.....	.....	.....	.....	.....	1,792	51.55	...12
.....	.....	.....	.....	.....	.....	.....	3,193	47.74	...13
400	413	400	.....	.....	.....	.....	5,216	66.30	...14
.....	.....	.....	.....	.....	.....	.....	3,533	66.66	...15
.....	.....	.....	.....	.....	.....	.....	2,410	45.14	...16
.....	.....	.....	.....	.....	.....	.....	2,997	60.47	...17
.....	.....	.....	.....	.....	.....	.....	3,060	63.53	...18
.....	.....	.....	.....	.....	.....	.....	3,905	52.56	...19
464	412	573	532	.....	.....	.....	5,600	67.60	...20
586	531	616	.....	.....	.....	.....	5,588	71.88	...21
539	.....	.....	.....	.....	.....	.....	3,972	60.39	...22
426	484	382	445	198	.....	.....	5,926	69.83	...23
708	355	404	706	539	532	394	7,602	70.33	.. 24
.....	.....	.....	.....	.....	.....	.....	3,025	67.15	...25
.....	.....	.....	.....	.....	.....	.....	88,214		

Number of Votes cast for Mayor, at City Election, 1894.

Wards.	PRECINCTS.																			
	1.				2.				3.				4.				5.			
	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.
1.....	77	245	4	2	267	66	2	3	247	25	..	2	318	67	2	2	303	51	1	2
2.....	105	250	5	2	124	177	1	1	160	216	1	1	127	200	1	1	96	183	5	2
3.....	274	91	3	3	163	232	7	3	183	185	..	3	102	290	7	..	115	295	9	..
4.....	132	243	7	2	226	89	4	2	254	133	3	1	183	207	3	2	94	276	..	..
5.....	228	100	3	3	171	232	2	4	54	311	..	2	120	135	1	2	127	266	6	2
6.....	50	327	1	..	106	261	5	1	43	282	3	1	76	280	6	1	107	139	2	1
7.....	21	248	1	1	56	165	2	..	101	82	2	..	57	168	2	..	138	115	9	1
8.....	129	87	7	1	103	172	7	2	72	236	2	1	82	202	6	1	116	197	6	2
9.....	153	216	3	5	226	99	1	1	213	67	2	2	216	144	2	3	118	176	7	..
10.....	229	89	6	2	221	99	11	2	157	79	2	1	136	132	2	1	.....	.....	..	..
11.....	120	170	..	1	122	139	..	1	199	104	1	..	140	107	1	1	156	161	5	3
12.....	48	159	4	..	63	211	1	2	57	203	4	2	125	194	4	2	167	100	8	2
13.....	40	122	2	..	76	177	8	..	75	215	6	1	91	235	9	..	66	227	9	2
14.....	97	187	6	..	112	246	5	..	68	289	7	1	162	171	4	..	177	182	6	3
15.....	66	189	2	..	78	200	3	1	149	181	3	..	146	160	2	1	157	217	3	..
16.....	144	179	3	..	193	97	10	1	109	165	5	1	189	142	4	..	111	168	7	2
17.....	210	69	4	2	246	73	..	4	194	67	5	4	179	73	6	1	126	149	4	2
18.....	226	66	..	1	253	94	6	1	266	83	4	1	211	85	2	4	221	95	3	2
19.....	180	187	4	..	102	163	2	1	157	158	4	..	162	108	6	2	194	122	7	3
20.....	133	203	4	..	90	226	5	..	149	139	3	4	196	138	3	2	104	222	7	1
21.....	206	70	3	..	214	146	5	2	232	65	3	1	174	140	2	1	171	235	4	2
22.....	260	155	1	1	137	99	3	1	95	132	1	..	100	172	2	..	92	173	3	1
23.....	234	141	17	1	231	141	10	2	194	190	6	2	207	82	8	..	263	114	3	3
24.....	311	151	2	1	264	88	..	2	208	122	6	3	203	200	2	2	130	218	3	..
25.....	287	130	4	2	317	83	2	4	223	202	3	1	134	207	5	..	227	195	8	6
Totals.....	.....	.....	..	..	.....	.....	..	..	.....	.....	..	..	.....	.....	..	..	.....	.....	..	..

Proportion of men registered who voted for Mayor, 77.75 per cent.

Number of Votes cast for Mayor, at City Election, 1894.

Continued on pages 48 and 49.

PRECINCTS.																Wards.				
6.				7.				8.				9.					10.			
Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.		Curtis.	Peabody.	Field.	Hall.
279	114	5	1	183	225	2	2	179	218	3	4	274	275	3	2	.....	.....	.....	.....	1
68	229	2	1	194	222	3	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
54	306	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
161	95	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4
132	187	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	7
57	260	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	10
184	154	2	3	150	69	2	2	270	76	1	1	271	72	4	5	259	87	3	4	11
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12
80	219	8	1	124	180	3	1	73	179	2	1	58	194	7	.....	.....	.....	.....	.....	13
185	140	4	1	214	125	4	2	240	142	2	1	150	205	9	.....	119	184	3	2	14
174	203	2	1	125	148	9	1	245	269	5	5	.....	.....	.....	.....	.....	.....	.....	.....	15
87	229	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
93	244	7	3	156	119	5	1	81	135	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	17
156	171	2	1	164	198	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
220	115	10	.....	161	174	7	2	212	181	6	.....	158	136	3	.....	.....	.....	.....	.....	19
108	190	10	.....	192	160	8	.....	150	194	4	1	106	126	3	3	261	94	5	1	20
280	165	6	1	253	64	8	.....	230	60	2	1	239	112	17	2	314	148	3	3	21
108	205	5	.....	159	159	2	.....	144	192	3	2	98	137	5	4	247	189	13	2	22
168	66	2	.....	190	97	5	1	123	245	5	.....	240	216	8	3	163	164	4	4	23
168	94	1	2	191	100	5	1	248	126	1	1	214	93	1	5	390	162	6	3	24
226	150	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	25
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....



Number of Votes cast for Mayor, at City Election,  
1894. — *Concluded.*

PRECINCTS.								Total for Curtis.	Total for Peabody.	Total for Field.	Total for Hall.	Scattering.	Total for Mayorality Candidates.	Wards.
15.				16.										
Curtis.	Peabody.	Field.	Hall.	Curtis.	Peabody.	Field.	Hall.							
.....	.....	.....	.....	.....	.....	.....	.....	2,127	1,286	22	20	...	3,455	..... 1
.....	.....	.....	.....	.....	.....	.....	.....	874	1,477	18	11	...	2,380	..... 2
.....	.....	.....	.....	.....	.....	.....	.....	891	1,399	30	9	..	2,329	..... 3
.....	.....	.....	.....	.....	.....	.....	.....	1,050	1,043	21	9	...	2,123	..... 4
.....	.....	.....	.....	.....	.....	.....	.....	832	1,231	15	14	1	2,093	..... 5
.....	.....	.....	.....	.....	.....	.....	.....	382	1,289	17	4	...	1,692	..... 6
.....	.....	.....	.....	.....	.....	.....	.....	373	778	16	2	...	1,169	..... 7
.....	.....	.....	.....	.....	.....	.....	.....	559	1,154	29	7	...	1,749	..... 8
.....	.....	.....	.....	.....	.....	.....	.....	926	702	15	11	...	1,654	..... 9
.....	.....	.....	.....	.....	.....	.....	.....	743	399	21	6	...	1,169	..... 10
.....	.....	.....	.....	.....	.....	.....	.....	2,118	1,296	26	22	...	3,462	..... 11
.....	.....	.....	.....	.....	.....	.....	.....	460	867	21	8	...	1,356	..... 12
.....	.....	.....	.....	.....	.....	.....	.....	683	1,748	54	6	...	2,491	..... 13
.....	.....	.....	.....	.....	.....	.....	.....	1,897	2,139	57	11	...	4,104	..... 14
.....	.....	.....	.....	.....	.....	.....	.....	1,140	1,567	29	9	1	2,746	..... 15
.....	.....	.....	.....	.....	.....	.....	.....	833	980	39	4	...	1,856	..... 16
.....	.....	.....	.....	.....	.....	.....	.....	1,285	929	35	17	6	2,272	..... 17
.....	.....	.....	.....	.....	.....	.....	.....	1,497	792	23	10	...	2,322	..... 18
.....	.....	.....	.....	.....	.....	.....	.....	1,546	1,344	49	8	...	2,947	..... 19
.....	.....	.....	.....	.....	.....	.....	.....	2,179	2,162	69	21	...	4,431	..... 20
.....	.....	.....	.....	.....	.....	.....	.....	2,940	1,471	59	18	...	4,488	..... 21
.....	.....	.....	.....	.....	.....	.....	.....	1,440	1,613	38	11	...	3,102	..... 22
.....	.....	.....	.....	.....	.....	.....	.....	2,872	1,802	91	24	...	4,789	..... 23
304	97	3	3	181	110	.....	.....	3,921	1,990	50	30	...	5,991	..... 24
.....	.....	.....	.....	.....	.....	.....	.....	1,414	967	24	13	..	2,418	..... 25
.....	.....	.....	.....	.....	.....	.....	.....	34,982	32,425	868	305	8	68,588	

Proportion of men registered who voted for Mayor, 77.75 per cent.

## Votes cast for Aldermen, City Election, 1894.

Wards.	Allen.*	Barry.*	Bond.	Bryant.*	Dever.*	Dolan.	Donegan.	Dyar.*	Flood.*	Folsom.*	Fottler.	Hagar.	Hallstram.	Kelley.
1	1,857	1,211	159	1,767	1,099	258	40	1,600	1,167	1,772	346	26	576	41
2	675	1,437	65	635	1,318	317	51	591	1,370	615	192	26	227	28
3	772	1,210	91	701	1,205	304	41	614	1,270	697	237	22	328	34
4	928	947	94	899	908	171	24	792	938	872	216	28	316	28
5	745	1,008	82	677	1,016	186	24	605	1,054	688	236	30	293	31
6	269	1,025	45	254	1,018	338	30	222	1,086	241	143	19	165	33
7	277	657	31	273	687	235	35	223	728	235	148	16	116	31
8	457	1,019	40	409	987	272	42	351	1,051	405	223	32	205	43
9	998	513	124	871	462	130	24	734	471	906	507	17	449	24
10	766	315	88	694	288	64	15	566	303	691	323	22	348	23
11	2,433	833	419	1,984	646	200	53	1,731	731	2,207	979	65	1,290	81
12	344	801	43	325	789	332	40	311	867	334	153	24	160	65
13	277	1,568	90	267	1,510	840	116	246	1,994	316	228	38	200	415
14	1,441	1,789	704	1,252	1,683	726	88	1,054	2,715	1,331	618	48	709	677
15	756	1,395	259	679	1,316	551	5	602	1,786	761	340	32	400	766
16	681	956	71	615	828	416	57	610	928	598	230	40	281	55
17	1,206	895	209	1,161	831	313	39	1,013	886	1,116	338	34	416	98
18	1,503	634	179	1,386	594	194	33	1,200	612	1,424	456	33	520	50
19	1,087	1,210	96	1,306	1,178	837	81	947	1,329	1,070	409	145	494	96
20	1,926	2,022	204	1,773	2,246	786	81	1,553	2,140	1,848	712	81	784	145
21	2,916	1,369	289	2,605	1,468	455	56	2,300	1,348	2,644	832	40	1,054	91
22	1,081	1,534	170	1,062	1,476	858	69	827	1,607	974	536	62	554	89
23	2,756	1,638	302	2,452	1,571	578	85	2,199	1,673	2,551	921	73	1,039	119
24	3,839	1,727	433	3,439	1,667	523	107	3,036	1,778	4,066	1,181	57	1,554	207
25	1,286	859	127	1,144	851	350	26	1,018	886	1,172	390	22	498	36
T'ls	31,276	28,592	4414	28,630	27,642	10,234	1314	24,945	30,718	29,534	10,894	1032	12,976	3306

\* Elected.



Votes cast for Aldermen, City Election, 1894.

Knox.	Lee.*	Lomasney.*	Marden.	Marks.	Mayer.	McClellan.	Nugent.	O'Brien.	Parsons.	Presho.*	Sanford.*	Taylor.	Turner.	Webster.	White.	Witt.*	Scattering.	Wards.
38	1,049	1,086	49	22	34	1,361	55	987	43	1,434	1,570	38	27	34	39	2,068		<b>1</b>
26	1,283	1,262	44	13	24	1,378	54	1,205	22	639	555	25	13	21	22	899		<b>2</b>
33	1,175	1,167	31	20	23	1,093	70	1,309	45	1,109	599	24	21	30	23	634		<b>3</b>
31	881	872	22	23	19	789	36	947	28	1,188	759	24	22	20	20	809		<b>4</b>
28	936	934	25	18	21	881	35	1,134	27	1,139	591	17	14	18	16	598		<b>5</b>
34	926	1,202	11	15	14	1,101	44	1,013	17	381	198	7	9	5	14	217		<b>6</b>
31	581	769	15	30	17	655	37	667	12	315	223	12	11	6	11	197		<b>7</b>
43	973	1,122	19	36	17	968	53	1,000	39	423	350	22	32	15	27	331		<b>8</b>
22	481	525	27	20	14	371	80	397	31	746	803	27	20	22	18	786	1	<b>9</b>
25	295	254	19	16	12	235	16	215	33	569	638	21	22	11	18	618		<b>10</b>
59	821	749	63	37	43	499	79	493	70	1,717	1,977	47	46	42	44	1,786		<b>11</b>
34	715	749	13	15	10	678	55	703	27	383	294	8	18	5	19	284		<b>12</b>
84	1,298	1,653	18	33	11	1,362	102	1,527	44	568	242	11	37	8	40	204	1	<b>13</b>
47	1,618	1,755	45	35	36	1,528	114	1,609	56	1,156	1,126	55	35	23	37	1,037		<b>14</b>
48	1,207	1,368	22	36	17	1,165	110	1,237	44	706	603	25	34	8	33	589		<b>15</b>
39	767	784	20	44	22	697	71	721	45	580	533	15	36	10	35	516		<b>16</b>
34	765	813	43	40	17	689	58	689	52	947	1,137	29	25	36	44	986	9	<b>17</b>
30	582	541	36	26	21	463	80	487	40	1,249	1,370	31	23	15	34	1,247		<b>18</b>
94	961	1,087	36	54	59	956	545	942	92	874	932	34	37	24	79	912	2	<b>19</b>
75	1,819	1,854	52	46	38	1,649	259	1,654	80	1,545	1,678	47	51	25	65	1,546		<b>20</b>
70	1,240	1,136	51	37	36	1,029	333	1,013	50	2,192	2,390	39	41	28	52	2,287		<b>21</b>
84	1,232	1,401	31	39	54	1,274	288	1,233	48	848	855	28	49	16	36	800	1	<b>22</b>
141	1,748	1,401	67	72	63	1,283	207	1,315	109	1,989	2,283	46	79	37	83	2,209	3	<b>23</b>
118	1,562	1,436	82	57	56	1,256	111	1,316	83	2,848	3,278	75	78	55	94	3,234	4	<b>24</b>
28	1,240	737	32	19	24	709	54	724	25	934	1,078	25	29	20	32	1,042		<b>25</b>
1296	26,115	26,657	873	803	702	24,069	2896	24,587	1162	26,479	26,062	732	809	534	935	25,836	21	T'ls

\* Elected.

**Votes cast for Members of Common Council, City  
Election, 1894.**

Ward 1.	Joseph H. Barnes, Jr.	George R. W. Battis.	Martin H. Dalton.	John E. Lowden.	Geo. F. A. McDougall.	Henry Pero.	Wm. C. R. Woodside.	Scattering.
Precinct 1 . . . .	52	54	249	45	24	220	230	
" 2 . . . .	261	216	39	235	16	39	97	
" 3 . . . .	224	197	27	206	18	17	48	
" 4 . . . .	298	272	60	270	15	46	86	
" 5 . . . .	285	248	44	256	24	37	84	1
" 6 . . . .	252	208	94	233	24	82	162	
" 7 . . . .	155	137	211	124	46	191	236	
" 8 . . . .	167	138	194	137	54	166	210	
" 9 . . . .	228	190	246	212	40	255	294	
Totals . . . .	1,922	1,660	1,164	1,718	261	1,053	1,447	1

Ward 2.	Joseph A. Conry.	Joseph J. Dennison.	Francis F. Harrington.	Peter F. Jesson.	John L. Kelly.	Michael J. Leary.	Thomas F. Wall.
Precinct 1 . . . . .	232	70	67	64	257	239	63
" 2 . . . . .	141	82	88	65	178	142	92
" 3 . . . . .	177	119	112	91	203	185	97
" 4 . . . . .	206	85	91	79	195	187	65
" 5 . . . . .	198	70	73	67	182	157	34
" 6 . . . . .	222	51	49	46	211	191	34
" 7 . . . . .	229	156	152	140	200	168	43
Totals . . . . .	1,405	633	632	552	1,426	1,269	428

Ward 3.	Robert G. Chambers.	James H. Ginn.	James F. Haley.	John J. O'Callaghan.	John H. Robinson.	Peter F. Tague.
Precinct 1 . . . . .	277	287	63	70	264	68
" 2 . . . . .	145	195	213	209	145	222
" 3 . . . . .	167	203	160	174	170	172
" 4 . . . . .	66	101	292	297	70	298
" 5 . . . . .	87	101	301	314	89	304
" 6 . . . . .	36	41	318	304	36	313
Totals . . . . .	778	928	1,347	1,368	774	1,377

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 4.</b>	<b>Wm. H. Casey.</b>	<b>Martin F. Connorton.</b>	<b>George A. Garland.</b>	<b>John J. Hoey.</b>	<b>Fred M. Kimball.</b>	<b>Wm. E. Mahoney.</b>
Precinct 1.....	115	278	114	230	106	236
" 2.....	229	70	242	68	227	68
" 3.....	240	114	264	105	249	109
" 4.....	144	193	163	200	171	197
" 5.....	52	279	72	271	72	296
" 6.....	140	87	157	76	172	97
<b>Totals.....</b>	<b>920</b>	<b>1,021</b>	<b>1,012</b>	<b>950</b>	<b>997</b>	<b>1,003</b>

<b>Ward 5.</b>	<b>James J. Brook.</b>	<b>Geo. C. Hill.</b>	<b>Joseph E. Hoey.</b>	<b>James A. Josselyn.</b>	<b>Wm. J. Miller.</b>	<b>James T. Roche.</b>	<b>William Schwab.</b>
Precinct 1.....	77	231	218	207	80	91	44
" 2.....	206	152	136	152	212	193	69
" 3.....	300	34	26	32	281	276	60
" 4.....	121	101	91	94	125	120	46
" 5.....	241	102	91	103	253	242	68
" 6.....	175	110	109	103	167	168	48
<b>Totals.....</b>	<b>1,120</b>	<b>730</b>	<b>671</b>	<b>691</b>	<b>1,118</b>	<b>1,090</b>	<b>335</b>

<b>Ward 6.</b>	<b>Charles Aiken.</b>	<b>James A. Doherty.</b>	<b>John Geanette.</b>	<b>John Jones, Jr.</b>	<b>Jeremiah E. Mahoney.</b>	<b>Chris. F. O'Brien.</b>
Precinct 1.....	18	235	17	30	199	292
" 2.....	60	231	44	50	224	278
" 3.....	16	199	15	15	188	218
" 4.....	39	189	41	45	265	228
" 5.....	79	109	69	84	115	173
<b>Totals.....</b>	<b>212</b>	<b>963</b>	<b>186</b>	<b>224</b>	<b>991</b>	<b>1,189</b>

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 7.</b>	Joseph L. Audette.	Samuel H. Borofski.	Patrick J. Carroll.	Geo. F. Coleman.	Thos. F. Coyne.	James C. Murphy.
Precinct <b>1</b> .....	6	8	220	204	53	227
“ <b>2</b> .....	22	35	145	133	102	141
“ <b>3</b> .....	62	70	61	97	83	97
“ <b>4</b> .....	31	36	168	174	56	165
“ <b>5</b> .....	107	104	121	158	93	118
<b>Totals</b> .....	228	253	715	766	387	748

<b>Ward 8.</b>	Franklin U. Boyd.	John J. Boyle.	Jerome J. Crowley.	Richard W. Davis.	Chas. F. Gallagher.	Simon Hirshon.	David T. King.	Albert M. Taylor.	Daniel A. Whelton.
Precinct <b>1</b> .....	107	53	92	109	9	72	75	26	64
“ <b>2</b> .....	77	88	65	68	11	126	133	30	126
“ <b>3</b> .....	45	108	52	39	15	158	200	47	189
“ <b>4</b> .....	40	105	45	50	18	136	154	37	157
“ <b>5</b> .....	59	132	51	54	23	155	146	68	144
“ <b>6</b> .....	25	63	28	26	18	200	229	29	239
<b>Totals</b> .....	353	549	333	346	94	847	937	237	919

<b>Ward 9.</b>	J. Henderson Allston.	Stephen T. Campbell.	Wm. A. Cunningham.	John R. Foster.	James J. Porter.	Stanley Ruffin.	Sidney B. Everett.	Geo. L. Roberts.	John C. Ropes.
Precinct <b>1</b> .....	204	112	112	224	116	200	1	1	1
“ <b>2</b> .....	235	66	67	241	69	221			
“ <b>3</b> .....	213	51	52	193	43	206			
“ <b>4</b> .....	231	99	105	232	101	233			
“ <b>5</b> .....	98	163	169	94	152	94			
<b>Totals</b> .....	981	491	505	984	481	954	1	1	1

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 10.</b>	Melvin J. Atherton.	Edw. S. Crockett.	Peter J. Jansen.	Edw. H. McGuire.	Walter L. Sears.	Wm. Ropes Trask.	Calvin M. Lewis.	Chas. L. Woodbury.
Precinct <b>1</b> ....	61	251	52	219	242	80	1	
“ <b>2</b> ....	89	217	78	211	210	98	1	
“ <b>3</b> ....	97	164	46	155	157	67	4	1
“ <b>4</b> ....	117	131	135	122	161	105		
<b>Totals</b> .....	364	763	311	707	770	350	6	1

<b>Ward 11.</b>	F. K. H. Briggs.	Francis L. Coolidge.	Geo. U. Crocker.	Chas. H. Hall.
Precinct <b>1</b> .....	221	193	251	115
“ <b>2</b> .....	215	241	240	118
“ <b>3</b> .....	249	137	215	162
“ <b>4</b> .....	201	128	216	122
“ <b>5</b> .....	161	174	150	139
“ <b>6</b> .....	176	162	155	173
“ <b>7</b> .....	167	80	167	132
“ <b>8</b> .....	292	115	265	247
“ <b>9</b> .....	284	115	255	239
“ <b>10</b> .....	295	105	302	250
“ <b>11</b> .....	309	167	303	244
<b>Totals</b> .....	2,570	1,617	2,519	1,941

<b>Ward 12.</b>	Timothy J. Butler.	Michael T. Callahan.	Newell F. Clark.	Timothy J. Crowley.	Anson A. Holt.	Peter Leonard.	Joseph M. Sullivan.
Precinct <b>1</b> .....	151	124	23	140	15	54	43
“ <b>2</b> .....	187	182	34	200	32	35	66
“ <b>3</b> .....	182	181	29	161	30	25	84
“ <b>4</b> .....	175	213	95	156	85	26	107
“ <b>5</b> .....	85	90	151	80	149	27	128
<b>Totals</b> .....	780	790	332	737	311	167	428

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 13.</b>		Thomas J. Berry.	John J. Browne.	John H. Griffin.	Frank T. Hatch.	Mark J. Kezer.	Michael W. Norris.	William H. Woods.
Precinct	<b>1</b> .....	8	123	39	9	9	128	123
"	<b>2</b> .....	16	207	81	21	13	157	168
"	<b>3</b> .....	24	214	78	27	18	228	219
"	<b>4</b> .....	31	191	111	35	31	186	205
"	<b>5</b> .....	32	200	89	29	23	219	206
"	<b>6</b> .....	32	203	92	33	28	209	192
"	<b>7</b> .....	51	179	103	60	47	186	164
"	<b>8</b> .....	34	164	85	31	32	177	163
"	<b>9</b> .....	21	177	90	23	13	168	170
Totals .....		249	1,658	768	268	214	1,658	1,610

<b>Ward 14.</b>		John E. Baldwin.	Oliver W. Chenery.	John H. Dunn.	Leander K. Marston.	Robt. M. McLeish.	John P. O'Connor.	Scattering.
Precinct	<b>1</b> .....	207	70	182	70	65	199	
"	<b>2</b> .....	281	75	241	68	62	251	
"	<b>3</b> .....	278	33	260	34	43	303	
"	<b>4</b> .....	178	135	170	130	121	178	
"	<b>5</b> .....	167	159	192	160	157	164	
"	<b>6</b> .....	127	168	135	168	169	131	
"	<b>7</b> .....	122	198	120	198	183	121	
"	<b>8</b> .....	135	218	135	215	210	139	
"	<b>9</b> .....	217	130	213	119	120	218	
"	<b>10</b> .....	176	105	173	101	100	184	
"	<b>11</b> .....	146	146	144	151	142	154	1
"	<b>12</b> .....	141	174	133	172	161	126	
Totals .....		2,175	1,611	2,098	1,586	1,533	2,168	1

**Votes cast for Members of Common Council, City  
Election, 1894.**

Ward 15.	Edwin R. Brackett.	Edward C. Cadigan.	John J. Mahoney.	Michael J. Reidy.	James Roberts.	William H. Rule.	Timothy J. Sullivan.	Thaxter Groves.
Precinct 1....	32	151	134	132	37	72	76	
" 2....	49	141	146	163	43	68	82	
" 3....	110	119	128	124	115	107	138	
" 4....	111	99	108	119	122	111	113	1
" 5....	145	162	136	153	150	134	94	
" 6....	162	159	167	190	131	134	82	
" 7....	105	104	117	115	107	95	87	
" 8....	197	203	205	220	238	190	127	
Totals .....	911	1,138	1,141	1,216	943	911	799	1

Ward 16.	Patrick Bowen.	John J. Garland, Jr.	Everett T. Malory.	Michael J. Maloney.	James T. Morgan.	Max H. Newman.	Timothy J. Wholey.
Precinct 1.....	145	139	138	23	131	136	132
" 2.....	86	99	166	44	180	168	82
" 3.....	156	118	92	30	89	78	146
" 4.....	120	120	154	13	160	161	108
" 5.....	152	212	52	20	52	60	163
" 6.....	226	225	43	21	53	42	249
Totals .....	885	913	645	151	665	645	880

Ward 17.	William Berwin.	Robert L. Carpenter.	Freeman O. Emerson.	Cornelius J. Keyes.	Chester F. King.	Benjamin C. Lane.	Andrew J. Patterson.	Frederic A. Pease.
Precinct 1.....	207	75	224	37	21	186	57	9
" 2.....	238	80	241	46	29	195	54	14
" 3.....	179	82	190	58	14	170	54	8
" 4.....	174	92	161	81	13	162	56	7
" 5.....	112	138	111	142	16	100	132	6
" 6.....	75	246	78	217	12	76	230	4
" 7.....	132	126	138	113	19	122	107	6
" 8.....	55	146	58	136	10	61	136	1
Totals .....	1,172	985	1,201	830	134	1,072	826	55

**Votes cast for Members of Common Council, City  
Election, 1894.**

Ward 18.		John E. Carleton.	John H. Colby.	John W. Johnson.	William Lewis.	G. Waldon Smith.	Timothy J. Sullivan.
Precinct 1.....		88	251	194	40	234	26
“ 2.....		71	284	274	69	269	55
“ 3.....		73	275	270	65	271	54
“ 4.....		78	225	223	78	203	68
“ 5.....		79	224	217	79	215	81
“ 6.....		168	145	138	161	136	151
“ 7.....		193	153	152	197	147	180
Totals .....		750	1,557	1,468	689	1,475	615

Ward 19.		Geo. W. Bennett.	Chas. C. Collins.	Daniel F. Connor.	Patrick J. Crowley.	Thos. F. Dolan.	Michael E. Gaddis.	Thos. F. Lyons.	Wm. H. Mason.	John F. Miller.	Walter F. Wilson.
Precinct 1....		112	48	136	108	68	179	21	20	92	86
“ 2....		64	11	165	147	45	128	12	21	38	35
“ 3....		125	22	145	126	54	109	18	15	108	101
“ 4....		139	18	90	80	31	75	15	20	139	107
“ 5....		192	22	95	89	38	89	15	21	184	174
“ 6....		187	11	99	116	30	91	11	26	172	153
“ 7....		104	22	134	127	78	158	26	29	89	91
“ 8....		126	27	143	110	141	164	25	24	116	113
“ 9....		74	49	75	81	68	129	74	31	67	74
Totals .....		1,123	230	1,082	984	553	1,122	217	207	1,005	934



**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 20.</b>	Chas. E. Eddy.	Edwin S. Fields.	Timothy E. McCarthy.	Geo. G. Morris.	William H. Porter.	Patrick E. Riddle.	Chas. T. Scott.
Precinct 1.....	93	220	229	90	93	191	23
“ 2.....	69	215	221	51	58	193	43
“ 3.....	131	131	131	122	124	120	37
“ 4.....	201	126	114	192	191	115	30
“ 5.....	55	215	240	47	57	218	25
“ 6.....	82	216	205	65	75	174	28
“ 7.....	172	167	164	163	160	153	26
“ 8.....	123	215	210	106	106	196	43
“ 9.....	87	124	125	75	75	137	14
“ 10.....	259	99	80	245	242	88	22
“ 11.....	262	63	39	247	238	44	19
“ 12.....	282	137	123	264	270	123	35
“ 13.....	157	260	251	145	145	255	24
Totals.....	1,973	2,188	2,132	1,812	1,834	2,007	369

<b>Ward 21.</b>	Leopold Abraham.	Richard F. Andrews, Jr.	Albert Garceau.	Hugo Hornig.	Samuel C. Jones.	Alfred Newmarch.	Walter C. Brown.
Precinct 1.....	64	197	64	59	191	207	
“ 2.....	152	203	166	146	184	176	1
“ 3.....	62	233	76	55	226	217	
“ 4.....	156	136	153	149	126	113	
“ 5.....	236	151	244	245	143	137	
“ 6.....	155	263	165	153	268	145	
“ 7.....	57	255	51	44	255	250	
“ 8.....	64	236	48	36	234	224	
“ 9.....	102	230	94	89	213	225	
“ 10.....	134	323	125	115	305	300	
“ 11.....	70	342	74	63	337	332	
“ 12.....	138	322	138	170	309	265	
Totals.....	1,390	2,891	1,398	1,324	2,791	2,591	1

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 22.</b>		Ed. H. Costello.	George Faul.	Amos L. Hathaway.	Andrew J. Gormley.	Charles Jacobs.	Chas. A. F. H. Lebbink.	Thomas Reynolds.
Precinct <b>1</b> .....		73	314	24	335	70	297	63
“ <b>2</b> .....		90	141	22	62	78	73	85
“ <b>3</b> .....		135	81	35	38	121	48	110
“ <b>4</b> .....		169	61	39	24	203	36	152
“ <b>5</b> .....		176	73	45	43	161	52	151
“ <b>6</b> .....		229	35	84	32	189	44	205
“ <b>7</b> .....		186	86	51	73	176	90	157
“ <b>8</b> .....		172	102	59	87	180	98	174
“ <b>9</b> .....		141	86	36	68	132	76	132
“ <b>10</b> .....		176	191	35	136	208	194	207
Totals.....		1,547	1,170	430	898	1,518	1,008	1,436

<b>Ward 23.</b>		John H. Bohan.	Chauncey K. Bullock.	Bart. H. Conig.	Edward Orchard.	Louis P. Pfau.	Fred. A. Wood.	James H. Kelley.
Precinct <b>1</b> .....		141	214	135	212	153	230	
“ <b>2</b> .....		177	189	110	180	146	198	1
“ <b>3</b> .....		195	193	157	183	151	194	
“ <b>4</b> .....		79	202	67	200	78	210	
“ <b>5</b> .....		75	288	82	267	102	290	
“ <b>6</b> .....		49	186	46	178	42	180	
“ <b>7</b> .....		83	195	88	189	82	181	
“ <b>8</b> .....		263	100	251	92	260	88	
“ <b>9</b> .....		203	229	203	240	219	221	
“ <b>10</b> .....		192	134	169	149	184	137	
“ <b>11</b> .....		135	225	126	228	159	219	
“ <b>12</b> .....		53	222	71	244	97	218	
“ <b>13</b> .....		69	274	124	257	77	261	
“ <b>14</b> .....		78	70	84	67	87	65	
Totals.....		1,792	2,721	1,713	2,686	1,837	2,692	1

**Votes cast for Members of Common Council, City  
Election, 1894.**

<b>Ward 24.</b>		Franklin L. Codman.	William H. Cook.	John J. Cunningham.	James J. Gallagher.	Herbert M. Manks.	William A. Manning.	Waldo D. Putnam.	James E. Robinson.	Walter W. Strangman.	Scattering.
Precinct	<b>1</b> .....	313	9	130	12	292	135	10	133	292	
"	<b>2</b> .....	251	11	71	6	237	76	10	75	242	
"	<b>3</b> .....	221	16	102	10	210	90	16	95	205	1
"	<b>4</b> .....	189	4	182	9	190	172	9	176	186	
"	<b>5</b> .....	119	9	205	9	104	183	10	199	96	
"	<b>6</b> .....	172	3	65	4	182	67	2	77	158	
"	<b>7</b> .....	197	3	88	7	167	101	7	82	160	
"	<b>8</b> .....	263	4	92	9	232	115	6	92	224	
"	<b>9</b> .....	220	9	73	4	203	74	4	76	237	
"	<b>10</b> .....	408	16	112	22	381	114	18	121	392	
"	<b>11</b> .....	191	8	76	9	181	75	6	73	193	
"	<b>12</b> .....	223	77	49	19	199	51	27	44	221	
"	<b>13</b> .....	385	19	124	18	374	112	22	112	374	
"	<b>14</b> .....	334	12	63	13	332	64	15	82	322	
"	<b>15</b> .....	307	11	79	5	295	81	8	83	291	1
"	<b>16</b> .....	181	3	98	2	176	93	3	94	174	
<b>Totals</b> .....		3,974	214	1,609	158	3,755	1,603	173	1,614	3,767	2

<b>Ward 25.</b>		John Q. A. Cushman.	William M. Farrington.	Francis F. Morton.	Robert Owen.	Eugene A. Reed, Jr.	Arthur H. Sargent.
Precinct	<b>1</b> .....	154	251	240	146	245	115
"	<b>2</b> .....	87	308	319	51	312	65
"	<b>3</b> .....	211	203	217	166	198	205
"	<b>4</b> .....	219	92	96	235	92	197
"	<b>5</b> .....	263	170	179	189	161	200
"	<b>6</b> .....	188	189	201	143	189	149
<b>Totals</b> .....		1,122	1,213	1,252	930	1,197	931

Votes cast for Street Commissioner, City Election, 1894,  
Term three Years.

Wards.	John P. Dore.	All others.
1.....	2,474	
2.....	1,538	
3.....	1,652	1
4.....	1,414	
5.....	1,410	1
6.....	986	
7.....	669	
8.....	1,185	3
9.....	1,143	
10.....	851	1
11.....	2,699	3
12.....	926	
13.....	1,677	1
14.....	3,052	5
15.....	2,005	4
16.....	1,169	7
17.....	1,576	27
18.....	1,737	
19.....	2,087	2
20.....	3,221	27
21.....	3,478	5
22.....	2,250	
23.....	3,651	
24.....	4,682	2
25.....	1,747	4
Totals.....	49,279	93

Proportion of men registered who voted, 55.97 per cent.

**Number of Men registered who Voted**  
(AS PER WARD OFFICERS' RETURN OF NAMES CHECKED ON  
VOTING-LIST) AT MUNICIPAL ELECTION, 1894.

Wards.	Number Registered.	Votes Cast.	Per cent. by Wards.
1 .....	4,329	3,519	81.29
2 .....	3,163	2,429	76.79
3 .....	3,036	2,378	78.33
4 .....	2,795	2,180	78.00
5 .....	2,720	2,148	78.97
6 .....	2,070	1,743	84.20
7 .....	1,542	1,198	77.69
8 .....	2,147	1,791	83.42
9 .....	2,260	1,687	74.65
10 .....	1,526	1,179	77.26
11 .....	4,807	3,533	73.50
12 .....	1,792	1,394	77.79
13 .....	3,193	2,599	81.40
14 .....	5,216	4,181	80.16
15 .....	3,533	2,819	79.79
16 .....	2,410	1,909	79.21
17 .....	2,997	2,350	78.41
18 .....	3,060	2,352	76.86
19 ... ..	3,905	3,025	77.46
20 .....	5,600	4,575	81.70
21 .....	5,588	4,542	81.28
22 .....	3,972	3,187	80.24
23 .....	5,926	4,884	82.41
24 .....	7,602	6,072	79.87
25 .....	3,025	2,517	83.21
Totals .....	88,214	70,191	

Average per cent. of men registered who voted, 79.57.

**Votes cast (Men and Women) for Members of School  
Committee, City Election, 1894.**

Wards.	THREE YEARS.									
	Geo. Z. Adams.*	Geo. W. Anderson.*	Sam'l H. Calderwood.*	Jane K. Culver.	A. T. Davison.*	Daniel Eldredge.	John W. Field.	Fk. M. Frost.	Wm. J. Gallivan.*	Mary A. Greene.
1..	2,518	1,275	2,509	1,422	2,197	1,427	1,435	1,431	1,200	1,334
2..	804	1,455	766	412	697	406	423	397	1,438	861
3..	1,060	1,370	1,017	679	957	696	703	664	1,372	871
4..	1,250	1,021	1,201	584	1,174	772	748	748	994	834
5..	949	1,173	907	581	859	573	564	545	1,183	823
6..	284	1,126	276	120	273	111	123	109	1,194	550
7..	292	746	274	141	249	128	129	134	714	378
8..	493	1,083	476	225	471	234	225	210	1,116	658
9..	1,255	653	1,113	604	1,012	597	585	562	575	854
10..	884	360	810	445	727	418	424	398	320	545
11..	2,911	1,146	2,482	1,351	2,227	1,209	1,186	1,183	972	1,970
12..	400	801	367	223	359	227	226	220	870	496
13..	342	1,611	295	150	297	133	143	114	1,995	791
14..	2,345	1,987	2,244	1,576	2,141	1,670	1,638	1,541	2,220	1,371
15..	1,147	1,504	1,106	775	1,039	780	796	738	1,677	915
16..	740	887	698	354	654	364	366	353	894	708
17..	1,545	928	1,484	982	1,403	899	884	851	877	931
18..	1,880	701	1,746	1,070	1,652	1,021	1,010	954	683	1,093
19..	1,440	1,421	1,389	875	1,219	890	887	849	1,467	1,027
20..	2,539	2,194	2,396	1,623	2,225	1,519	1,539	1,539	2,105	1,781
21..	3,706	1,556	3,543	2,187	3,213	2,227	2,205	2,112	1,451	1,977
22..	1,307	1,634	1,227	708	1,148	722	728	707	1,681	1,135
23..	3,412	1,796	3,099	1,818	2,974	2,097	1,826	1,796	1,705	2,089
24..	4,841	1,981	4,532	2,830	3,956	2,768	3,182	2,756	1,950	2,564
25..	1,513	947	1,510	935	1,375	915	895	835	927	953
Total	39,857	31,256	37,467	22,670	34,498	22,803	22,870	21,746	31,680	27,509

\* Elected.

REGISTRATION OF VOTERS.

65

Votes cast (Men and Women) for Members of School Committee, City Election, 1894.

THREE YEARS.										
Chas. F. Hall.	Sam'l F. Hubbard.	Gustav Liebman.*	John F. Moors.	Edward G. Morse.	M. J. Murray.	Walter G. Page.*	T. F. Strange.*	H. S. Wheelock.	Scattering.	Wards.
1,175	1,376	1,197	1,143	1,150	1,159	2,166	1,210	1,433	.....	1
1,390	512	1,391	1,388	1,382	698	656	1,418	501	.....	2
1,313	620	1,321	1,310	1,307	526	915	1,412	509	1 ...	3
945	643	953	947	929	613	1,060	950	649	.....	4
1,121	534	1,130	1,087	1,107	492	832	1,118	495	.....	5
1,070	269	1,104	1,064	1,026	314	212	1,152	226	.....	6
687	230	715	700	703	262	231	696	206	.....	7
1,053	350	1,082	1,045	1,025	458	383	1,054	326	1 ...	8
457	716	560	588	484	608	1,081	584	646	.....	9
284	534	304	304	264	406	767	314	499	.....	10
628	1,761	971	1,038	614	1,224	2,489	902	1,516	.....	11
760	283	760	752	741	489	330	815	245	.....	12
1,581	243	1,626	1,580	1,508	896	264	1,687	252	.....	13
1,888	962	1,925	1,842	1,814	1,438	1,991	1,998	998	.....	14
1,332	569	1,455	1,394	1,389	1,028	970	1,534	613	.....	15
904	497	863	838	800	511	568	856	486	.....	16
841	826	860	819	788	764	1,268	872	812	.....	17
562	1,000	695	608	583	883	1,626	643	958	.....	18
1,278	738	1,362	1,268	1,353	878	1,206	1,387	785	3 ..	19
2,011	1,193	2,087	2,020	2,051	1,179	2,263	2,092	1,228	.....	20
1,342	1,797	1,447	1,352	1,438	1,453	3,199	1,467	1,742	1 ..	21
1,537	743	1,557	1,501	1,491	893	1,072	1,664	731	.....	22
1,622	1,724	1,745	1,618	1,584	1,661	2,943	1,662	1,782	.....	23
1,869	2,281	1,744	1,729	1,639	1,937	4,259	1,868	2,661	.....	24
858	811	869	846	825	764	1,326	890	838	.....	25
28,508	21,212	29,723	28,781	27,995	21,534	34,077	30,245	21,137	6	

\* Elected.





Municipal Election, 1894.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	784	.....1
.....	.....	.....	.....	.....	.....	.....	186	.....2
.....	.....	.....	.....	.....	.....	.....	375	.....3
.....	.....	.....	.....	.....	.....	.....	392	.....4
.....	.....	.....	.....	.....	.....	.....	335	.....5
.....	.....	.....	.....	.....	.....	.....	35	.....6
.....	.....	.....	.....	.....	.....	.....	30	.....7
.....	.....	.....	.....	.....	.....	.....	89	.....8
.....	.....	.....	.....	.....	.....	.....	363	.....9
.....	.....	.....	.....	.....	.....	.....	140	.....10
92	62	.....	.....	.....	.....	.....	649	.....11
.....	.....	.....	.....	.....	.....	.....	80	.....12
.....	.....	.....	.....	.....	.....	.....	61	.....13
71	86	102	.....	.....	.....	.....	904	.....14
.....	.....	.....	.....	.....	.....	.....	446	.....15
.....	.....	.....	.....	.....	.....	.....	117	.....16
.....	.....	.....	.....	.....	.....	.....	488	.....17
.....	.....	.....	.....	.....	.....	.....	523	.....18
.....	.....	.....	.....	.....	.....	.....	400	.....19
129	94	125	39	.....	.....	.....	759	.....20
111	102	128	.....	.....	.....	.....	1,148	.....21
52	.....	.....	.....	.....	.....	.....	297	.....22
37	77	106	47	7	.....	.....	786	.....23
109	64	61	120	143	87	50	1,311	.....24
.....	.....	.....	.....	.....	.....	.....	393	.....25
.....	.....	.....	.....	.....	.....	.....	11,091	



## Committee at Municipal Election, 1894.

PRECINCTS.							Totals.	Wards.
10.	11.	12.	13.	14.	15.	16.		
.....	.....	.....	.....	.....	.....	.....	619	..... 1
.....	.....	.....	.....	.....	.....	.....	151	..... 2
.....	.....	.....	.....	.....	.....	.....	300	..... 3
.....	.....	.....	.....	.....	.....	.....	317	..... 4
.....	.....	.....	.....	.....	.....	.....	233	..... 5
.....	.....	.....	.....	.....	.....	.....	29	..... 6
.....	.....	.....	.....	.....	.....	.....	27	..... 7
.....	.....	.....	.....	.....	.....	.....	66	..... 8
.....	.....	.....	.....	.....	.....	.....	266	..... 9
.....	.....	.....	.....	.....	.....	.....	110	..... 10
61	44	.....	.....	.....	.....	.....	451	..... 11
.....	.....	.....	.....	.....	.....	.....	65	..... 12
.....	.....	.....	.....	.....	.....	.....	46	..... 13
54	68	85	.....	.....	.....	.....	743	..... 14
.....	.....	.....	.....	.....	.....	.....	341	..... 15
.....	.....	.....	.....	.....	.....	.....	94	..... 16
.....	.....	.....	.....	.....	.....	.....	381	..... 17
.....	.....	.....	.....	.....	.....	.....	395	..... 18
.....	.....	.....	.....	.....	.....	.....	325	..... 19
111	79	95	29	.....	.....	.....	617	..... 20
93	70	103	.....	.....	.....	.....	919	..... 21
44	.....	.....	.....	.....	.....	.....	234	..... 22
34	62	84	38	7	.....	.....	642	..... 23
73	39	59	93	120	69	42	1,058	..... 24
.....	.....	.....	.....	.....	.....	.....	304	..... 25
.....	.....	.....	.....	.....	.....	.....	8,733	

Proportion of women registered who voted, 73.74 per cent.

**Votes cast on Question of License, City Election, 1894.**

Wards.	Yes.	No.
1 .....	1,411	1,649
2 .....	1,191	843
3 .....	1,168	811
4 .....	1,098	717
5 .....	1,179	658
6 .....	808	547
7 .....	637	381
8 .....	954	518
9 .....	858	527
10 .....	668	391
11 .....	2,110	936
12 .....	752	393
13 .....	1,363	722
14 .....	2,058	1,515
15 .....	1,376	1,012
16 .....	934	602
17 .....	1,183	746
18 .....	1,205	762
19 .....	1,432	1,039
20 .....	2,341	1,540
21 .....	2,384	1,531
22 .....	1,842	873
23 .....	2,442	1,757
24 .....	2,771	2,425
25 .....	1,275	853
Totals .....	35,440	23,748

Proportion of men registered who voted, 67.10 per cent.



ANNUAL REPORT  
 OF THE  
 REGISTRY DEPARTMENT  
 FOR THE YEAR 1894.

BOSTON, June, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In compliance with the ordinance, I beg leave to report that, according to our books, there were recorded for the year 1894,

15,401 births } including 247 children of parents usually residing out of this city.  
 } 28 born out of town of Boston parents.

6,251 intentions of marriage.

5,464 marriages solemnized in this city.

779 marriages of citizens married elsewhere in the State, including 110 marriages of citizens married out of the State.

11,531 deaths.

721 still-born children. (See Appendix A.)

As compared with previous years:

	1892.	1893.	1894.
Births . . . . .	15,154	14,602	15,401
Intentions . . . . .	6,516	6,564	6,251
Marriages . . . . .	5,670	5,755	5,464
Deaths . . . . .	11,241	11,713	11,531

## LEGISLATION.

In my report for 1893 so much space was given to new legislation just coming into effect, that it is only necessary to consider its results. The law in regard to the marriage of minors has proved quite effectual, and recent immigrants seem to have been informed of our customs and laws. Many alterations of the laws respecting marriages and registration were proposed to the Legislature of 1895, but only one new law, viz., chapter 427, was enacted. The Spiritualists and the Salvation Army both asked for laws allowing their officers or nominees to have the power to solemnize marriages.

In October, 1894, a case was tried in the Roxbury Police Court to test the meaning of the law requiring a clergyman to be "ordained according to the usage of his denomination," before he could solemnize marriage. The Court, after a careful presentation of evidence by experts in ecclesiastical history, decided that the defendant, who belonged to the Trinitarian Congregational denomination, had not been ordained in proper form, as no council of churches was called to ordain and install. The larger question of what constitutes ordination in other Congregational denominations was not raised.

It would seem that before long the Legislature will be forced to revise the language of the statutes so as to meet the changes of the past century. New faiths demand recognition, even to the extent of preferring civil marriages only to the present privileges given to certain denominations.

On Christmas Eve a member of the Salvation Army assumed to solemnize a marriage in this city, and thereby raised another question as to the meaning of the words "ordination" and "denomination." This case is still in the hands of the police authorities for trial.

The law conferring on Israelitish rabbis the same power as to marrying which Christian ministers possess, seems to be unnecessarily lax. It appears in practice that many persons are called rabbis who cannot speak or write English. They do not understand our laws, and perform marriages without complying therewith. Even when instructed as to the need of a certificate, they cannot read it nor make the proper endorsement thereon. As they act in this matter as officers of the Commonwealth, it seems only fair to require a competent knowledge of our language. I therefore recommend that application be made to the Legislature for such an amendment to chapter 461 of Acts of 1893.

In my last report were printed the drafts of acts respecting the names of persons, and official seals. With the

Mayor's approval these acts were submitted to the Legislature of 1895, and rejected with the utmost promptness. I beg leave to suggest that these reforms must eventually be made, in view of the hardships inflicted by the present law or lack of law in regard to change of names. At present if a parent or even a domestic give the Christian name of a child to the officials, that name can only be altered by order of the Probate Court, at a cost of some twenty-five dollars. As to the right to use an official seal in this office, the refusal to authorize it causes much inconvenience to persons in other States where such seals are in use. Their laws require copies to be certified by the official seal, and no valid objections have ever been raised to some similar act in this Commonwealth.

The law in regard to the record of deaths remains in the old, unsatisfactory state.

By statute the record of the town clerk relative to a death is made *prima facie* evidence in legal proceedings of the facts recorded. The physician and the undertaker share the responsibility of furnishing the certificates by which these records are made, including the age of the deceased person. This fact is evidently one which, except in the case of an infant, is beyond the personal knowledge of the physician or undertaker, yet the latter must fill out the certificate before he can obtain a permit to bury the deceased. As a matter of course the age is often incorrectly stated, and great inconvenience or damage results. A surprisingly large number of persons are interested in life-insurances. The exact age becomes often a matter of great importance when the age of the deceased is recorded as different from that given in his life-time. The authority wrongly given by our statutes to the official record of the age of the deceased, becomes a hindrance to justice. The State officials may properly expect to prove the exact date of births, marriages, or deaths; and with living persons to question, they can obtain the probable ages of persons applying for a marriage certificate. But the age of a dead man is a matter beyond the scope of their facilities of knowledge. The law should be amended so as to define the proofs of age to be required, and the method of correcting errors.

#### CONSOLIDATED INDEXES.

In July, 1894, I was able to report that the Consolidated Indexes of Deaths, from 1849 to 1881 inclusive, had been completed. Early in 1895 the similar Indexes of Births were finished and put in use. The Marriage Indexes will

be finished by September 1, and in fact one volume of the six is already finished.

From 1882 to date the various Indexes have been classified ones, the only suitable form. It has been deemed necessary to have these all rebound, each year separately, for obvious reasons. In doing this, the experiment has been tried of binding in canvas covers. The experience of this office has shown that binding large and heavy volumes in full calf is not only very expensive, but not very durable. For the past two years binding in half calf with ends and corners and cloth sides has been tried as a matter of economy. Now the experiment of substituting canvas for leather is in progress, and if successful the saving will be considerable.

#### ANCIENT RECORDS.

During the past year this department has issued the volumes mentioned in the last report, viz. : Hales's Plans of Boston Street Lines, and the Mayors' Inaugural Addresses. Both volumes have been favorably received by the public. I hope to issue a second volume of the Addresses this year.

Volumes 24 and 25 of the Record Commissioners' Reports have been printed and distributed. The 26th Report will be issued by September, and the series of Town Records is approaching completion. The loss of the stereotype plates of so many of the earlier volumes of the Reports, due to the accident in the City Hall basement, has prevented our issuing sets to numerous applicants. I am repairing these deficiencies, however, as rapidly as possible.

The documents kindly sent here from the Overseers of the Poor have been mounted and bound in six volumes. The volumes of Apprentices' Indentures in the last century have been indexed.

The volume of Boston Marriages from 1700 to 1800 is being prepared for the press, and the record of Banns or Publishments will be collated therewith.

- The financial statement for the Record branch of this office, as kept in the accounts of the Superintendent of Printing, is as follows :

		Cr.
Balance on hand February 1, 1894	. . .	\$5,113 38
Appropriation, 1894	. . . . .	3,000 00
		\$8,113 38



DR.

Cost of Hales's Plans, balance . . . .	\$2,833 53
Cost of Mayors' Inaugurals, Vol. 1 . . . .	740 98
Cost of Record Commissioners' Report, No. 24 . . . .	1,016 71
Balance February 1, 1895 . . . .	3,522 16
	<hr/>
	\$8,113 38
	<hr/> <hr/>

## CHAP. 249, OF ACTS OF 1895.

AN ACT TO AUTHORIZE THE CITY OF BOSTON TO PAY A SUM OF MONEY TO CATHERINE J. SHORT.

*Be it enacted, etc., as follows:*

SECTION 1. The city of Boston is hereby authorized to pay to Catherine J. Short, widow of John C. Short, late a clerk in the employ of said city, the balance of salary to which he would have been entitled had he lived and continued to hold his office until the first day of May, in the year eighteen hundred and ninety-five.

SECT. 2. This act shall take effect upon its passage.

*Approved April 6, 1895.*

By an order of the City Council, approved by His Honor the Mayor, April 24, 1895, the sum of \$1,074.09 was paid for the above purpose. This was of course not included in the annual estimates.

Respectfully submitted,

WILLIAM H. WHITMORE,  
*City Registrar.*

## FINANCIAL STATEMENT.

Cash on hand February 1, 1894 (City Doc. No. 60)	\$158 00
Appropriation for 1894	33,000 00
	<hr/>
	\$33,158 00

## RECEIPTS.

Received for Marriage Licenses, from February 1, 1894, to January 31, 1895, inclusive:

Nos. 516 @ 6,251, of 1894, = 5,736 certificates	
Nos. 1 @ 513, of 1895, = 513 "	
	<hr/>
6,249 " @ 50c. =	3,124 50
	<hr/>
	\$36,282 50

## EXPENDITURES.

Salaries, regular employees	\$19,300 52
Collecting births of 1893	1,601 33
Extra work on Consolidated Indexes	8,283 75
Binding old records in office	1,874 08
Printing and stationery	1,350 82
Sundries	556 15
	<hr/>
	\$32,966 65
Transfer by Auditor February 1, 1895	33 35
	<hr/>
	\$33,000 00
Paid physicians for 10,426 births at 25c., reported from February 1, 1894, to February 1, 1895, as per vouchers paid in by me to the Auditor, viz.:	
February 1 to June 30, '94	\$1,012 50
July 1 to October 31, '94	862 00
Nov. 1, '94, to February 1, '95.	732 00
	<hr/>
	2,606 50
Cash paid City Collector, per vouchers	500 00
	<hr/>
	\$36,106 50
Cash balance February 1, 1895	176 00
	<hr/>
	\$36,282 50

## APPENDIX A.

## Still-Births for 1894.

	M.	F.	U.	Total.
January.....	32	25	1	58
February.....	34	22	1	57
March.....	37	25	2	64
April.....	27	23	.....	50
May.....	37	28	4	69
June.....	39	37	5	81
July.....	33	17	2	52
August.....	27	17	1	45
September.....	31	22	2	55
October.....	40	33	1	74
November.....	44	26	1	71
December.....	29	15	1	45
Total.....	410	290	21	721

Included in the above table are twenty-one *Colored* Still-births, fourteen males and seven females.

	M.	F.	Total.
January.....	5	2	7
February.....	.....	1	1
March.....	.....	1	1
April.....	2	1	3
May.....	1	.....	1
June.....	1	1	2
July.....	1	.....	1
August.....	1	.....	1
September.....	1	.....	1
October.....	.....	.....	.....
November.....	.....	1	1
December.....	2	.....	2
Total.....	14	7	21

## APPENDIX B.

PROMINENT PERSONS ON ACCOUNT OF AGE OR SERVICE  
WHO DIED IN 1894.

DATE OF DEATH.		AGE.
<b>1894.</b>		
Jan. 2	Daniel Hurley . . . . .	85
3	Elizabeth P. Peabody . . . . .	89
4	Edward Gallagher . . . . .	87
4	William Smith . . . . .	86
4	Drury M. Marshall . . . . .	84
4	William Moulton (Ex-Policeman) . . . . .	82
4	William G. Means (Treasurer) . . . . .	78
5	William Taylor (Ex-Health Commissioner) . . . . .	62
7	Joshua R. Peirce (Rev.) . . . . .	62
7	Margaret McDonald . . . . .	85
7	Sarah Foster . . . . .	95
8	William Daly . . . . .	88
8	Edward Motley . . . . .	77
8	Lucy Bowe . . . . .	89
8	Louisa C. Vose . . . . .	92
9	Nancy B. Fleming . . . . .	86
9	Joseph Good . . . . .	86
10	Martin V. B. Kimball (Captain of Engine 32) . . . . .	59
12	George W. Forristall (Supt. of Sanitary Dept.) . . . . .	67
12	Thomas F. Maxwell (Probation Officer) . . . . .	52
14	Bridget Sullivan . . . . .	90
15	John McElroy . . . . .	85
15	John S. Martin . . . . .	80
17	Thomas Cahir . . . . .	86
18	Johanna Fitzpatrick . . . . .	88
18	Nathan Holbrook . . . . .	86
19	William Gaston (Ex-Mayor) . . . . .	73
21	Edward C. Brooks (Bank Cashier) . . . . .	64
21	Almira Pike . . . . .	89
23	Hannah J. Owen . . . . .	90
25	Margaret G. Redding . . . . .	92
27	Lucinda C. Phillips . . . . .	85
28	Thomas Hersey . . . . .	88
28	Lydia S. Wiley . . . . .	87
29	James Adams (Lieut. of Police) . . . . .	80
Feb. 3	Bridget Keough . . . . .	90
3	Joseph T. Orne . . . . .	85
4	Francis B. Snow (Teacher) . . . . .	69
4	Lucretia Towne . . . . .	89
5	Archibald H. Doig (M.D.) . . . . .	28
6	Thomas A. Gardner . . . . .	89
8	Anna Fleschner . . . . .	88
9	Catherine Kitson . . . . .	85
9	Lyman Mason (Lawyer) . . . . .	78
10	Susan Leavitt . . . . .	86
12	Jonas B. Clarke (Rev.) . . . . .	78

REGISTRY DEPARTMENT.

9

DATE.		AGE.
Feb. 15	Elizabeth Gilson . . . . .	85
15	Jacob S. Whitney . . . . .	85
16	Edward Bangs (Lawyer) . . . . .	68
16	Robert S. Covell (Bank President) . . . . .	65
17	James Towle . . . . .	89
17	James E. Priest (Deputy Collector) . . . . .	47
17	Olive W. Prentiss . . . . .	87
18	Lucy Marshall . . . . .	93
19	Thomas Goddard . . . . .	88
20	Ellen Dilley . . . . .	87
20	Horatio N. Crane . . . . .	90
22	Benjamin S. Codman (M.D.) . . . . .	77
23	William Sohler (Lawyer) . . . . .	71
24	Letitia Blakemore . . . . .	84
24	Moses L. Capen . . . . .	85
26	William Minot (Lawyer) . . . . .	76
27	William J. G. Fogg (M.D.) . . . . .	42
27	William H. Towne (Lawyer) . . . . .	50
28	Mary A. Nazro . . . . .	99
28	Hannibal T. Ripley (Truant Officer) . . . . .	61
Mar. 1	Joel Seaverns (M.D.) . . . . .	65
3	Lawrence O'Connor . . . . .	90
4	Warren K. Blodgett (R.R. President) . . . . .	67
5	Nancy P. Worster . . . . .	85
5	Timothy Daniell . . . . .	87
6	Susan Gray . . . . .	95
9	Bethiah A. Weymouth . . . . .	85
9	Robert Rickford (Teacher) . . . . .	70
10	John O'Donovan . . . . .	92
10	Deborah O'Connor . . . . .	87
11	Elizabeth Dwyer . . . . .	86
11	Mary J. Sanborn . . . . .	86
12	James Crawson . . . . .	89
12	Mary B. Hoadley . . . . .	86
13	Eliza A. Crawson . . . . .	83
18	Samuel King . . . . .	88
23	Sarah Reinstein . . . . .	88
24	Henry A. McGlenen . . . . .	67
26	Rebecca F. Walcott . . . . .	88
27	Fanny Knapp . . . . .	90
29	Clara A. W. Sumner . . . . .	86
31	Sullivan L. Carpenter . . . . .	85
April 3	John M. L. Babcock (Rev.) . . . . .	71
4	Maria C. Crabbio . . . . .	90
10	Sarah Foley . . . . .	87
11	Mary E. Dillaway . . . . .	94
11	Kezia D. Dickey . . . . .	87
11	Sarah Vye . . . . .	93
12	James M. Keith (Lawyer) . . . . .	74
13	James H. Means (Rev.) . . . . .	70
15	Edward L. Giddings (Rev.) . . . . .	62
16	Mary A. C. Cooledge . . . . .	87
16	Margaret A. Sargent . . . . .	85
17	Frank H. Hinman (Rev.) . . . . .	36
17	Bridget McCaffrey . . . . .	85
20	John L. Emmons . . . . .	90
21	Ann E. Lambert . . . . .	85
22	Fanny Crowell . . . . .	89
23	Henry K. Appleton . . . . .	83

DATE.		AGE.
April 25	Susan N. May . . . . .	90
26	Thomas Morong (Rev.) . . . . .	67
28	Nancy W. Houghton . . . . .	84
28	Frederick J. Krollman (M.D.) . . . . .	50
May 4	Waldo Higginson (Ins. Co. President) . . . . .	80
6	Ann R. Morrill . . . . .	90
7	John P. Tarbell (Lawyer) . . . . .	86
8	Catherine Fitzgerald . . . . .	92
14	Maurice K. Hartnett (M.D.) . . . . .	70
14	Alonzo Dexter . . . . .	87
15	Mary Tarbox . . . . .	85
16	Harriet Emery . . . . .	95
16	Louisa Tilden . . . . .	91
16	Ann H. Brown . . . . .	86
17	John Toal . . . . .	98
19	Jeremiah G. Newell . . . . .	89
19	Bridget Broderick . . . . .	90
24	Patrick Cronan . . . . .	95
25	Nancy C. Gilman . . . . .	88
27	Samuel T. Hawthorne (M.D.) . . . . .	62
29	Freeman French . . . . .	88
29	Jane Douglass . . . . .	96
June 3	Patrick Curley . . . . .	90
7	Catherine Hogan . . . . .	90
8	Lucy E. Stratton . . . . .	89
9	Bridget Hibbits . . . . .	85
17	Charles E. Briggs (M.D.) . . . . .	61
18	Thatcher Thomas . . . . .	87
18	Lucy Jackson . . . . .	87
20	Mary A. Smith . . . . .	85
22	John Cordner (Rev.) . . . . .	77
22	Samuel B. Clarke (M.D.) . . . . .	35
28	Patrick Flynn . . . . .	85
20	Celia Rogers (Colored) . . . . .	90
July 2	Nora H. Hickey . . . . .	88
4	Mariana Ehemann . . . . .	85
4	Hepzibah B. Murphy . . . . .	85
4	Margery Lynn . . . . .	92
10	Joshua Emmons . . . . .	94
12	Mehitable Carr . . . . .	91
12	Michael Moran (Rev.) . . . . .	60
13	Leonard R. Cutter (Ex-Alderman) . . . . .	69
14	Thomas Adams . . . . .	91
15	Joseph A. Pagani (M.D.) . . . . .	58
16	Adeline V. Hyde . . . . .	85
16	Charles S. Rogers (Rev.) . . . . .	63
18	William H. Garfield . . . . .	84
19	Charles H. Thomas . . . . .	87
20	Daniel Delaney . . . . .	89
20	Julia Chauncey . . . . .	92
21	Michael Roache . . . . .	93
22	Samuel C. Clark . . . . .	85
21	John C. Short (Asst. City Registrar) . . . . .	33
26	Mary Knight . . . . .	86
27	Lucy B. Lunt . . . . .	85
27	Amos Cutler . . . . .	85
Aug. 4	Madeline M. Griess . . . . .	85
6	Eliza C. Forbes . . . . .	90
7	Joshua Haines . . . . .	90

DATE.		AGE.
Aug. 8	Alexander Mitchell . . . . .	93
9	Harriet Horton . . . . .	91
16	Henry K. Frothingham . . . . .	87
21	John Reid . . . . .	86
21	William A. Quinn (Rev.) . . . . .	26
25	Helen M. Robbins . . . . .	87
28	Eliza Van Buskirk . . . . .	88
30	Charlotte A. Smith . . . . .	92
31	Frederick P. Conant . . . . .	87
Sept. 2	Mary E. Browning . . . . .	90
5	Hannah Gill . . . . .	85
8	Fidelia Wiley . . . . .	85
9	Magdalena A. Thayer . . . . .	86
12	Franklin Cummings . . . . .	92
12	John Sullivan . . . . .	86
16	Michael Donnelly . . . . .	85
17	Daniel S. Stone . . . . .	85
17	Mary M. Wetherbee . . . . .	89
18	Evelina A. S. Smith . . . . .	92
18	Mary A. B. Smith . . . . .	86
23	Miriam R. Valentine . . . . .	92
27	Charlotte B. Clark . . . . .	86
28	Annie M. Bird . . . . .	85
28	Frederick D. Allen . . . . .	86
30	Margaret Sears . . . . .	98
Oct. 2	Thomas W. Seaverns . . . . .	91
4	Albinus O. Hamilton (M.D.) . . . . .	62
5	Sarah C. Carr . . . . .	95
7	Luther Colby (Editor) . . . . .	80
7	Joseph S. Lovering . . . . .	85
7	Oliver W. Holmes (M.D.) . . . . .	85
10	Mary F. Hall . . . . .	92
10	Charles Main (M.D.) . . . . .	79
15	Adeline A. Lucy . . . . .	85
18	Catharine Hooper . . . . .	85
23	Edward A. Johnson . . . . .	84
23	Sarah J. Williams . . . . .	85
24	Margaret Conn . . . . .	92
24	Betsey Jewell . . . . .	86
26	Catharine Needham . . . . .	85
28	Robert L. Huckins (Dept. Warden, State Prison) . . . . .	53
28	Henry C. Hutchins (Lawyer) . . . . .	74
30	Edward P. Loring (Lawyer) . . . . .	58
31	William H. Foster . . . . .	84
Nov. 2	Christina D. Delano . . . . .	91
2	Joanna Daly . . . . .	85
3	Philander S. Witherell . . . . .	85
3	Joseph W. Turner (Prof. of Music) . . . . .	76
7	Diana Grant . . . . .	93
7	Sarah D. Hobart . . . . .	85
8	Mary A. Cates . . . . .	86
8	Isidor Eichberg (Prof. of Music) . . . . .	68
9	Lydia Payson . . . . .	85
14	Anna C. Lowell . . . . .	86
14	Derrick W. Chapin . . . . .	84
16	Mary McDonough . . . . .	85
16	Robert C. Winthrop . . . . .	85
17	Bridget Meehan . . . . .	92
20	Elizabeth B. Needham . . . . .	86

DATE.		AGE.
Nov. 21	John L. Dudley (Rev.) . . . . .	82
23	John Burrage . . . . .	88
24	Sarah A. Battis . . . . .	89
27	Patrick Hughes . . . . .	89
28	Thomas McLean . . . . .	96
29	Daniel McCarthy . . . . .	85
29	Ellen Sullivan . . . . .	93
Dec. 1	Richard Collins . . . . .	85
3	John Killion . . . . .	90
4	John McGlynn . . . . .	92
6	Susan B. Woodward . . . . .	87
8	Isaac Vigdor . . . . .	86
9	Francis H. Jenks (Journalist) . . . . .	56
9	Ann A. E. Tucker . . . . .	88
9	Jane Quigley . . . . .	95
11	Maurice Ahern . . . . .	89
15	Sarah B. Worley . . . . .	91
17	Sarah J. Ketchum . . . . .	85
18	Margaret Crilley . . . . .	85
19	John Conroy . . . . .	85
20	George S. Ellis (Rev.) . . . . .	80
20	Mary Gorman . . . . .	86
22	Hannah White . . . . .	88
23	Jane Sharkey . . . . .	85
24	Benjamin H. Currier (Lawyer) . . . . .	98
25	Nancy M. Pratt . . . . .	90
29	Eliza Sullivan . . . . .	85
31	Abigail Gowen . . . . .	96



## APPENDIX C.

## INTRODUCTION.

For many reasons it seems desirable to collect in chronological arrangement, the laws relating to marriages and the registration thereof, from the date of the establishment of the Commonwealth.

The history of the marriage laws prior to that date has been admirably set forth by Chief Justice HORACE GRAY of our Supreme Court, in the case of *Commonwealth v. Munson*, decided in Oct., 1879, and reported in 127 Mass. Reports.

With the consent of the Reporter of Decisions, the opinion is given in full.

W. H. W.

OPINION OF THE SUPREME COURT IN THE CASE OF  
COMMONWEALTH *v.* MUNSON.

GRAY, C. J. In Massachusetts, from very early times, the requisites of a valid marriage have been regulated by statutes of the Colony, Province, and Commonwealth; the canon law was never adopted; and it was never received here as common law, that parties could by their own contract, without the presence of an officiating clergyman or magistrate, take each other as husband and wife, and so marry themselves. *Milford v. Worcester*, 7 Mass. 48, 53. 2 Dane Ab. 291, 301. 2 Winthrop's Hist. New England, 43. This clearly appears on tracing the history of the legislation upon the subject; the whole of which, whether repealed or unrepealed, is by a familiar rule to be considered in ascertaining the intention of the Legislature. *Church v. Crocker*, 3 Mass. 17, 21. *Eaton v. Green*, 22 Pick. 526, 531. *Commonwealth v. Bailey*, 13 Allen, 541, 545.

As early as 1639, it was "ordered and declared" by the General Court, "that there be records kept of the days of every marriage, birth and death of every person within this jurisdiction." 1 Mass. Col. Rec. 276. Anc. Chart. 43. In 1642, it was enacted that "the magistrates and other persons appointed to marry shall yearly deliver to the recorder of that court which is nearest to the place of their habitation the names of such persons as they have married, with the days, months and years of the same; and the said recorders are faithfully and carefully to enrol such marriages as shall thus be committed to their trust;" and in 1644,

every new-married man was required "to bring in a certificate of his marriage, under the hand of that magistrate which married him, to the clerk of the writs," to be recorded. 2 Mass. Col. Rec. 15, 59. Mass. Col. Laws (ed. 1660) 68; (ed. 1672) 130. Anc. Chart. 181.

The requisite of solemnization before a magistrate or other authorized person, as essential to constitute a valid marriage, which had been clearly implied in these statutes, was distinctly expressed in the following statute of 1646: "As the ordinance of marriage is honorable amongst all, so should it be accordingly solemnized. It is therefore ordered by this Court and authority thereof, that no person whatsoever in this jurisdiction shall join any persons together in marriage, but the magistrate, or such other as the General Court or Court of Assistants shall authorize in such place where no magistrate is near. Nor shall any join themselves in marriage, but before some magistrate or person authorized as aforesaid. Nor shall any magistrate, or other person authorized as aforesaid, join any persons together in marriage, or suffer them to join together in marriage in their presence, before the parties to be married have been published according to law." Mass. Col. Laws (ed. 1660) 52; (ed. 1672) 102. Anc. Chart. 152.

In 1656 and 1658, the "commissioners for ending small causes in the several towns where no magistrate dwells" were "authorized and empowered to solemnize marriage between parties legally published;" "and all other commissions in this case are hereby made void." 4 Mass. Col. Rec. pt. i. 255, 322. Anc. Chart. 152. The provision of the St. of 1646, prohibiting persons to join themselves in marriage, except before a magistrate or other authorized person, continued in force throughout the period of the colony charter.

By the Prov. St. of 1692-3 (4 W. & M.) c. 25, "every justice of the peace within the county where he resides, and every settled minister in any town, shall and are hereby respectively empowered and authorized to solemnize marriages, within their respective towns and counties, betwixt persons that may lawfully enter into such a relation, having the consent of those whose immediate care and government they are under, and being likewise first published" as therein directed; and "every justice and minister shall keep a particular register of all marriages solemnized before any of them, and make a return thereof" quarterly to the clerk of the sessions of the peace of the county, to be by him registered. 1 Prov. Laws (State ed.) 61. Anc. Chart. 242.

By the Prov. St. of 1695-6 (7 W. III.) c. 2, § 4, "for the better preventing of clandestine marriages," it is enacted that "no person other than a justice of the peace, and that within his own county only, or ordained minister, and that only in the town where he is settled in the work of the ministry, shall or may presume to join any persons together in marriage; nor shall any justice or minister join any person in marriage other than such one or both of whom are inhabitants or residents in such county or town respectively;" with more specific provisions as to publication of banns and consent of parents and guardians, and a further provision that any justice, minister or other person offending

against this act shall suffer a penalty, and be "forever after disabled to join persons in marriage," and be also liable to an action by the parent or guardian. 1 Prov. Laws, 209, 210. Anc. Chart. 283.

By the Prov. St. of 1716-17 (3 Geo. I.) c. 16, after reciting in the preamble the principal passage above quoted from the act of 1695-6, it is enacted that "the power granted ministers to join persons together in marriage be hereby enlarged, so as that where there shall be no settled ordained minister in any town or precinct, or where the only settled ordained minister of any town or precinct is himself to be married, it shall and may be lawful in such cases for the next settled ordained minister in another town within the same county to join in marriage the minister, or inhabitants of such town or precinct destitute of such settled ordained minister, if such minister or inhabitants desire it, according to the rules prescribed by the laws of this Province for the consummating marriages;" and penalties are imposed on ministers and clerks neglecting to return or record marriages. 2 Prov. Laws, 60. Anc. Chart. 416.

So by an act of 1773 (13 Geo. III.) the authority of each minister of the Church of England within the Province to join persons in marriage, (which had previously been limited to persons belonging to the town in which the minister himself dwelt,) was not only extended to include persons usually worshipping with him and whose ministerial taxes he had a right by law to receive, although not belonging to the same town; but it was enacted that "where any minister of the Church of England is himself to be married, or where such minister shall be removed by death or otherwise, so that the religious society of Christians in which he presided shall be destitute of a minister, it shall be lawful in such cases for the next minister within the Province of the same denomination to join in marriage the minister, or any of the people constituting such religious society who may lawfully enter into such a relation." Mass. Perpetual Laws (Supplts. to ed. 1759) 632. Anc. Chart. 679.

These statutes plainly signify that by the law of the Province even a minister, authorized to solemnize marriages between other persons, could not marry himself.

The only other statutes of the Province which have come to our notice are one of 1727 (1 Geo. II.) providing for the publication of banns of persons residing in places where there was no town clerk, and one of 1763 (3 Geo. III.) concerning the powers of ministers whose parishes were made out of two or more adjacent towns. 2 Prov. Laws, 464. Mass. Perpetual Laws (Supplts. to ed. 1759) 444. Anc. Chart. 462, 655.

The Province laws on this subject remained in force until after our Revolution; and it was before they had been changed by any statute of the Commonwealth that the marriage took place, the validity of which was brought in question in the leading case of *Milford v. Worcester*, 7 Mass. 48. In that case it appeared that in 1784 a man and a woman went together into a room where a justice of the peace happened to be, and in his presence, and before other witnesses, after producing a cer-

tificate that their intentions of marriage had been published the man declared that he took the woman as his lawful wife, and she declared that she took him as her lawful husband, and each made to the other the vows and promises usual in contracting marriages ; but upon the question whether this proceeding was directed and encouraged by the justice the evidence was conflicting. It was ruled by Mr. Justice (afterwards Chief Justice) Sewall at the trial, and held by the full court in an elaborate judgment delivered by Chief Justice Parsons, that, if the proceeding had not the sanction of the justice as a magistrate, the marriage was void, and neither the woman nor her children took the settlement of the man. The position that the marriage, though not solemnized pursuant to the statutes, was yet a lawful marriage, had between parties competent to contract marriage, and not declared void by any statute, was fully argued and considered ; and the court, while admitting the strength of that position in States the laws of which had prescribed no regulations for the celebration of marriages, was clearly of opinion that the provisions of our statutes, by necessary implication, prohibited persons from solemnizing their own marriages by any form of mutual engagement, or in the presence of any witnesses whatever.

The St. of 1786, c. 3, manifested no intention to change the law in this respect. While it expressly repealed all former laws relating to the solemnization of marriages, it substantially reenacted many of their provisions. It empowered justices of the peace within their counties, and stated and ordained ministers within their towns or parishes, to solemnize marriages ; provided that, when any such minister was himself to be married, it should be lawful for any other such minister within the same county to marry him ; required "all persons desiring to be joined in marriage" to have their intention published, and to "produce to the justice or minister who shall be desired to marry them" a certificate of such publishment ; obliged justices and ministers to keep records and make returns of the marriages solemnized by them ; and made persons illegally solemnizing marriages, or neglecting to make returns, subject to penalties, and to be thereafter disqualified from joining persons in marriage.

It also contained a new provision declaring marriages which had been or should be had and solemnized among Quakers or Friends, in the manner and form used and practised in their societies, to be good and valid in law, and requiring the clerk or keeper of the records of the meeting at which such marriages should be had and solemnized to make returns thereof. St. 1786, c. 3, § 7. This section, Chief Justice Parsons tells us, was enacted in consequence of the general opinion of lawyers that such marriages were void before. *Milford v. Worcester*, 7 Mass. 56.

The St. of 1786 (after being amended in some unimportant particulars by the Sts. of 1795, c. 7, 1817, cc. 61, 141, and 1820, c. 55) was repealed by the St. of 1834, c. 177, which contained similar provisions, but allowed resident ministers to solemnize marriages throughout the Commonwealth, and therefore omitted as unnecessary the specific pro-

vision of former statutes as to the marriage of ministers, and also declared — thereby clearly implying that some solemnization beyond the mere contract of the parties was considered essential — that “all marriages, between persons who might lawfully enter into that relation, heretofore solemnized by any justice or minister, be and they hereby are confirmed and made valid in law, although such justice or minister may have exceeded his authority or jurisdiction.”

In the Rev. Sts. c. 75, the provisions of the previous statutes are substantially reënacted, and the following section [§ 24] is added: “No marriage, solemnized before any person professing to be a justice of the peace, or a minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, on account of any want of jurisdiction or authority in such supposed justice or minister, or on account of any omission or informality in the manner of entering the intention of marriage, or in the publication of the banns; provided, that the marriage be in other respects lawful, and be consummated with a full belief, on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.” Rev. Sts. c. 75, § 24.

The object of this section, as declared in the Report of the Commissioners who framed it, was to adopt the principle stated in *Milford v. Worcester*, that a marriage would be lawful, if solemnized before a justice or minister, although without publication of the banns and without the consent of parents or guardians; and to extend that principle so as to prevent marriages from being invalidated on account of some defect, not known or suspected by either party, in the ordination of the minister or the commission of the justice in whose presence the marriage ceremony was performed. That the Commissioners understood the presence of some person, being or believed to be a magistrate or minister, to be necessary to the validity of every marriage of persons other than Quakers in this Commonwealth, clearly appears by their concluding sentence: “The essence of the contract is the assent of the parties; and if this assent is formally and solemnly given in the presence of one who is acting as a justice or minister, and who is honestly believed to be qualified as such, it furnishes all the security against fraud and surprise, which the law was designed to provide for.”

The existing laws upon the subject are mostly contained in the Gen. Sts. c. 106; and the only modification since the Rev. Sts. that is worthy of notice is that by which, where the fact of marriage is required to be proved before any court, evidence of the admission of that fact by the defendant, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence, is made competent. Sts. 1840, c. 84; 1841, c. 20. Gen. Sts. c. 106, § 22. Evidence of the kind here mentioned is simply made competent, not controlling when the whole truth appears.

Under all changes in the form of the statutes it has always been assumed in this Commonwealth, and in the State of Maine, which was originally a part thereof, that (except in the single case of Quakers, or

Friends, whose marriages are made valid by a special provision limited to that sect, and, though not solemnized by any magistrate or minister, are witnessed, recorded, and returned by the principal officer of the meeting at which the ceremony is performed) a marriage which is shown not to have been solemnized before any third person, acting or believed by either of the parties to be acting as a magistrate or minister, is not lawful or valid for any purpose. *Medway v. Needham*, 16 Mass. 157, 159. *Commonwealth v. Spooner*, 1 Pick. 235. *Meyers v. Pope*, 110 Mass. 314, 316. *Thompson v. Thompson*, 114 Mass. 566, 567. St. 1879, c. 116. *Brunswick v. Litchfield*, 2 Greenl. 28. *Ligonia v. Buxton*, 2 Greenl. 102. *State v. Hodgskins*, 19 Maine, 155. *State v. Bowe*, 61 Maine, 171, 177. See also *Dunbarton v. Franklin*, 19 N.H. 257, 266; *Northfield v. Plymouth*, 20 Vt. 582, 591; *Goshen v. Stonington*, 4 Conn. 209, 219; *Bashaw v. State*, 1 Yerger, 177; *Dennison v. Dennison*, 35 Md. 361.

It is proper, however, to notice more particularly the Massachusetts cases, on which the defendant's counsel relied.

The case decided by the Superior Court of Judicature of the Province in 1758, and cited in Quincy's Reports, 29, note, appears by the record there referred to, to have been as follows: Flora, a negro woman, was indicted on the Prov. St. of 1696 (8 W. III.) c. 11, "to prevent the destroying and murdering of bastard children," which had this preamble: "Whereas many lewd women that have been delivered of bastard children, to avoid their shame and escape punishment, do secretly bury or conceal the death of their children, and after, if the child be found dead, the said women do allege that the said child was born dead, whereas it falleth out sometimes (though hardly it is to be proved) that the said child or children were murdered by the said women their lewd mothers, or by their assent or procurement," and which therefore enacted that any woman who should be delivered of a child "which, if it were born alive, should by law be a bastard," and endeavor to conceal the death thereof, whether it were born alive or not, should suffer death as in case of murder, unless she could prove that the child was born dead. 1 Prov. Laws, 255. Anc. Chart. 293. The indictment alleged, in the usual form of an indictment for murder, that the defendant threw her child alive into a vault and immerged it in the water and excrements therein, and thereby drowned and suffocated it. The jury, by special verdict, found "that the said Flora is and from her nativity has been a negro slave; that she was never married according to any of the forms prescribed by the laws of this land, but that the person supposed to be the father of the said child was also a slave, and had kept her company with her master's consent for above a year and a half before that she was delivered alone of the female child mentioned in the indictment, and thrust the same child into the vault and under the excrements and water, and that the same child was taken out dead therefrom, and that, by means of her so immerging the said child and concealing the death thereof, it cannot be known whether the said child was born dead or alive;" and the jury found the defendant

guilty or not guilty, according to the opinion of the court upon the question whether "the said female child, had it been born alive, would have been a bastard, within the meaning and design of" the statute on which the indictment was founded. "After mature advisement upon the said verdict, the court are of opinion that the said Flora is not guilty." Flora's case, Rec. 1758, fol. 295. We have no report of the grounds of that opinion; but it may well be that the court thought that so highly penal a statute, changing the ordinary rule as to burden of proof in criminal cases, should be strictly construed, and that the case was not within the evil which it was intended to prevent, as expressed in the preamble.

In *Parton v. Hervey*, 1 Gray, 119, it was decided, 1st, that the age of consent in this Commonwealth, as by the common law of England, was fourteen in males and twelve in females; and 2d, that the Prov. St. of 1695-6 (7 W. III.) c. 2, the Sts. of 1786, c. 3, and 1834, c. 177, and the Rev. Sts. c. 75, §§ 15, 19, prohibiting justices and ministers, under a penalty, from solemnizing marriages of males under twenty-one or of females under eighteen, without the consent of their parents or guardians, did not make void the marriage of a girl thirteen years old, solemnized by a justice or minister without such consent. The decision on the first point finds additional and conclusive support in the Prov. St. of 1694-5 (6 W. & M.), c. 5, § 5, which defined the age of consent to be in "the man fourteen years of age, the woman twelve." 1 Prov. Laws, 172. Anc. Chart. 278. 2 Dane Ab. 301. The decision on the second point was in exact accordance with the statement of Chief Justice Parsons in *Milford v. Worcester*, referred to in the Commissioners' Report on the Revised Statutes, as already mentioned, that "when a justice or minister shall solemnize a marriage between parties who may lawfully marry, although without publication of the banns of marriage, and without the consent of the parents or guardians, such marriage would unquestionably be lawful, although the officer would incur the penalty of fifty pounds for a breach of his duty." 7 Mass. 54, 55. The general statement of Mr. Justice Bigelow in the course of his discussion of this point — that, "in the absence of any provision declaring marriages, not celebrated in the prescribed manner, or between parties of certain ages, absolutely void, it is held that all marriages, regularly made according to the common law, are valid and binding, although had in violation of the specific regulations imposed by statute" — evidently had regard to the effect of specific regulations as to the publication of banns or the consent of parents, and not to the broader question, which was not before him, whether any presence of a third person was necessary. If the learned judge had intended to cast any doubt on the adjudication of that question in *Milford v. Worcester*, he would hardly have referred, as he did, to that case as supporting his statement. 1 Gray, 122.

In *Meyers v. Pope*, 110 Mass. 314, there was evidence that the parties went before a person whom they supposed to be a justice of the peace of the county, with the intent on the part of both to contract marriage

before him; that in his presence and hearing the man said that the woman was his wife; and that they afterwards cohabitated together, believing themselves to have been then and thereby lawfully married. The extent of the decision, as stated by Chief Justice Chapman, was that the provision of the Rev. Sts. c. 75, § 24, and the Gen. Sts. c. 106, § 20, already quoted, (by which the law as declared in *Milford v. Worcester*, has been so far modified as to make a marriage before a justice or minister, believed by either of the parties to be authorized, as valid as if he were in fact authorized to solemnize the marriage,) should by a liberal construction be held to include a case "where the parties go before a magistrate or minister, make a marriage contract in some form in his presence, in the belief that he sanctions and assents to it in his official capacity, and cohabit as husband and wife afterwards, believing that they are legally married, though the magistrate understands the matter differently, and does not intend to act officially in the matter." 110 Mass. 316.

The presence of a person officiating, or at least believed to be officiating, as a justice or minister being (except in the case of Quakers) clearly required, according to a long course of legislative action and of judicial opinion, to constitute a valid marriage in this Commonwealth, it would be superfluous to examine the English decisions, or the cases cited at the argument showing that a different rule prevails in some other parts of the Union. Whether it is wise and expedient so to change the law of Massachusetts as to allow an act, which so deeply affects the relations and rights of the contracting parties and their offspring, to become binding in law by the mere private contract of the parties, without going before any one as a magistrate or minister, is a matter for legislative, and not for judicial consideration.

In the case before us, it appearing from the undisputed facts that, in the ceremony performed by the defendant and the woman with whom he has since cohabited, no third person participated or was understood or expected to participate in any way, and no civil magistrate or minister of the gospel, nor any person believed to be such, was present, and neither party was a Friend, or Quaker, it was rightly ruled in the Superior Court that no lawful or valid marriage between the parties had taken place.

But it does not follow that the conviction was warranted by the evidence before the jury. *Milford v. Worcester*, 7 Mass. 57. *Sedgwick, J., in Mangué v. Mangué*, 1 Mass. 240, 242. To support an indictment against a man for adultery, it is sufficient to prove sexual connection between him and the wife of another man. *Commonwealth v. Elwells*, 2 Met. 190. To support an indictment for bigamy or polygamy, it is sufficient to prove that the defendant, being at the time lawfully married to one person, has married another. *Commonwealth v. Mash*, 7 Met. 472. *Reynolds v. United States*, 98 U.S. 145. But to support this indictment on the Gen. Sts. c. 165, § 6, it is necessary to prove not only that a man and a woman, "not being married to each other," "cohabited together," but that they so cohabited "lewdly and lascivi-



ously,"—implying an evil intent, which cannot be inferred from the mere fact (such as was proved at the trial) of cohabitation under an honest, though mistaken, belief that the parties were lawfully married to each other. *Commonwealth v. Hunt*, 4 Cush. 49. If there were evidence that the cohabitation was under such circumstances as to create a common scandal, or tend to corrupt the public morals, the case might be different. See *Commonwealth v. Calef*, 10 Mass. 153; *Grisham v. State*, 2 Yerger, 589; *State v. Moore*, 1 Swan, 136.

*Verdict set aside.*

## LEGISLATION UNDER THE COMMONWEALTH.

### CHAPTER 69 OF ACTS OF 1785.

#### AN ACT FOR REGULATING MARRIAGE AND DIVORCE.

SECTION 1. *BE it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same*, That no man or woman shall intermarry within the degrees hereafter named, that is to say:

No man shall marry his mother, grandmother, daughter, son's daughter, daughter's daughter, step-mother, grandfather's wife, son's wife, son's son's wife, daughter's son's wife, wife's mother, wife's grandmother, wife's daughter, wife's son's daughter, wife's daughter's daughter, sister, brother's daughter, sister's daughter, father's sister, mother's sister.

No woman shall marry her father, grandfather, son, son's son, daughter's son, step-father, grandmother's husband, daughter's husband, son's daughter's husband, daughter's daughter's husband, husband's father, husband's grandfather, husband's son, husband's son's son, husband's daughter's son, brother, brother's son, sister's son, father's brother, mother's brother.

And if any man or woman shall intermarry within the degrees aforesaid, every such marriage shall be deemed, taken and adjudged incestuous, and shall be null and void; and the issue of all such incestuous marriages shall be deemed, taken and adjudged illegitimate, and be subjected to all the legal disabilities of such issue.

SECT. 2. *And be it further enacted by the authority aforesaid*, That all marriages, where either of the parties shall have a former wife or husband living at the time of such marriage, shall be absolutely void, and no dower shall be assigned any widow in consequence of such marriage; and the issue thereof shall be deemed, taken and adjudged illegitimate, and be subject to all the legal disabilities of such issue.

## CHAPTER 3 OF ACTS OF 1786.

## AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That every Justice of the Peace, within the county where he resides, and every stated and ordained minister of the gospel in the town, district, parish or plantation, where he resides, shall be and hereby is authorized and empowered to solemnize marriages between persons that may lawfully enter into that relation, when one or both of the persons to be married, belong to, or are residents in the county where such justice resides, or one or both of them are inhabitants of, or residents in the town, district, parish, or plantation where such minister resides.

SECT. 2. *And be it further enacted by the authority aforesaid,* That when any settled and ordained minister of the gospel is himself to be married, it shall be lawful for any other such minister within the same county, to marry the said minister. And also, when any religious society shall be destitute of a settled and ordained minister of the gospel, in case there shall not be such a minister within the town, district or plantation in which such religious society is, it shall be lawful for any such minister, within the same county, to join any person of such town, district or plantation, in marriage: *Provided* such marriage be solemnized in the town, district or plantation where one of the parties to be married shall reside.

SECT. 3. *And be it further enacted by the authority aforesaid,* That all persons desiring to be joined in marriage shall have such their intentions published at three public religious meetings, on different days, at three days' distance exclusively at least from each other, in the town or district, wherein they respectively dwell, or shall have their intentions of marriage posted up by the clerk of such town or district, by the space of fourteen days, in some public place, within the same town or district, fairly written, and shall also produce to the justice or minister, who shall be desired to marry them, a certificate of such publishment, under the hand of the clerk of such town or district respectively; and also, that the intention of marriage hath been entered with him fourteen days, prior to the date of such certificate; and where a male, under twenty one years, or a female under eighteen years of age, is to be married, the consent of the parent, guardian or other person, whose immediate care and government such party is under, if within the Commonwealth, shall be first had to such marriage. And in case the parties or either of them live in a town, district or place where there shall be no clerk, then publishment shall be made in the town or district next adjoining, in manner aforesaid, and a certificate from the clerk of the same town or district, of such publishment, and of the entry of their intentions of marriage as aforesaid, shall be produced as aforesaid, previous to their marriage. *Provided,* That in regard to any plantation in the counties of Cumberland and Lincoln, where the parties, not under the respective ages aforesaid, shall have been inhabitants for the space of twelve months, and shall live twenty miles' distant from such next adjoining town or district, any justice or ordained minister belonging to this Commonwealth, may join them in marriage without such certificate.

SECT. 4. *And be it further enacted by the authority aforesaid,* That if, at any time, the bans of matrimony betwixt any persons shall be forbidden, and the reasons thereof assigned, in writing, by the person so forbidding the same, left with the town or district clerk, he shall forbear issuing a certificate as aforesaid, until the matter shall have been duly inquired into, and determined before two justices of the same county, *quorum unus*: *Provided*, the person forbidding the bans shall, within seven days after filing the reasons as aforesaid, apply unto two justices as aforesaid, and procure their determination thereon; unless the said justices shall certify unto the said clerk, that a further time is necessary for their determination on the reasons filed; in which case the clerk shall forbear issuing a certificate, until the time then certified to be necessary shall expire, unless the justices shall sooner determine; according to whose determination, the clerk shall govern himself herein; and if the said justices shall determine, that the reasons assigned by the person forbidding the said bans, were not supported by the laws of the Commonwealth, then the person so forbidding shall pay all the cost that may have arisen in consequence of such objection; and the said justices shall make up judgment and issue execution accordingly.

SECT. 5. *And be it further enacted by the authority aforesaid,* That if any person shall deface or pull down any publishment posted up, in writing, as aforesaid, before the expiration of the said fourteen days, he shall forfeit and pay the sum of twenty shillings, to the use of the town; and if unable to pay the said fine, may be set in the stocks for the space of one hour. And if any Justice of the Peace or minister shall, otherwise than is expressly allowed and authorized by this Act, join any persons in marriage, they shall severally forfeit and pay the sum of fifty pounds, two third parts thereof to and for the use of the county wherein the offence may be committed, and the residue to the prosecutor, to be sued for and recovered in the Court of Common Pleas, within the same county, by the treasurer thereof, who is hereby enjoined, upon due information thereof, to prosecute and sue for the said penalty, without delay, or by the parent, guardian or other person under whose immediate care and government either of the parties were at the time of such marriage; and every justice or minister, against whom such recovery shall be had, is hereby forbidden from joining persons in marriage forever after. And in case a person forbid as aforesaid, or any other person whatever, not authorized and empowered to solemnize marriages by this Act, shall join any persons in marriage, and be convicted thereof in the Supreme Judicial Court, upon presentment or indictment, he shall stand one hour in the pillory, and be subjected to pay a fine, at the discretion of the court, to the use of the Commonwealth, not exceeding one hundred pounds, nor less than eighty pounds.

SECT. 6. *And be it further enacted,* That every justice and minister shall make and keep a particular record of all marriages solemnized before them respectively; and in the month of April, yearly, and every year, shall make a return to the clerk of the town, district or plantation in which he lives, certifying the names (both Christian names and surnames) of all the persons who have been by them respectively joined together in marriage within the year then last past, if any such have been by them so joined together.

[And if it shall so happen, that any one or more of the said justices or ministers shall not have joined together in marriage any persons during the course of the year then last past, it shall be the duty of such justice or minister also to certify to the said town-clerk, in writing, under his hand, that he has not joined any persons in marriage within the course of the said year:] *Repealed 1795, ch. 7.*

And if any justice or minister shall neglect to make such return, within the month of April, annually, the clerk of the town, district or plantation, where such delinquent justice or minister lives, shall, without

delay, certify such neglect to the clerk of the Court of General Sessions of the Peace of the same county, who shall lay the same before the said court at their next session; and the person so neglecting shall be cited to appear before the said court, to answer for such neglect; and if no sufficient reason shall be assigned therefor, he shall be considered and adjudged disqualified for joining persons in marriage for a term of time, not exceeding ten years, at the discretion of the justices of the said court. And every town and district clerk shall duly and seasonably record all marriages, so certified to him, as aforesaid:

[And shall also return a list or copy thereof to the clerk of the Court of General Sessions of the Peace of the same county, some time in the month of May, yearly and every year, to be there recorded, upon penalty of forfeiting twenty shillings for each neglect: And it shall be the duty of each clerk of the sessions to prosecute for every such neglect, in the county to which he belongs. And every clerk of the sessions shall record all such returns of marriages at large in a book to be kept for that purpose, and no other, under the same penalty for each neglect.] *Repealed 1795, ch. 41, § 1.*

SECT. 7. *And be it further enacted*, That no person by this Act authorized to marry, shall join in marriage any white person with any negro, indian or mulatto, on penalty of the sum of fifty pounds, two third parts thereof to the use of the county wherein such offence shall be committed, and the residue to the prosecutor, to be recovered by the treasurer of the same county, in manner as aforesaid; and all such marriages shall be absolutely null and void.

SECT. 8. *And be it further enacted by the authority aforesaid*, That any marriages which have been or hereafter may be had and solemnized, among the people called Quakers, or Friends, in the manner and form used and practised in their societies, shall be good and valid in law, anything in this Act to the contrary notwithstanding: And the clerk, or keeper of the records of the meeting wherein such marriage shall be had and solemnized, shall once a year make a certificate, under his hand, of all marriages had and solemnized in the society, or meeting, to which he belongs, and shall deliver the same to the clerk of the Court of General Sessions of the Peace of the county wherein the marriages have been had and solemnized, under the penalty of twenty shillings for each neglect. All fines, not particularly appropriated, shall be to the use of the prosecutor. And all former laws relating to the solemnization of marriages, are hereby repealed.

This Act to be in force from and after the last day of December, one thousand seven hundred and eighty-six, and not sooner. [June 22, 1786.]

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#### CHAPTER 7 OF ACTS OF 1795.

AN ACT REPEALING A CERTAIN CLAUSE OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

WHEREAS in and by the Act, entitled, as aforesaid, among other things, the following clause is enacted, viz. "And if it shall so happen, that any one or more of the said justices or ministers shall not have joined together in marriage any person during the course of the year then last past, it shall be the duty of such justice or minister also to certify to the said town-clerk, in writing, under his hand, that he has not joined any persons in marriage within the course of the said year;" and a compliance with the said clause is found inconvenient:

*Be it therefore enacted by the Senate and House of Representatives in General Court Assembled, and by the authority of the same*, That the before recited clause be and it is hereby repealed. [June 15, 1795.]

## CHAPTER 41 OF ACTS OF 1795.

## FEES FOR MARRIAGES.

To the town-clerk for publishing the banns of matrimony, recording the same, giving a certificate of the publishment, and recording the marriage upon receiving the justice's or minister's certificate thereof, fifty cents, to be paid by the man published, on receiving a certificate of the publishment. And the town-clerk shall not in future be holden to return certificates of marriages to the clerks of the Courts of General Sessions of the Peace, nor clerks last mentioned to record the same. To every minister or Justice of the Peace, who shall lawfully solemnize a marriage, and certify the same, one dollar and twenty-five cents. To the town-clerk for recording births and deaths, eight cents each. For a certificate of a birth or death, ten cents. For a subpoena for one or more witnesses, ten cents.

## CHAPTER 69 OF ACTS OF 1795.

## AN ACT FOR RECORDING BIRTHS AND DEATHS BY THE CLERKS OF TOWNS AND DISTRICTS.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That it shall be the duty of every town-clerk and every district-clerk, within this Commonwealth, to record all births and deaths which shall happen within his town or district and come to his knowledge, together with the time of such birth or death, and the names of his or her parents, if known, for the fees allowed, by law, to be paid by his town or district.

SECT. 2. *And be it further-enacted,* That it shall be the duty of parents to give notice to the clerk of the town or district in which they dwell, of all the births and deaths of their children; and it shall be the duty of every householder to give notice of every birth and death which may happen in his house; and of the eldest person next of kin to give such notice of the death of his kindred; and it shall be the duty of the master or keeper of any alms-house, work-house or prison, and of the master or commander of any ship or vessel, to give notice of every birth and death which may happen in the house or vessel under his care or charge, to the clerk of the town or district in which such event shall happen: And in case any person, whose duty it shall be, by virtue of this Act, to give notice as aforesaid, shall neglect to perform the same for the space of six months after the birth or death shall happen, the person so neglecting shall pay a fine of one dollar, to be recovered, with costs of suit, on complaint before any Justice of the Peace for the same county, to the use of any inhabitant of the same town who shall prosecute for the same; from which judgment there shall be no appeal.

SECT. 3. *And be it further enacted,* That this Act shall be in force on and after the first day of September next; and that an Act passed *Anno Domini* one thousand six hundred and ninety-two, for registering births and deaths, shall be and hereby is repealed, on and after that day. [Feb. 26, 1796.]

## CHAPTER 61 OF ACTS OF 1817.

AN ACT EXPLANATORY OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

*BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That any marriage which has been, or which shall hereafter be solemnized by any minister or Justice of the Peace, agreeably to the provisions of the Act, entitled, "An Act for the orderly solemnization of Marriages," in any plantation, which at the time of passing said Act was included within the counties of Cumberland or Lincoln, shall be deemed and taken to be legal, to all intents and purposes, as if the said counties, or either of them, had not been divided. And every Justice of the Peace, or minister, who shall hereafter solemnize any such marriage, shall transmit a certificate thereof to the clerk of the Circuit Court of Common Pleas for the county in which said plantation is situated, to be recorded by said clerk, in a book to be by him kept for that purpose. [Jan. 27, 1818.]*

## CHAPTER 141 OF ACTS OF 1817.

AN ACT IN EXPLANATION OF AN ACT, ENTITLED, "AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES."

*BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That all marriages (between persons who may or might lawfully enter into that relation) which have been or may hereafter be solemnized by any stated ordained minister of the gospel, in the town, parish, district, or plantation, within or over which such minister, at the time, was, or may be settled, and where one of the parties resided, or shall reside, shall be, and be considered valid in law, notwithstanding such minister, at the time, shall reside, or may have resided without the limits of the town, district, parish or plantation, within or over which he is, or was so settled. And it shall be sufficient that the certificate of any marriage, so solemnized, shall be lodged with the clerk of the town, district or plantation, within or over which such minister is so settled. [Feb. 20, 1818.]*

## CHAPTER 55 OF ACTS OF 1820.

AN ACT IN FURTHER ADDITION TO THE ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, That every stated ordained minister of the gospel shall be, and hereby is authorized and empowered to solemnize marriages between persons that may lawfully enter into that relation, when one or both of the persons to be married belong to the parish or congregation of such minister, although such person or persons shall reside without the limits of the town, parish, or district in which such minister may be settled; and such marriages may be solemnized either within the town, parish, or district wherein such minister resides, or wherein such person or persons may reside.*

SECT. 2. *Be it further enacted, That whenever any persons, who may lawfully enter into the marriage relation, shall belong to, or be resident in a town or district, in which there shall be no stated ordained minister of the gospel, of the sect or denomination to which such persons, or*

either of them belong, it shall be lawful for any settled, ordained minister, of the sect or denomination to which such persons, or either of them belong, residing in any other town or district within this Commonwealth, to solemnize marriage between such persons, within the town or district where they, or either of them reside; the certificate of which marriage shall be filed with the clerk of the town or district where such marriage shall be solemnized; and the duties of ministers and town clerks, in relation to certificates of marriage, solemnized under the provisions of this Act, and the penalties for the neglect thereof, shall be the same as are provided in the Act, entitled "An Act for the orderly solemnization of marriages." [Feb. 12, 1821.]

## CHAPTER 177 OF ACTS OF 1834.

### AN ACT FOR THE ORDERLY SOLEMNIZATION OF MARRIAGES.

SECTION 1. *BE it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same,* That every justice of the peace within his jurisdiction, and every minister of the Gospel within the Commonwealth, who has been ordained according to the usage of his denomination, and who is resident therein, be, and they hereby are authorized and empowered to solemnize marriages between persons who may lawfully enter into that relation, when either of the persons to be married belongs to, or is resident within the jurisdiction of said justice or minister; but all such marriages shall be solemnized in the city, town, or district in which the person solemnizing the same may reside, or within the city, town, or district in which one or both of the persons to be married may reside.

SECT. 2. *BE it further enacted,* That all persons desiring to be joined in marriage, shall have their intentions of marriage published at three public religious meetings, on different days, at three days' distance at least from each other exclusively, in the city, town, or district wherein they respectively dwell, or shall have such their intentions of marriage posted up, by the clerk of such city, town or district wherein they respectively dwell, for the space of fourteen days in some public place, within the same city, town, or district, fairly written, and shall also produce to the justice or minister, who may be desired to marry them, a certificate of such publishment under the hand of the clerk of such city, town, or district respectively, and also that the intentions of marriage have been entered with him fourteen days prior to the date of such certificate; and when a male under twenty-one years, or a female under eighteen years of age, is to be married, the consent of the parent, guardian or other person under whose immediate care or government such party is, if within the Commonwealth, shall be first had to such marriage. And in case the parties or either of them, live in a town, district, or other place where there shall be no clerk, then publishment shall be made in manner aforesaid, in a city, town, or district next adjoining, and the certificate from the clerk of such adjoining city, town, or district, of such publishment, and of the entry of their intentions of marriage as aforesaid, previous to their marriage.

SECT. 3. *BE it further enacted,* That if, at any times, the bans of matrimony between any persons shall be forbidden, and the reasons thereof, assigned in writing by the person forbidding the same, be left with the city, town, or district clerk, he shall forbear issuing a certificate as aforesaid, until the matter shall have been duly inquired into and determined before two justices of the same county, quorum unus: *provided,* the person forbidding the bans, shall, within seven days after filing the reasons as aforesaid, apply unto two justices as aforesaid, and procure their determination thereon, unless the said justices shall certify unto the said clerk, that a further time is necessary for their determi-

nation on the reasons filed; in which case the clerk shall forbear issuing a certificate, until the time then certified to be necessary shall expire, unless the justices shall sooner determine, according to whose determination the clerk shall govern himself herein; and if the said justices shall determine that the reasons assigned by the person forbidding the said banns were not supported by the laws of the Commonwealth, then the person so forbidding shall pay all the cost that may have arisen in consequence of such objection, and the said justices shall make up judgment, and issue execution accordingly.

SECT. 4. *BE it further enacted*, That if any person shall deface or take down any publication in writing, posted up as aforesaid, before the expiration of the fourteen days, he shall, upon conviction thereof, forfeit and pay a sum not less than two, or more than twenty dollars, to the use of the person who shall prosecute therefor. And if any justice of the peace, or minister, shall, otherwise than is expressly allowed and authorized by this act, join any persons in marriage, they shall, upon conviction thereof, severally forfeit and pay a sum not less than fifty, nor more than one hundred dollars, one moiety thereof to the use of the county wherein the offence may be committed, and the other moiety to the use of the person who shall prosecute therefor; and in case any person whatever, not authorized and empowered to solemnize marriages by this act, shall join any persons in marriage, and be convicted thereof in any court of competent jurisdiction, upon presentment or indictment, he shall be imprisoned in the common jail, or confined to hard labor, for a term not exceeding six months, or pay a fine of not less than fifty, nor more than two hundred dollars, to the use of the Commonwealth, at the discretion of said court.

SECT. 5. *BE it further enacted*, That every justice and minister shall make and keep a particular record of all the marriages solemnized before them respectively; and, in the month of April annually, shall make a return to the clerk of the city, town, or district in which he resides, of a certificate containing the Christian and surnames, and places of residence, of all the persons joined in marriage, by them respectively, within the year then last past, and also the time when, and the name of the city, town, or district, in which such marriages were respectively solemnized; and when neither of the persons married belongs to, or is resident in the city, town, or district, in which such justice or minister resides, then such justice or minister shall also make a like return of a certificate to the clerk of the city, town, or district in which one or both of the persons married may reside, within thirty days from the solemnization of the same. And any justice or minister who shall neglect to make such returns, shall, upon conviction thereof, before any court of competent jurisdiction, in the county in which he resides, forfeit and pay for each neglect a sum of not less than twenty nor more than one hundred dollars, at the discretion of said court, one moiety thereof to the use of said county, and the other moiety to the use of the person who shall prosecute for the same; and every city, town, or district clerk shall duly and reasonably record all marriages so certified to him as aforesaid.

SECT. 6. *BE it further enacted*, That all marriages which have been or may be solemnized among the people called quakers or friends, in the manner and form used and practised in their societies, shall be good and valid in law, anything in this act to the contrary notwithstanding. And the clerk or keeper of the records of the meeting wherein such marriages shall be solemnized, shall, in the month of April, annually, make and deliver to the clerk of the city, town, or district in which such society usually meet and worship, a certificate of all marriages solemnized therein, during the year then last past, as in the fifth section of this act is provided, under the penalty of not less than twenty nor more than one hundred dollars for each neglect, to be recovered in the manner and to the uses as in said fifth section is provided.



SECT. 7. *BE it further enacted*, That all marriages between persons who might lawfully enter into that relation, heretofore solemnized by any justice or minister, be and they hereby are confirmed and made valid in law, although such justice or minister may have exceeded his authority or jurisdiction.

SECT. 8. *BE it further enacted*, That “an act for the orderly solemnization of marriages” (except the seventh section thereof,) passed June twenty-second, in the year of our Lord one thousand seven hundred and eighty-six; also “an act repealing a certain clause of an act for the orderly solemnization of marriages,” passed June fifteenth, in the year of our Lord one thousand seven hundred and ninety-five; also, “an act explanatory of an act for the orderly solemnization of marriages,” passed January twenty-seventh, in the year of our Lord one thousand eight hundred and eighteen; also an act in explanation of an act for the orderly solemnization of marriages, passed February twentieth, in the year of our Lord one thousand eight hundred and eighteen, and also “an act in further addition to the act for the orderly solemnization of marriages,” passed February twelfth, in the year of our Lord one thousand eight hundred and twenty-one, be, and they are hereby repealed: *provided, however*, that all marriages confirmed by, or solemnized in pursuance of the provisions of these acts, be ratified and confirmed.

SECT. 9. *BE it further enacted*, That no minister who has unintentionally violated the laws now in force, for the solemnization of marriages, shall be subjected to any penalty or punished for that cause.

SECT. 10. *BE it further enacted*, That the provisions of this act shall go into operation on the first day of May next. [Approved by the Governor, April 1, 1834.]

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## CHAPTER 15 OF THE REVISED STATUTES OF 1836.

### RECORD OF BIRTHS AND DEATHS. — NOTICE OF BIRTHS AND DEATHS.

SECT. 46. The town clerk shall keep a record of the births and deaths of all persons within his town, and coming to his knowledge; and he shall specify in such record the day of each birth and death, and the names of the parents of such persons, if known.

SECT. 47. Parents shall give notice to the clerk of their town of all the births and deaths of their children; and every householder shall give the like notice of every birth and death happening in his house; and the eldest person next of kin shall give such notice of the death of his kindred; and the keeper of any almshouse, workhouse, house of correction, prison or hospital, and the master or other commanding officer of any ship, shall give the like notice of every birth and death happening among the persons under his charge; and every person neglecting to give such notice, for the space of six months, after the birth or death shall have happened, shall forfeit to the use of the town a sum not exceeding five dollars.

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## CHAPTER 75 OF THE REVISED STATUTES OF 1836.

### FOR REGULATING MARRIAGES.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, sister, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all the cases, mentioned in the two preceding sections, in which the relationship is founded on a marriage, the prohibition shall continue in full force, notwithstanding the dissolution of such marriage by death, or by a divorce, unless the divorce be for a cause, which shows the marriage to have been originally unlawful or void.

SECT. 4. All marriages, contracted whilst either of the parties has a former wife or husband living, shall be void, unless the former marriage shall have been dissolved for some cause other than the adultery of the person contracting such second marriage.

SECT. 5. No white person shall intermarry with a negro, indian or mulatto; and no insane person or idiot shall be capable of contracting marriage.

SECT. 6. When any persons, resident in this state, shall undertake to contract a marriage, contrary to the preceding provisions of this chapter, and shall, in order to evade those provisions, and with an intention of returning to reside in this state, go into another state or country, and there have their marriage solemnized, and shall afterwards return and reside here, such marriage shall be deemed void in this state.

SECT. 7. All persons, intending to be joined in marriage, shall cause notice of their intention to be entered, fourteen days at least before their marriage, in the office of the clerk of the town in which they may respectively dwell (if within this state); and if there be no such clerk in the place of their residence, the like entry shall be made with the clerk of an adjoining town.

SECT. 8. The intention shall be published by the clerk, with whom the entry is made, either by posting up a written notice thereof, in some public place in the town of which he is the clerk, fourteen days at least before the marriage, or by making a public proclamation thereof, at three public religious meetings in the town, on different days; the said meetings to be not less than three days distant from each other, exclusive of the days of the publication.

SECT. 9. The clerk shall deliver to the parties a certificate, under his hand, specifying the time when notice of the intention of marriage was entered with him, and the time of the publication thereof; which certificate shall be delivered to the magistrate or minister, in whose presence the marriage is to be contracted, before he shall proceed to solemnize the same.

SECT. 10. After the intention of marriage is entered with the clerk, if any person shall forbid the banns, and shall assign his reasons therefor in writing, and leave the same with the clerk, the certificate shall not be issued, until the matter shall have been duly inquired into and determined, in the manner hereinafter mentioned; provided the person forbidding the banns shall apply to two justices of the peace and of the quorum, of the same county, and shall, within seven days after the filing of his reasons, procure their decision thereon, or produce to the clerk their certificate that a further time is necessary for the consideration thereof; in which case, the clerk shall withhold his certificate, until the expiration of such further time, unless the justices shall sooner make known their decision.

SECT. 11. The two justices, so applied to, shall proceed forthwith to give notice thereof to the persons who propose to be married, and after a full hearing of the parties, or of the person objecting to the marriage, if the others do not appear, the justices shall decide on the truth and sufficiency of the reasons assigned for forbidding the banns,

and shall certify their decision thereon to the clerk, with whom the intention of marriage was entered.

SECT. 12. If the said two justices shall certify that the objections to the marriage are true and sufficient, the clerk shall not issue any certificate of the publication of the banns; but if they shall certify that the objections are not proved, or are not sufficient, or if they shall not agree in a determination thereupon, the clerk shall forthwith issue his certificate, in the same manner as if no objection had been made thereto.

SECT. 13. If the said justices shall certify that the objections to the marriage are true and sufficient, the persons, who propose to be married, or either of them, may appeal from such decision to the court of common pleas, or the supreme judicial court, next to be held for the same county, and the determination of the court thereon shall be final in the case; and the clerk of the town shall issue, or withhold, his certificate of the publication of the banns, according to such final determination.

SECT. 14. If the objections, so made to any marriage, shall not be proved, and adjudged to be sufficient, the person making the same shall pay all the costs, that shall have been incurred on account thereof, to be taxed by the justices or the court, as the case may be, and execution therefor shall be issued accordingly.

SECT. 15. When a male, under the age of twenty-one years, or a female, under the age of eighteen years, is to be married, the magistrate or minister shall not proceed to solemnize the marriage, without the consent of the parent or guardian, having the custody of such minor, if there be any in the state competent to act.

SECT. 16. Marriages may be solemnized by any justice of the peace, in the county for which he is appointed, when either of the parties resides in the same county; and they may be solemnized throughout the state by any minister of the gospel, who has been ordained according to the usage of his denomination, and who resides within the state, and continues to preach the gospel and to perform the other functions of his office; but all such marriages shall be solemnized in the town, in which the person solemnizing them may reside, or in which one or both of the persons to be married may reside.

SECT. 17. Every justice and minister shall keep a record of all marriages solemnized before him, and in the month of April, annually, shall make a return, to the clerk of the town in which he resides, of a certificate, containing the christian and surnames, and places of residence, of all the persons who have been by him joined in marriage, within the year then last past, and also the time when, and the name of the town in which, such marriages were respectively solemnized; and when neither of the married persons belongs to or is resident in the town in which the justice or minister resides, then such justice or minister shall, within thirty days after such marriage, also return a like certificate to the clerk of the town in which one or both of the married persons may reside; and all marriages, so certified to the clerk, shall be forthwith recorded by him in a book to be kept for that purpose.

SECT. 18. Every justice of the peace and minister, who shall neglect to make such returns, shall, upon conviction thereof, forfeit for each neglect a sum, not less than twenty, nor more than one hundred dollars; one moiety thereof to the use of the county in which he resides, and the other moiety to the use of the person who shall prosecute therefor.

SECT. 19. If any justice of the peace or minister shall join any persons in marriage, contrary to the provisions of this chapter, he knowing that the marriage is not duly authorized, he shall, upon conviction thereof, forfeit a sum not less than fifty, nor more than one

hundred dollars, one moiety thereof to the use of the county where the offence is committed, and the other moiety to the use of the person who shall prosecute therefor.

SECT. 20. If any person shall undertake to join others in marriage, knowing that he is not lawfully authorized so to do, and shall be thereof convicted, upon indictment in any court of competent jurisdiction, he shall be imprisoned in the common jail, or confined to hard labor, for a term not exceeding six months, or shall pay a fine, not less than fifty, and not more than two hundred dollars.

SECT. 21. If any person shall wilfully deface or take down any written notice of the intention of marriage, posted up as before prescribed, within fourteen days after it is so posted up, he shall, upon conviction thereof, forfeit a sum not less than two, or more than twenty dollars, to the use of the person who shall prosecute therefor.

SECT. 22. The preceding regulations, so far as they relate to the manner of solemnizing marriages, shall not effect [*affect*] marriages among the people called friends or quakers, but such marriages may be solemnized, in the manner heretofore used and practised in their societies.

SECT. 23. The clerk or keeper of the records of the meeting, wherein any marriages among the said friends or quakers shall be solemnized, shall, in the month of April, annually, make and deliver to the clerk of the town in which such society usually meet and worship, a certificate, like that before prescribed to be returned by justices and ministers, of all marriages solemnized in the said meeting, within the year then last past, under the penalty of not less than twenty, nor more than one hundred dollars, for each neglect; which penalty shall be recovered in the manner, and to the uses, provided in the case of a like neglect by a justice or minister.

SECT. 24. No marriage, solemnized before any person professing to be a justice of the peace, or a minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, on account of any want of jurisdiction or authority in such supposed justice or minister, or on account of any omission or informality in the manner of entering the intention of marriage or in the publication of the banns; provided, that the marriage be in other respects lawful, and be consummated with a full belief, on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.

SECT. 25. The record of a marriage, made and kept as before prescribed, by a justice of the peace or minister, or by the clerk of any town, or a copy of any such record duly certified, shall be received, in all courts and places, as presumptive evidence of the fact of such marriage.

[NOTE.—By Chapter 146 it was provided that this revision was to take effect on and after the last day of April, 1836.]

## CHAPTER 122 OF THE REVISED STATUTES OF 1836.

## FEES FOR MARRIAGES.

SECT. 11. To the town clerk, for publishing the banns of matrimony, recording the same, giving a certificate thereof, and recording the marriage upon receiving the minister's or justice's certificate thereof, fifty cents, to be paid on delivering the certificate of publishing the banns :

To every minister or justice of the peace, who shall lawfully solemnize a marriage, and certify the same, one dollar and twenty-five cents.

## TOWN CLERK'S FEES.

SECT. 12. For recording births and deaths, eight cents each :

For a certificate of a birth or death, ten cents :

For copies of town records, and other documents, furnished to any person at his request, if containing less than one page, ten cents, and if containing more, at the rate of twelve cents a page.

## CHAPTER 84 OF ACTS OF 1840.

## AN ACT RELATING TO THE EVIDENCE OF MARRIAGE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

Whenever, on hearing of any application for divorce, the fact of marriage is required or offered to be proved, evidence of admission of said fact by the party against whom the process is instituted, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence, from which said fact may be inferred, shall be received as competent evidence for consideration, whether the marriage to be proved was contracted in this Commonwealth or elsewhere.

[Approved by the Governor, March 23, 1840.]

## CHAPTER 20 OF ACTS OF 1841.

## AN ACT IN ADDITION TO AN ACT RELATING TO THE EVIDENCE OF MARRIAGE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

The provisions of an act relating to the evidence of marriage, passed on the twenty-third day of March, in the year one thousand eight hundred and forty, are hereby extended to all cases where it shall become necessary to prove the fact of marriage, in any hearing before any court in this Commonwealth.

[Approved by the Governor, Feb. 16, 1841.]

## CHAPTER 95 OF ACTS OF 1842.

AN ACT RELATING TO THE REGISTRY AND RETURNS OF BIRTHS,  
MARRIAGES, AND DEATHS.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

SECTION 1. The clerks of the several towns and cities in the Commonwealth shall, annually, in the month of May, transmit to the Secretary of the Commonwealth a certified copy of their record of the births, marriages, and deaths of all persons within their respective towns and cities, which may come to their knowledge; shall state the number of births and marriages, and the number of deaths, with the name, sex, age, (and if an adult male, the occupation,) and the names of the diseases of which all persons have died, or are supposed to have died, together with the cause or causes of the death of all such deceased persons, so far as they may be able to obtain a knowledge of the same from physicans or others; and any clerk who shall neglect to make such return, shall be liable to a penalty of ten dollars, to be recovered for the use of any town or city where such neglect shall be proved to have existed.

SECT. 2. The Secretary of the Commonwealth shall prepare and furnish to the clerks of the several towns and cities in this Commonwealth, blank forms of returns, as hereinbefore specified, and shall accompany the same with such instructions and explanations as may be necessary and useful; and he shall receive said returns, and prepare therefrom such tabular results as will render them of practical utility, and shall make report thereof annually to the legislature, and generally shall do whatever may be required to carry into effect the objects of this act, and of the several provisions of the Revised Statutes not inconsistent with this act.

[Approved by the Governor, March 3, 1842.]

## CHAPTER 5 OF ACTS OF 1843.

AN ACT RELATING TO MARRIAGES BETWEEN INDIVIDUALS OF CERTAIN  
RACES.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

So much of the fifth section of the seventy-fifth chapter and of the first section of the seventy-sixth chapter of the Revised Statutes, as relates to marriages between white persons and negroes, indians and mulattoes, is hereby repealed.

[Approved by the Governor, Feb. 25, 1843.]

## CHAPTER 159 OF ACTS OF 1844.

AN ACT RELATING TO THE REGISTRY AND RETURNS OF BIRTHS,  
MARRIAGES, AND DEATHS.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

SECTION 1. The clerks of the several cities and towns in this Commonwealth shall, annually, in the month of June, transmit to the secretary of the Commonwealth a certified copy of their record of births, marriages, and deaths, which have occurred within their respective cities and towns during the year next preceding the first day of said month.

The births shall be numbered and recorded in the order in which they are received by the clerk. The record of births shall state in separate columns the date of the birth, the place of birth, the name of the child, (if it have any,) the sex of the child, name and surname of one or both of the parents, occupation of the father, residence of the parents, and the time when the record was made.

The marriages shall be numbered and recorded in the order in which they are received by the clerk. The record of marriages shall state in separate columns, the date of the marriage, the place of the marriage, the name, residence, and official station of the person by whom married, the names and surnames of the parties, the residence of each, the age of each, the condition of each, (whether single or widowed,) the occupation, names of the parents, and the time when the record was made.

The deaths shall be numbered and recorded in the order in which they are received by the clerk. The record of deaths shall state in separate columns the date of the death, the name and surname of the deceased, the sex, condition, (whether single or married,) age, occupation, place of death, place of birth, names of the parents, disease or causes of death, and the time when the record was made.

SECT. 2. The school committee of each city or town shall, annually, in the month of May, ascertain from actual inquiry or otherwise, all the births which have happened within such city or town, during the year next preceding the first day of said May, together with the facts concerning births required by the first section of this act, and shall make an accurate return thereof to the clerk of such city or town, on or before the last day of said May; and the said school committee, or other person authorized by them to make such returns, shall be entitled to receive from the treasury of such city or town, five cents for each and every birth so returned.

SECT. 3. Every justice, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers shall be solemnized, shall make a record of each marriage solemnized before him, together with all the facts relating to marriages required by the first section of this act; and each such justice, minister, clerk, or keeper shall, between the first and tenth days of each month, return a copy of the record for the month next preceding, to the clerk of the city or town in which the marriage was solemnized; and every person as aforesaid, who shall neglect to make the returns required by this section, shall be liable to the penalty provided in the eighteenth section of the seventy-fifth chapter of the Revised Statutes.

SECT. 4. Each sexton or other person, having the charge of any burial ground in this Commonwealth, shall, on or before the tenth day of each month, make returns of all the facts required by the first section of this act, connected with the death of any person whose burial he may have superintended during the month next preceding, to the clerk of

the city or town in which such deceased person resided at the time of his death. And such sexton, or other person, shall be entitled to receive from the treasury of the city or town to which the return is made, five cents for the return of each death made agreeably to the provisions of this act.

SECT. 5. The clerk of each city or town shall be entitled to receive from the treasury of such city or town, eight cents for the record of each birth and death: *provided* such clerk shall comply with this act in all respects.

SECT. 6. It shall be the duty of the clerks of the several cities and towns, to make such distribution of blank forms of returns as shall be designated by the secretary of the Commonwealth.

SECT. 7. The secretary of the Commonwealth shall prepare and furnish to the clerks of the several cities and towns in this Commonwealth, blank books of suitable quality and size, to be used as books of record, according to the provisions of this act, and also blank forms of returns, as herein before specified, and shall accompany the same with such instructions and explanations as may be necessary and useful; and he shall receive said returns, and prepare therefrom such tabular results, as will render them of practical utility, and shall make report thereof annually to the legislature, and generally shall do whatever may be required to carry into effect the provisions of this act.

SECT. 8. Any clerk who shall neglect to comply with the requirements of this act, shall be liable to a penalty of ten dollars, to be recovered for the use of any city or town where such neglect shall be proved to have existed.

SECT. 9. An act entitled "an act relating to the registry of births, marriages, and deaths," passed on the third day of March, in the year one thousand eight hundred and forty-two, is hereby repealed.

SECT. 10. This act shall take effect from and after its passage.

[Approved by the Governor, March 16, 1844.]

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## CHAPTER 222 OF ACTS OF 1845.

### AN ACT CONCERNING MARRIAGE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:*

The validity of any marriage in consequence of the incapacity of either of the parties thereto, to contract the same by reason of insanity or idiocy, shall not be called in question upon the trial of any collateral issue, before any of the courts of this Commonwealth, — but only in a process duly instituted, for the purpose of determining the validity thereof, during the life-time of both the parties thereto.

[Approved by the Governor, March 25, 1845.]

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## CHAPTER 202 OF ACTS OF 1849.<sup>1</sup>

### AN ACT RELATING TO THE REGISTRATION OF BIRTHS, MARRIAGES, AND DEATHS.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:*

SECTION 1. Town and city clerks are hereby authorized and required to obtain, record, and index the information concerning births, mar-

<sup>1</sup> Chapter 197 of Acts of 1846 relates to "Marriage and Divorce" but does not refer to the recording of marriages, nor the issuing of marriage licenses. — W. H. W.



riages, and deaths, now required by law. Towns and cities, containing more than ten thousand inhabitants, may choose a person, other than the town or city clerk, to be town or city registrar, to perform this duty instead of the town or city clerk; and said registrar shall take an oath faithfully to perform the duties of the office.

SECT. 2. The fees of the clerk and registrar, for obtaining, recording, and indexing the information required by this act, shall be as follows: For each birth, twenty cents; for each intention of marriage, including the certificate to the parties, fifty cents; for each marriage solemnized, ten cents; for each death, five cents; and the undertaker shall be allowed ten cents for information concerning each death which he returns to the clerk or registrar; said fees for births, deaths, and marriages solemnized, shall be paid by the town; and for intentions of marriage, by the parties having such intentions; *provided, however*, that the aggregate compensation, allowed to any clerk or registrar, may be limited by any town or city containing over ten thousand inhabitants, but, in no case, so as to prevent the full execution of this act.

SECT. 3. Any undertaker, or other person, having the superintendence of the burial of any deceased person, who shall neglect or refuse to obtain and return the information required by this act, concerning each person deceased, whose burial shall come under his superintendence, shall be liable to a penalty not exceeding twenty dollars for each neglect, and, if an undertaker, to be deprived of his office. And every clerk or registrar, who wilfully neglects or refuses to perform the duties herein prescribed, shall be liable to a penalty of not less than twenty, nor more than one hundred dollars, for each neglect or refusal. All penalties and forfeitures, under this act, may be recovered by any person who shall sue for the same, one-half thereof to the use of said complainant, and the other half to the use of the town or city in which the forfeiture shall have been incurred.

SECT. 4. The returns required to be made on the first day of February, in the year one thousand eight hundred and fifty, shall include the births, deaths, and marriages, from the first day of May, in the year one thousand eight hundred and forty-eight, to said day of return.

SECT. 5. Copies of records, in the several towns and cities, of the births, marriages, and deaths, which occurred during the next preceding year, ending December thirty-first, shall be returned to the Secretary of State, annually, on or before the first day of February. The blank forms of said returns shall be printed on paper of uniform size; and those for each year, when filled out and returned to the office of the Secretary of State, shall be bound together, in one or more volumes, and shall be furnished with an index. Blank books for indexes to the town registrars, [*sic*] shall be prepared by the Secretary of State, and furnished to the several towns and cities at the expense of the Commonwealth.

SECT. 6. All parts of acts inconsistent with the provisions of this act are hereby repealed.

[Approved by the Governor, May 2, 1849.]

## CHAPTER 121 OF ACTS OF 1850.

### AN ACT RELATING TO BANNS OF MARRIAGE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:*

SECTION 1. All persons intending to be joined in marriage shall cause notice of their intention to be entered before their marriage, in the office of the clerk, registrar, or other officer appointed for such pur-

pose, of the city or town in which they may respectively dwell, (if within the State;) and if there be no such clerk in the place of their residence, the like entry shall be made with the clerk of an adjoining town.

SECT. 2. The clerk shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, which certificate shall be delivered to the minister or magistrate, in whose presence the marriage is to be contracted, before he shall proceed to solemnize the same.

SECT. 3. Whenever parties living in this Commonwealth shall go out of it for the purpose of having a marriage solemnized between them in another state, and a marriage shall be so solemnized, and they shall return to dwell here, they are hereby required to file a certificate or declaration of their marriage, including the facts concerning marriages now required by law, with the clerk or registrar of the town or city where either of them lived at the time, within seven days after their return, under a penalty of ten dollars, to be recovered in the manner and to the uses specified in the third section of the "act relating to the registration of births, marriages, and deaths," passed on the second day of May, in the year eighteen hundred and forty-nine.

SECT. 4. The fee of the clerk or registrar, for making the record of such marriage, shall be fifty cents, to be paid by the said parties.

SECT. 5. So much of the seventy-fifth chapter of the Revised Statutes as is inconsistent with this act, is hereby repealed; *provided, nevertheless*, that nothing herein contained shall be so construed as to modify or alter the provisions of the twenty-second section of the said seventy-fifth chapter, which relates to marriages among the people called Friends or Quakers, but the same shall remain in full force.

[Approved by the Governor, March 28, 1850.]

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#### CHAPTER 335 OF ACTS OF 1853.

AN ACT IN ADDITION TO AN ACT RELATING TO BANNS OF MARRIAGE.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows:*

SECTION 1. No clerk or registrar of any city or town shall issue any certificate of intention of marriage to any male person under the age of twenty-one years, or to any female person under the age of eighteen years, except it be upon the application of the parent, master, or guardian of such person, or with their consent in writing expressed, under a penalty not exceeding one hundred dollars, to be recovered by indictment, to the use of the commonwealth, in any court proper to try the same: *provided*, that if there be no parent, master, or guardian, in the state, competent to act, a certificate may be issued without the application or written consent aforesaid.

SECT. 2. The clerk or registrar of every city or town may require of any person who shall apply for a certificate of intention of marriage, an affidavit, sworn to before some justice of the peace for the county where such application is made, setting forth his or her age, and for the purposes of this act, such affidavit shall be proof of the age of the person to whom such a certificate shall be given.

[Approved by the Governor, May 12, 1853.]

## CHAPTER 366 OF ACTS OF 1855.

AN ACT RELATING TO THE REGISTRATION OF BIRTHS, MARRIAGES,  
AND DEATHS, IN THE STATE ALMSHOUSES.

*Be it enacted by the Senate and House of Representatives, in General Court assembled, and by the authority of the same, as follows :*

The superintendents of the State almshouses located at Monson, Tewksbury, and Bridgewater, are hereby authorized and required to make record of all the births and deaths which occur in the institutions under their care, and make returns of the same to the secretary of State, annually, as all town and city clerks are required to do by the act to which this is an act in addition ; and the town clerks of Monson, Tewksbury, and Bridgewater are hereby exempted from all duties herein required of the superintendents of the above named institutions.

[Approved by the Governor, May 17, 1855.]

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## CHAPTER 34 OF ACTS OF 1857.

AN ACT IN ADDITION TO AN ACT RELATING TO BANNS OF MARRIAGE.

*Be it enacted, etc., as follows :*

If any person, applying to any clerk or registrar of any city or town for a certificate of intention of marriage, shall wilfully practise any deception, by making any false statement in relation to the age or residence of either of the parties intending marriage, or in relation to the parent, master, or guardian of either of the said parties, such person shall be subject to a penalty of not more than two hundred dollars, to be recovered by indictment, to the use of the Commonwealth, in any court competent to try the same.

[Approved March 28, 1857.]

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## CHAPTER 195 OF ACTS OF 1860.

AN ACT CONCERNING FRAUDULENT NOTICES OF BIRTHS, MARRIAGES,  
AND DEATHS.

*Be it enacted, etc., as follows :*

Any person who shall wilfully send to the publishers of any newspaper, for the purpose of publication, a fraudulent notice of the birth of a child, or of the marriage of any parties, or of the death of any person, shall, upon conviction thereof, be punished by a fine not exceeding one hundred dollars.

[Approved April 4, 1860.]

## GENERAL STATUTES,

*To take effect June 1, 1860.*

## CHAPTER 21.

## OF THE REGISTRY AND RETURNS OF BIRTHS, MARRIAGES, AND DEATHS.

SECTION 1. The clerk of each city and town shall receive or obtain, and record and index, the following facts concerning the births, marriages, and deaths, therein, separately numbering and recording the same in the order in which he receives them, designating in separate columns:

In the record of births, the date of the birth, the place of birth, the name of the child, (if it have any,) the sex and color of the child, the names and the places of birth of the parents, the occupation of the father, the residence of the parents, and the date of the record;

In the record of marriages, the date of the marriage, the place of marriage, the name, residence, and official station of the person by whom married, the names and the places of birth of the parties, the residence of each, the age and color of each, the condition of each, (whether single or widowed,) the occupation, the names of the parents, and the date of the record;

In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition, (whether single, widowed, or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of the parents, the disease or cause of death, the place of burial, and the date of the record.

SECT. 2. Parents shall give notice to the clerk of their city or town of the births and deaths of their children; every householder shall give like notice of every birth and death happening in his house; the eldest person next of kin shall give such notice of the death of his kindred; the keeper of a workhouse, house of correction, prison, hospital, or almshouse, except the state almshouses at Tewksbury, Bridgewater, and Monson, and the master or other commanding officer of any ship shall give like notice of every birth and death happening among the persons under his charge. Whoever neglects to give such notice for the space of six months after a birth or death, shall forfeit a sum not exceeding five dollars.

SECT. 3. Any physician having attended a person during his last illness, shall, when requested within fifteen days after the decease of such person, forthwith furnish for registration a certificate of the duration of the last sickness, the disease of which the person died, and the date of his decease, as nearly as he can state the same. If any physician refuses or neglects to make such certificate, he shall forfeit and pay the sum of ten dollars to the use of the town in which he resides.

SECT. 4. Every sexton, undertaker, or other person having charge of a burial-ground, or the superintendent of burials having charge of the obsequies or funeral rites preliminary to the interment of a human body, shall forthwith obtain and return to the clerk of the city or town in which the deceased resided or the death occurred, the facts required by this chapter to be recorded by said officer concerning the deceased, and the person making such return shall receive from his city or town the fee of ten cents therefor.

The clerk, upon recording such facts, shall forthwith give to the person making such return, a certificate that such return has been made, which certificate such person shall deliver to the person having charge of the interment, if other than himself, before the burial when practicable, otherwise within seven days thereafter. When a burial takes place and no certificate is delivered as aforesaid, the sexton, undertaker, or other person having charge of the interment, shall forthwith give notice thereof to the clerk under penalty of twenty dollars.

SECT. 5. The clerk of each city and town shall annually on or before the first day of February, transmit to the secretary of the commonwealth, certified copies of the records of the births, marriages, and deaths, which have occurred therein during the year ending on the last day of the preceding December.

SECT. 6. The record of the town clerk relative to any birth, marriage, or death, shall be prima facie evidence, in legal proceedings, of the facts recorded. The certificate signed by the town clerk for the time being shall be admissible as evidence of any such record.

SECT. 7. The clerk shall receive from his city or town for obtaining, recording, indexing, and returning to the secretary of the commonwealth, the facts in relation to a birth, twenty cents; a marriage, ten cents; a death, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry, as the same shall be certified by the secretary of the Commonwealth; but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk. He shall forfeit a sum not less than twenty nor more than one hundred dollars for each refusal or neglect to perform any duty required of him by this chapter.

SECT. 8. The superintendents of the state almshouses at Tewksbury, Bridgewater, and Monson, shall obtain, record, and make return of, the facts in relation to the births and deaths which occur in their respective institutions, in like manner as is required of town clerks. The clerks of said towns shall, in relation to the births and deaths of persons in said almshouses, be exempt from the duties otherwise required of them by this chapter.

SECT. 9. The secretary shall at the expense of the Commonwealth prepare and furnish to the clerks of the several cities and towns, and to the superintendents of the state almshouses, blank books of suitable quality and size to be used as books of record under this chapter, blank books for indexes thereto, and blank forms for returns, on paper of uniform size; and shall accompany the same with such instructions and explanations as may be necessary and useful. City and town clerks shall make such distribution of blank forms of returns furnished by the secretary as he shall direct.

SECT. 10. The secretary shall cause the returns received by him for each year to be bound together in one or more volumes with indexes thereto. He shall prepare from the returns such tabular results as will render them of practical utility, make report thereof annually to the legislature, and do all other acts necessary to carry into effect the provisions of this chapter.

SECT. 11. Any city or town containing more than ten thousand inhabitants, may choose a person other than the clerk to be registrar, who shall be sworn, and to whom all the provisions of this chapter concerning clerks shall apply. The returns and notices required to be made and given to clerks shall be made and given to such registrar under like penalties.

SECT. 12. The secretary of this Commonwealth shall prosecute, by an action of tort, in the name of the Commonwealth, for the recovery of any penalty or forfeiture imposed by this [chapter] [act].

SECT. 13. Any city or town may make rules and regulations to enforce the provisions of this chapter, or to secure a more perfect registration of births, marriages, and deaths, therein.

## GENERAL STATUTES OF 1860, CHAPTER 29.

## KEEPING AND CUSTODY OF RECORDS.

SECT. 9. Registers of deeds, registers of courts, and the registers and clerks of courts, cities, and towns, shall keep all records and documents belonging to their offices in their sole custody, and shall in no case, except upon summons in due form of law, or when the temporary removal of records and documents in their custody is necessary or convenient for the transaction of the business of the courts or the performance of the duties of their respective offices, cause or permit any record or document to be removed or taken away.

SECT. 10. Under the direction of the officers having the custody of the county, city, and town records and files, the same shall be open for public inspection and examination, and any person may take copies thereof. And the several clerks and registers shall, on payment of a reasonable fee therefor, compare and certify, in the manner herein mentioned, all transcripts properly and correctly made for any county, city, or town, in pursuance of the provisions of this chapter.

## GENERAL STATUTES OF 1860, CHAPTER 106.

## OF MARRIAGE.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, sister, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, brother, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all cases mentioned in the two preceding sections in which the relationship is founded on marriage, the prohibition shall continue notwithstanding the dissolution of such marriage by death or divorce, unless the divorce is for a cause which shows the marriage to have been originally unlawful or void.

SECT. 4. All marriages contracted while either of the parties has a former wife or husband living, except as is provided in chapter one hundred and seven, shall be void.

SECT. 5. No insane person or idiot shall be capable of contracting marriage.

SECT. 6. When persons resident in this State, in order to evade the preceding provisions and with an intention of returning to reside in this state, go into another state or country and there have their marriage solemnized, and afterwards return and reside here, the marriage shall be deemed void in this state.

SECT. 7. Persons intending to be joined in marriage shall before their marriage cause notice thereof to be entered in the office of the clerk or registrar of the city or town in which they respectively dwell, if within the state. If there is no such clerk or registrar in the place of their residence, the entry shall be made in an adjoining city or town.

SECT. 8. The clerk or registrar shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, together with all facts in relation to the

marriage required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized. Such certificate shall be delivered to the minister or magistrate in whose presence the marriage is to be contracted, before he proceeds to solemnize the same.

SECT. 9. If a clerk or registrar issues such certificate to a male under the age of twenty-one years, or a female under the age of eighteen years, having reasonable cause to suppose the person to be under such age, except upon the application or consent in writing of the parent, master, or guardian, of such person, he shall forfeit a sum not exceeding one hundred dollars; but if there is no parent, master, or guardian, in this state competent to act, a certificate may be issued without such application or consent.

SECT. 10. The clerk or registrar may require of any person applying for such certificate, an affidavit sworn to before a justice of the peace for the county where the application is made, setting forth the age of the parties; which affidavit shall be sufficient proof of age to authorize the issuing of the certificate.

SECT. 11. Whoever applying for such certificate wilfully makes a false statement in relation to the age or residence, parent, master, or guardian, of either of the parties intending marriage, shall forfeit a sum not exceeding two hundred dollars.

SECT. 12. When a marriage is solemnized in another state between parties living in this state, and they return to dwell here, they shall within seven days after their return file with the clerk or registrar of the city or town where either of them lived at the time, a certificate or declaration of their marriage, including the facts concerning marriages required by law, and for every neglect they shall forfeit ten dollars.

SECT. 13. No magistrate or minister shall solemnize a marriage, having reasonable cause to suppose either of the parties to be under the age mentioned in section nine, without the consent of the parent or guardian having the custody of the minor, if there is any in the state competent to act.

SECT. 14. Marriages may be solemnized by a justice of the peace in the county for which he is appointed, when either of the parties resides in the same county; and throughout the state by any minister of the gospel ordained according to the usage of his denomination, who resides within the state and continues to perform the functions of his office; but all marriages shall be solemnized in the city or town in which the person solemnizing them resides, or in which one or both of the persons to be married reside.

SECT. 15. Marriages among the people called Friends or Quakers may be solemnized in the manner heretofore used and practised in their societies.

SECT. 16. Every justice of the peace, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers are solemnized, shall make a record of each marriage solemnized before him, together with all facts relating to the marriage required by law to be recorded. He shall also between the first and tenth days of each month return a copy of the record for the month next preceding, to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when neither of the parties to a marriage resides in the city or town in which the marriage is solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which one or both of said parties reside. All marriages so returned shall be recorded by the clerk or registrar.

SECT. 17. Every person neglecting to make the returns required by the preceding section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 18. A justice of the peace or minister who joins persons in

marriage contrary to the provisions of this chapter, knowing that the marriage is not duly authorized, shall forfeit not less than fifty nor more than one hundred dollars.

SECT. 19. Whoever undertakes to join persons in marriage knowing that he is not authorized so to do, shall be imprisoned in the jail or confined to hard labor for a term not exceeding six months, or pay a fine of not less than fifty nor more than two hundred dollars.

SECT. 20. No marriage solemnized before a person professing to be a justice of the peace or minister of the gospel, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected, by want of jurisdiction or authority in such person, or by an omission or informality in the manner of entering the intention of marriage, if the marriage is in other respects lawful, and is consummated with a full belief on the part of the persons so married, or either of them, that they have been lawfully joined in marriage.

SECT. 21. The record of a marriage, made and kept as prescribed by law by the person before whom the marriage is solemnized, or by the clerk or registrar of any city or town, or a copy of such record duly certified, shall be received in all courts and places as presumptive evidence of such marriage.

SECT. 22. When the fact of marriage is required or offered to be proved before any court, evidence of the admission of such fact by the party against whom the process is instituted, or of general repute, or of cohabitation as married persons, or any other circumstantial or presumptive evidence from which the fact may be inferred, shall be competent.

SECT. 23. Marriages solemnized in a foreign country by a consul or diplomatic agent of the United States shall be valid in this State; and a copy of the record of a certificate from such consul or agent shall be presumptive evidence of such marriage.

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## GENERAL STATUTES OF 1860, CHAPTER 157.

### TOWN CLERKS.

SECT. 9. For entering notice of an intention of marriage and issuing the certificate thereof, and for entering the certificate of marriage filed by persons married out of the State, fifty cents, to be paid by the parties:

For a certificate of a birth or death, ten cents:

For copies of town records and other documents furnished to any person at his request, if containing less than one page, ten cents, and if more, at the rate of twelve cents a page.

### MINISTERS, ETC., FOR MARRIAGES.

SECT. 10. For lawfully solemnizing and certifying a marriage by a minister or justice of the peace, one dollar and twenty-five cents.

SECT. 15. The word "page" when used as the measure of computation, shall mean two hundred and twenty-four words.

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## CHAPTER 96 OF ACTS OF 1865.

### AN ACT RELATING TO THE REGISTRY AND RETURN OF BIRTHS.

*Be it enacted, etc., as follows:*

SECTION 1. It shall be the duty of every physician and midwife in the several cities and towns in this Commonwealth, on or before the tenth day of each month, to forward to the clerk of each city and town



a correct list of the births of all children born therein during the month next preceding, at which such physician or midwife was present; stating therein, as nearly as practicable, the place and date of each birth, the name, sex, and color of the child, the names, places of birth, and residence of the parents, and the occupation of the father.

SECT. 2. For every certificate of a birth, the physician or midwife shall receive twenty-five cents from such city or town; and any physician or midwife neglecting to forward such list for six months after it is due, shall forfeit a sum not exceeding five dollars, to be recovered as provided in the twelfth section of the twenty-first chapter of the General Statutes.

SECT. 3. This act shall take effect upon its passage.

*Approved March 24, 1865.*

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#### CHAPTER 138 OF ACTS OF 1866.

AN ACT CONCERNING THE REGISTRY AND RETURN OF MARRIAGES, BIRTHS, AND DEATHS.

*Be it enacted, etc., as follows:*

SECTION 1. The clerk of each city and town except in such cities and towns as choose a registrar, under the eleventh section of the twenty-first chapter of the General Statutes, in which cases the provisions of this act shall apply to the registrar, for receiving or obtaining, recording, indexing and returning the facts relating to marriages, births and deaths occurring therein, shall be entitled to receive therefrom the sums following, viz.: for each marriage, fifteen cents; for each birth, thirty cents; for each death returned to him by the persons specified in sections two, three and four of chapter twenty-one of the General Statutes, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry; for each death not so returned, but by him obtained and recorded, twenty cents.

SECT. 2. Chapter ninety-six of the acts of the year eighteen hundred and sixty-five, and so much of section seven of the twenty-first chapter of the General Statutes as is inconsistent herewith, are hereby repealed.

SECT. 3. This act shall take effect upon its passage.

*Approved April 7, 1866.*

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#### CHAPTER 58 OF ACTS OF 1867.

AN ACT RELATING TO THE MARRIAGE OF NON-RESIDENT PARTIES.

*Be it enacted, etc., as follows:*

SECTION 1. Persons living without the Commonwealth and intending to be joined in marriage within the Commonwealth, shall, before their marriage, cause notice of their intention to be entered in the office of the clerk or registrar of the city or town in which they propose to have the marriage solemnized; and no marriage between such parties shall be solemnized until they shall have delivered to the justice of the peace, or minister, in whose presence the marriage is to be contracted, a certificate from such clerk or registrar, specifying the time when notice of the intention of marriage was entered with him, together with all the facts in relation to the marriage required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized.

SECT. 2. Marriages may be solemnized by a justice of the peace in the county for which he is appointed.

SECT. 3. A justice of the peace or minister who joins persons in marriage contrary to the provisions of this act shall forfeit not less than fifty nor more than one hundred dollars.

*Approved March 11, 1867.*

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CHAPTER 248 OF ACTS OF 1867.

AN ACT IN RELATION TO MARRIAGE CONTRACTS.

*Be it enacted, etc., as follows :*

SECTION 1. No marriage contract heretofore made between parties, both of whom are now living, or which may be hereafter made, shall be invalid as between the parties thereto and their heirs and personal representatives by reason of the failure to record the same as required by section twenty-eight of chapter one hundred and eight of the General Statutes.

SECT. 2. This act shall take effect upon its passage.

*Approved May 18, 1867.*

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CHAPTER 145 OF ACTS OF 1873.

AN ACT FIXING THE FEES OF CLERKS AND REGISTRARS FOR THE REGISTRY AND RETURN OF BIRTHS.

*Be it enacted, etc., as follows :*

SECTION 1. The clerk or registrar of a city or town shall receive the sum of fifty cents for receiving or obtaining, recording, indexing and returning the facts relating to each birth; but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk or registrar.

SECT. 2. This act shall take effect upon its passage.

*Approved April 2, 1873.*

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CHAPTER 202 OF ACTS OF 1873.

AN ACT RELATING TO THE FEES OF SEXTONS AND OTHERS.

*Be it enacted, etc., as follows :*

SECTION 1. Section four of chapter twenty-one of the General Statutes is amended by striking out the word "ten" after the words "fee of," and inserting instead thereof the word "twenty-five."

SECT. 2. This act shall take effect upon its passage.

*Approved April 16, 1873.*

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CHAPTER 341 OF ACTS OF 1873.

AN ACT CONCERNING FEES OF TOWN CLERKS FOR OBTAINING AND RECORDING THE FACTS RELATING TO DEATHS.

*Be it enacted, etc., as follows :*

Chapter one hundred and thirty-eight of the acts of the year eighteen hundred and sixty-six is amended by striking out the words "twenty cents" at the close of section one, and substituting therefor the words "thirty-five cents."

*Approved June 6, 1873.*

## CHAPTER 21 OF ACTS OF 1875.

AN ACT TO AMEND SECTION FIVE OF CHAPTER TWENTY-ONE OF THE GENERAL STATUTES, IN RELATION TO THE REGISTRY AND RETURNS OF BIRTHS, MARRIAGES AND DEATHS.

*Be it enacted, etc., as follows :*

SECTION 1. Section five of chapter twenty-one, of the General Statutes, is hereby amended by striking out the word "February" in the second line of said section and inserting in place thereof the word "March."

SECT. 2. This act shall take effect upon its passage.

*Approved February 19, 1875.*

## CHAPTER 174 OF ACTS OF 1878.

AN ACT TO PROVIDE FOR THE MORE ACCURATE REGISTRATION OF VITAL STATISTICS.

*Be it enacted, etc., as follows :*

SECTION 1. No human body shall be buried, or removed from any city or town, until a proper certificate has been given by the clerk or local registrar of statistics to the undertaker or sexton, or person performing the burial, or removing the body. This certificate shall state that the facts required by chapter twenty-one of the General Statutes have been returned and recorded; and no clerk or local registrar shall give such certificate or burial permit until the certificate of the cause of death has been obtained from the physician, if any, in attendance at the last sickness of the deceased, and placed in the hands of said clerk or local registrar: *provided*, that in those cities and towns where local boards of health have been established, the certificate of the cause of death shall be approved by such board before a permit to bury is given by the registrar or clerk. Upon application, the chairman of the local board of health or any physician employed by any city or town for such purpose, shall sign the certificate of the cause of death to the best of his knowledge and belief, if there has been no physician in attendance. He shall also sign such certificate, upon application, in case of death by dangerous contagious disease, or in any other event when the certificate of the attending physician cannot for good and sufficient reasons be early enough obtained. In case of death by violence, the medical examiner attending shall furnish the requisite medical certificate. Any person violating the provisions of this section shall be punished by a fine not exceeding twenty-five dollars.

SECT. 2. This act shall take effect on the first day of May in the year eighteen hundred and seventy-eight; and all acts and parts of acts inconsistent herewith are hereby repealed.

*Approved April 23, 1878.*

## CHAPTER 7 OF ACTS AND RESOLVES OF 1879.

RESOLVE RELATING TO THE TRANSFER OF CERTAIN RECORD OF MARRIAGES FOR THE COUNTY OF SUFFOLK FROM THE YEAR SEVENTEEN HUNDRED AND SIXTEEN TO THE YEAR SEVENTEEN HUNDRED AND THIRTY-ONE.

*Resolved*, That the clerk of the supreme judicial court for the county of Suffolk transfer to the city registrar of the city of Boston, the volume

containing the record of marriages in Suffolk county from the year seventeen hundred and sixteen to the year seventeen hundred and thirty-one inclusive.

*Approved February 19, 1879.*

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## CHAPTER 116 OF ACTS OF 1879.

### AN ACT IN RELATION TO RETURNS OF MARRIAGES.

*Be it enacted, etc., as follows :*

SECTION 1. Every justice of the peace, minister, and clerk, or keeper of the records of the meeting wherein any marriages among the Friends or Quakers are solemnized, shall make a record of each marriage solemnized before him, together with all facts relating to the marriage required by law to be recorded. He shall also between the first and tenth days of each month return a copy of the record for the month next preceding, to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when one or both of the parties to a marriage resides in a city or town other than that in which the marriage is solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which either party resides, and to both cities or towns when the parties reside in different places. All marriages so returned shall be recorded by the clerk or registrar.

SECT. 2. Every person neglecting to make the returns required by the preceding section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 3. Sections sixteen and seventeen of chapter one hundred and six of the General Statutes are hereby repealed.

*Approved March 13, 1879.*

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## CHAPTER 33 OF ACTS OF 1880.

### AN ACT TO COMPEL A MORE ACCURATE REGISTRATION OF BIRTHS.

*Be it enacted, etc., as follows :*

SECTION 1. It shall be the duty of every physician and midwife in the several cities and towns in this Commonwealth, excepting Boston, to report on or before the fifth day of each month to the clerk of each city and town a correct list of births of all children born therein during the month next preceding at which such physician or midwife was present, stating therein the place, date of each birth, and parents' names.

SECT. 2. Town and city clerks shall give public notice that they are prepared to furnish the necessary blanks to all physicians and midwives applying therefor.

SECT. 3. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty dollars.

SECT. 4. This act shall take effect upon its passage.

*Approved February 26, 1880.*

## CHAPTER 11 OF ACTS OF 1881.

## AN ACT CONCERNING MARRIAGES IN THE SOCIETY OF FRIENDS.

*Be it enacted, etc., as follows :*

SECTION 1. Section sixteen of chapter one hundred and six of the General Statutes is hereby amended by inserting after the word "him," in the fourth line, the words "or in the said meeting."

SECT. 2. Section twenty of said chapter is hereby amended by inserting after the word "gospel," in the second line, the words "or in the Society of Friends according to its usages," and by inserting after the word "person," in the fourth line, the words "or Society of Friends."

SECT. 3. This act shall take effect upon its passage.

*Approved February 9, 1881.*

## CHAPTER 32 OF THE PUBLIC STATUTES.

[Enacted November 19, 1881, to take effect February 1, 1882.]

## RECORDS OF BIRTHS, MARRIAGES AND DEATHS.

SECTION 1. The clerk of each city and town shall receive or obtain and record and index, the following facts concerning the births, marriages and deaths therein, separately numbering and recording the same in the order in which he receives them, designating in separate columns as follows :

In the record of births, the date of birth, the place of birth, the name of the child, (if it has any,) the sex and color of the child, the names and places of birth of the parents, the occupation of the father, the residence of the parents, and the date of the record.

In the record of marriages, the date of the marriage, the place of marriage, the name, residence and official station of the person by whom married, the names and the places of birth of the parties, the residence of each, the age and color of each, the condition of each, (whether single or widowed,) the occupation, the names of the parents, and the date of the record.

In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition, (whether single, widowed, or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of the parents, the disease or cause of death, the place of burial, and the date of the record.

SECT. 2. Parents shall give notice to the clerk of their city or town of the births and deaths of their children ; every householder shall give like notice of every birth and death happening in his house ; the eldest person next of kin shall give such notice of the death of his kindred ; the keeper of a workhouse, house of correction, prison, hospital, or almshouse, except the State almshouse, and the master or other commanding officer of a ship, shall give like notice of every birth and death happening among the persons under his charge. Whoever neglects to give such notice for the space of six months after a birth or death shall forfeit a sum not exceeding five dollars.

SECT. 3. A physician who has attended a person during his last illness shall, when requested within fifteen days after the decease of such person, forthwith furnish for registration a certificate of the duration of the last sickness, the disease of which the person died, and the date of his decease, as nearly as he can state the same. If a physician refuses

or neglects to make such certificate, he shall forfeit ten dollars to the use of the town in which he resides.

SECT. 4. Every sexton, undertaker, or other person having charge of a burial-ground, and every undertaker or superintendent of burials having charge of the funeral rites preliminary to the interment of a human body, shall forthwith obtain and return to the clerk of the city or town in which the deceased resided, or the death occurred, the facts required by this chapter to be recorded by said officer concerning the deceased, and the person making such return shall receive from his city or town the fee of twenty-five cents therefor.

SECT. 5. No human body shall be buried or removed from any city or town until a proper certificate has been given by the clerk or registrar to the undertaker, sexton or other person performing the burial or removing the body. Such certificate shall state that the facts required by this chapter have been returned and recorded; and no clerk or registrar shall give such certificate or burial permit until the certificate of the cause of death has been obtained from the physician, if any, in attendance at the last sickness of the deceased, and placed in the hands of said clerk or registrar; and in cities and towns where there are boards of health, the certificate of the cause of death shall also be approved by such board before a permit to bury is given by the registrar or clerk. Upon application, the chairman of the board of health, or any physician employed by any city or town for such purpose, shall sign the certificate of the cause of death to the best of his knowledge and belief, if there has been no physician in attendance. He shall also sign such certificate, upon application, in case of death by dangerous contagious disease, or in any other event when the certificate of the attending physician cannot for good and sufficient reasons be early enough obtained. In case of death by violence, the medical examiner attending shall furnish the requisite medical certificate. Any person violating the provisions of this section shall be punished by fine not exceeding twenty-five dollars.

SECT. 6. The boards of health of towns and the mayor and aldermen of cities shall, on or before the first day of July in each year, license a suitable number of undertakers to take charge of the funeral rites preliminary to the interment of a human body.

SECT. 7. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city and town, except Boston, a correct list of all children born therein during the month next preceding at the birth of which they were present, stating the place and date of each birth, and the parents' names.

SECT. 8. The clerk of each city and town shall give public notice that he is prepared to furnish, to all physicians and midwives applying therefor, blanks for returns under the preceding section.

SECT. 9. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty dollars.

SECT. 10. The clerk of each city and town shall annually, on or before the first day of March, transmit to the secretary of the commonwealth certified copies of the records of the births, marriages and deaths which have occurred therein during the year ending on the last day of the preceding December.

SECT. 11. The record of the town clerk relative to a birth, marriage or death, shall be prima facie evidence, in legal proceedings, of the facts recorded. A certificate, signed by the town clerk for the time being, shall be admissible as evidence of such record.

SECT. 12. The clerk of each city and town, (except in such cities and towns as choose a registrar, in which cases the provisions of this section shall apply to the registrar,) for receiving or obtaining, recording, indexing, and returning the facts relating to marriages,

births and deaths occurring therein, shall be entitled to receive from the city or town for each marriage, fifteen cents; for each birth, fifty cents; for each death returned to him by the persons specified in sections two, three, and four, twenty cents for each of the first twenty entries, and ten cents for each subsequent entry; for each death not so returned, but by him obtained and recorded, thirty-five cents, as the same shall be certified by the secretary of the commonwealth; but a city or town containing more than ten thousand inhabitants may limit the aggregate compensation allowed to their clerk or registrar. He shall forfeit not less than twenty nor more than one hundred dollars for each refusal or neglect to perform any duty required of him by sections one, two, three, four, ten, twelve, fourteen, sixteen, and eighteen.

SECT. 13. The superintendent of the state almshouse shall obtain, record, and make return of the facts in relation to the births and deaths which occur in his institution, in like manner as is required of town clerks. The clerk of a town in which such almshouse is located shall, in relation to the births and deaths of persons in said almshouse, be exempt from the duties otherwise required of him by this chapter.

SECT. 14. The secretary shall at the expense of the commonwealth prepare and furnish to the clerks of the several cities and towns, and to the superintendent of the state almshouse, blank books of suitable quality and size to be used as books of record under this chapter, blank books for indexes thereto, and blank forms for returns, on paper of uniform size; and shall accompany the same with such instructions and explanations as may be necessary and useful. City and town clerks shall make such distribution of blank forms of returns furnished by the secretary as he shall direct.

SECT. 15. The secretary shall cause the returns received by him for each year to be bound together in one or more volumes with indexes thereto. He shall prepare from the returns such tabular results as will render them of practical utility, make report thereof annually to the general court, and do all other acts necessary to carry into effect the provisions of this chapter.

SECT. 16. A city or town containing more than ten thousand inhabitants may choose a person other than the clerk to be registrar, who shall be sworn, and to whom all the provisions of this chapter concerning clerks shall apply. The returns and notices required to be made and given to clerks shall be made and given to such registrar under like penalties.

SECT. 17. The secretary of the Commonwealth shall prosecute, by an action of tort in the name of the Commonwealth, for the recovery of any penalty or forfeiture imposed by sections two, three, twelve, sixteen, and eighteen.

SECT. 18. A city or town may make rules and regulations to enforce the provisions of this chapter, or to secure a more perfect registration of births, marriages, and deaths therein.

## CHAPTER 37 OF THE PUBLIC STATUTES.

### OF THE PUBLIC RECORDS.

SECT. 5. A city or town may cause to be carefully copied such of its records as relates to grants of land, — and also any records of births and marriages kept by such city or town or by a parish within the same.

SECT. 12. Registers of deeds and the registers and clerks of courts, cities and towns shall keep all records and documents belonging to their respective offices in their sole custody, and shall in no case, except upon summons in due form of law or when the temporary removal of

records and documents in their custody is necessary or convenient for the transaction of the business of the courts or the performance of the duties of their respective offices, cause or permit any record or document to be removed therefrom.

SECT. 13. Under the direction of the officers having the custody of any county, city or town records or files, all such records and files shall be open for public inspection and examination, and any person may take copies thereof. And the several clerks and registers shall, on payment of a reasonable fee therefor, compare and certify all copies properly and correctly made in pursuance of the provisions of this chapter.

## CHAPTER 145 OF THE PUBLIC STATUTES.

### OF MARRIAGE.

#### CERTAIN MARRIAGES PROHIBITED.

SECTION 1. No man shall marry his mother, grandmother, daughter, granddaughter, step-mother, sister, grandfather's wife, son's wife, grandson's wife, wife's mother, wife's grandmother, wife's daughter, wife's granddaughter, brother's daughter, sister's daughter, father's sister, or mother's sister.

SECT. 2. No woman shall marry her father, grandfather, son, grandson, step-father, brother, grandmother's husband, daughter's husband, granddaughter's husband, husband's father, husband's grandfather, husband's son, husband's grandson, brother's son, sister's son, father's brother, or mother's brother.

SECT. 3. In all cases in which the relationship mentioned in the two preceding sections is founded on marriage, the prohibition shall continue notwithstanding the dissolution by death or divorce of the marriage on which such relationship is founded, unless the divorce is for a cause which shows such marriage to have been originally unlawful or void.

SECT. 4. All marriages contracted while either of the parties has a former wife or husband living, except as is provided in chapter one hundred and forty-six, shall be void.

SECT. 5. No insane person or idiot shall be capable of contracting marriage.

SECT. 6. No magistrate or minister shall solemnize a marriage, when he has reasonable cause to suppose the male to be under the age of twenty-one years or the female to be under the age of eighteen years, except with the consent of the parent or guardian having the custody of the minor, if there is any such parent or guardian in the Commonwealth competent to act.

SECT. 7. Every marriage solemnized within this Commonwealth, which is prohibited on account of consanguinity or affinity between the parties, or on account of either of them having a former wife or husband living, or when either party was insane or an idiot, shall be void without a decree of divorce or other legal process.

SECT. 8. Every marriage solemnized when either party was under the age of consent shall be similarly void, if the parties separate during such nonage, and do not afterwards cohabit.

SECT. 9. The validity of a marriage shall not be questioned in the trial of a collateral issue on account of the insanity or idiocy of either party, but such question shall only be raised in a process instituted to test such validity in the lifetime of both parties.

SECT. 10. When persons resident in this Commonwealth, in order to evade any of the provisions of the first five sections of this chapter, and with an intention of returning to reside in this Commonwealth, go into another state or country and there have their marriage solemn-



nized, and afterwards return and reside here, the marriage shall be deemed void in this Commonwealth.

SECT. 11. When the validity of a marriage is doubted, either party may file a libel for annulling such marriage, or, when the validity of a marriage is denied or doubted by either party, the other party may file a libel for affirming the same. Such libel shall be filed in the same manner as a libel for divorce, and all the provisions of chapter one hundred and forty-six relative to libels for divorce, and section twenty-four of said chapter, relative to the powers of the court in relation thereto, shall, so far as applicable, apply to libels under this section. Upon proof of the nullity or validity of the marriage, it shall be declared void, or affirmed by a decree of the court, and such decree of nullity may be made notwithstanding the marriage was solemnized out of the Commonwealth, if the libellant had his domicile in the Commonwealth when the marriage was solemnized and also when the libel was filed, and such decree affirming a marriage shall be conclusive upon all persons concerned.

#### LEGITIMACY, CARE, ETC., OF ISSUE OF VOID MARRIAGES.

SECT. 12. The issue of a marriage declared void on account of consanguinity or affinity between the parties shall be deemed to be illegitimate.

SECT. 13. The issue of a marriage declared void on account of the nonage, insanity or idiocy of either party shall be deemed to be the legitimate issue of the parent who was capable of contracting the marriage.

SECT. 14. When a marriage is declared void on account of a prior marriage of either party, and it appears that the second marriage was contracted in good faith and with the full belief of the parties that the former husband or wife was dead, that fact shall be stated in the decree, and the issue of the second marriage, born or begotten before the commencement of the suit, shall be deemed to be the legitimate issue of the parent capable of contracting the marriage.

SECT. 15. Upon or after a decree of nullity the court shall have similar power to make orders concerning the care, custody and maintenance of the minor children of the parties as upon a decree of divorce.

#### NOTICE OF INTENTION OF MARRIAGE.

SECT. 16. Persons intending to be joined in marriage in this Commonwealth shall before their marriage cause notice of their intention to be entered in the office of the clerk or registrar of the city or town in which they respectively dwell, or, if they do not dwell within the Commonwealth, in the office of the clerk or registrar of the city or town in which they propose to have the marriage solemnized. If there is no such clerk or registrar in the place of their residence, the entry shall be made in an adjoining city or town.

SECT. 17. The clerk or registrar shall deliver to the parties a certificate under his hand, specifying the time when notice of the intention of marriage was entered with him, together with all facts in relation to the marriage which are required by law to be ascertained and recorded, except those respecting the person by whom the marriage is to be solemnized. Such certificate shall be delivered to the minister or magistrate before whom the marriage is to be contracted, before he proceeds to solemnize the same.

SECT. 18. If a clerk or registrar issues such certificate to a male under the age of twenty-one years, or to a female under the age of eighteen years, when he has reasonable cause to suppose the person to be under such age, except upon the application or consent in writing of the parent, master or guardian of such person, he shall forfeit a

sum not exceeding one hundred dollars; but if there is no parent, master or guardian in this Commonwealth competent to act, a certificate may be issued without such application or consent.

SECT. 19. The clerk or registrar may require of any person applying for such certificate an affidavit setting forth the age of the parties; which affidavit shall be sworn to before a justice of the peace, and shall be sufficient proof of age to authorize the issuing of the certificate.

SECT. 20. Whoever, when applying for such certificate, wilfully makes a false statement in relation to the age, residence, parent, master or guardian of either of the parties intending marriage, shall forfeit a sum not exceeding two hundred dollars.

SECT. 21. When a marriage is solemnized in another state between parties living in this Commonwealth, and they return to dwell here, they shall within seven days after their return file with the clerk or registrar of the city or town where either of them lived at the time a certificate or declaration of their marriage, including the facts concerning marriages required by law; and for every neglect so to do they shall forfeit ten dollars.

#### BY WHOM AND HOW MARRIAGE MAY BE SOLEMNIZED.

SECT. 22. A marriage may be solemnized by a justice of the peace or by a minister of the gospel, ordained according to the usage of his denomination, who resides in the Commonwealth and continues to perform the functions of his office; but every marriage shall be solemnized in the city or town in which the person solemnizing it resides, or in which one or both of the persons to be married reside.

SECT. 23. A marriage among the people called Friends or Quakers may be solemnized in the manner heretofore used and practised in their societies.

SECT. 24. Every justice of the peace, minister and clerk or keeper of the records of a meeting wherein marriages among Friends or Quakers are solemnized shall make a record of each marriage solemnized before him, or in such meeting, and of all facts relating to the marriage which are required by law to be recorded. He shall also, between the first and tenth days of each month, return a copy of all such records for the month next preceding to the clerk or registrar of the city or town in which the marriage was solemnized, and shall, when one or both of the parties to the marriage resided in a city or town other than that in which the marriage was solemnized, return a copy of the record of such marriage to the clerk or registrar of the city or town in which either party resided, and to the clerks or registrars of both cities or towns when the parties resided in different places. All marriages so returned shall be recorded by the clerk or registrar, and every person neglecting to make the returns required by this section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

SECT. 25. A justice of the peace or minister who joins persons in marriage contrary to the provisions of this chapter, knowing that the marriage is not duly authorized, shall forfeit not less than fifty nor more than one hundred dollars.

SECT. 26. Whoever undertakes to join persons in marriage, knowing that he is not authorized so to do, shall be imprisoned in the jail for a term not exceeding six months, or pay a fine of not less than fifty nor more than two hundred dollars.

SECT. 27. No marriage solemnized before a person professing to be a justice of the peace or a minister of the gospel, or solemnized in the society of Friends according to the usages of said society, shall be deemed or adjudged to be void, nor shall the validity thereof be in any way affected by want of jurisdiction or authority in such person or society, or by an omission or by informality in the manner of enter-

ing the intention of marriage, if the marriage is in other respects lawful, and is consummated with a full belief on the part of the persons so married, or of either of them, that they have been lawfully joined in marriage.

SECT. 28. Marriages solemnized in a foreign country by a consul or diplomatic agent of the United States shall be valid in this Commonwealth.

#### EVIDENCE OF MARRIAGE.

SECT. 29. The record of a marriage, made and kept as prescribed by law by the person before whom the marriage has been solemnized, or by the clerk or registrar of a city or town, or a copy of such record duly certified, shall be received in all courts and places as presumptive evidence of such marriage.

SECT. 30. When a marriage has been solemnized by a consul or diplomatic agent of the United States, a copy of the record or a certificate from such consul or agent shall be presumptive evidence of such marriage.

SECT. 31. When the fact of marriage is required or offered to be proved before a court, evidence of the admission of such fact by the party against whom the process is instituted, or evidence of general repute or of cohabitation as married persons, or any other circumstantial or presumptive evidence from which the fact may be inferred, shall be competent.

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### CHAPTER 199 OF THE PUBLIC STATUTES.

#### TOWN CLERKS.

SECT. 16. The fees of town clerks shall be as follows :

For entering notice of an intention of marriage and issuing the certificate thereof, and for entering the certificate of marriage filed by persons married out of the state, fifty cents, to be paid by the parties.

For a certificate of a birth or death, ten cents.

#### MINISTERS, ETC., FOR MARRIAGES.

SECT. 17. For lawfully solemnizing and certifying a marriage, a minister or justice of the peace shall be entitled to receive one dollar and twenty-five cents.

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### CHAPTER 207 OF THE PUBLIC STATUTES.

#### FRAUDULENT NOTICES.

SECT. 68. Whoever wilfully sends to the publisher of a newspaper, for the purpose of publication, a false notice of a birth, marriage or death, shall be punished by fine not exceeding one hundred dollars.

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### CHAPTER 124 OF ACTS OF 1883.

#### AN ACT RELATING TO THE REMOVAL AND TRANSPORTATION OF CERTAIN BODIES FOR BURIAL.

*Be it enacted, etc., as follows :*

SECTION 1. Section five of chapter thirty-two of the Public Statutes, relating to the burial or removal of bodies for burial, is amended by inserting in the eleventh line thereof, after the word "bury," the words "or remove."

SECT. 2. No railroad corporation, or other common carrier or person, shall convey or cause to be conveyed, through or from any city or town in this Commonwealth, the remains of any person who has died of small-pox, scarlet fever, diphtheria, or typhoid fever, until such body has been so encased and prepared as to preclude any danger of communicating the disease to others by its transportation; and no local registrar or clerk shall give a permit for the removal of such body until he has received from the board of health of the city, or the selectmen of the town where the death occurred, a certificate, stating the cause of death, and that said body has been prepared in the manner set forth in this section, which certificate shall be delivered to the agent or person who receives the body.

SECT. 3. This act shall take effect upon its passage.

*Approved April 11, 1883.*

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#### CHAPTER 158 OF ACTS OF 1883.

##### AN ACT IN RELATION TO THE RETURNS OF BIRTHS BY PHYSICIANS AND MIDWIVES.

*Be it enacted, etc., as follows :*

SECTION 1. Section seven of chapter thirty-two of the Public Statutes is amended so as to read as follows: "Sect. 7. Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town, except Boston, a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child (if it has any), the sex and color of the child, the name, place of birth and residence of the parents, and the occupation of the father. The fee of the physician or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made."

SECT. 2. This act shall take effect upon its passage.

*Approved May 3, 1883.*

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#### CHAPTER 36 OF ACTS OF 1886.

##### AN ACT TO AMEND SECTION ELEVEN OF CHAPTER ONE HUNDRED AND FORTY-FIVE OF THE PUBLIC STATUTES RELATING TO MARRIAGE.

*Be it enacted, etc., as follows :*

SECTION 1. Section eleven of chapter one hundred and forty-five of the Public Statutes is hereby amended, by inserting in the fourteenth line of said section after the word "filed," the following words: — or has resided in this Commonwealth for five years next preceding the filing of said libel, unless it appears that said libellant has removed into this Commonwealth for the purpose of obtaining said decree.

SECT. 2. This act shall take effect upon its passage.

*Approved March 2, 1886.*

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#### CHAPTER 202 OF ACTS OF 1887.

##### AN ACT IN RELATION TO THE RETURN AND RECORD OF BIRTHS MARRIAGES AND DEATHS.

*Be it enacted, etc., as follows :*

SECTION 1. Section five of chapter thirty-seven of the Public Statutes is hereby amended by inserting the word: — deaths, — after the

word "births" in the fourth line thereof, so that the same shall read:— also any records of births, deaths and marriages kept by such city or town or by a parish within the same.

SECT. 2. Section four of chapter thirty-two of the Public Statutes is hereby amended by adding at the end thereof the words:— all such returns shall be preserved by said clerk or registrar, and filed, arranged and indexed conveniently for examination and reference.

SECT. 3. Section twenty-four of chapter one hundred and forty-five is hereby amended by adding at the end thereof the words:— all such returns shall be preserved by said clerk or register, and filed, arranged and indexed conveniently for examination and reference.

SECT. 4. The provisions of sections two and three of this act shall apply to all returns of marriages and deaths now in the offices of town and city clerks and city registrars.

SECT. 5. Section one of chapter thirty-two of the Public Statutes is hereby amended by inserting after the word "burial" in the twentieth line of said section the words:— if the deceased was a married woman the name of her husband.

SECT. 6. This act shall take effect upon its passage.

*Approved April 20, 1887.*

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#### CHAPTER 63 OF ACTS OF 1888.

AN ACT TO AMEND SECTION THREE OF CHAPTER THIRTY-TWO OF THE PUBLIC STATUTES RELATING TO THE FURNISHING, BY PHYSICIANS, OF CERTIFICATES OF DEATH.

*Be it enacted, etc., as follows:*

SECTION 1. Section three of chapter thirty-two of the Public Statutes is hereby amended by striking out after the words "when requested" in the second line thereof, the words "within fifteen days after the decease of such person."

SECT. 2. This act shall take effect upon its passage.

*Approved February 27, 1888.*

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#### CHAPTER 306 OF ACTS OF 1888.

AN ACT RELATING TO THE CERTIFICATES AND REGISTRY OF DEATHS, AND THE BURIAL AND REMOVAL OF BODIES OF DECEASED PERSONS.

*Be it enacted etc., as follows:*

SECTION 1. Section three of chapter thirty-two of the Public Statutes, requiring attending physicians to furnish for registration certain facts relating to deceased persons, is amended so as to read as follows:— *Section 3.* A physician who has attended a person during his last illness shall, when requested, forthwith furnish for registration, a certificate stating, to the best of his knowledge and belief, the name of the deceased, his age, the disease of which he died, the duration of his last sickness, and the date of his decease. If the physician neglect or refuse to make a certificate as aforesaid, he shall be punished by a fine not exceeding fifty dollars.

SECT. 2. Section five of said chapter, prohibiting the burial or removal of a human body until a proper certificate is furnished, is amended so as to read as follows:

*Section 5.* No undertaker, sexton or any other person shall bury in a city or town or remove therefrom the

body of a deceased person until he has received a permit so to do from the board of health or its duly appointed agent, or, if there is no board of health in such city or town, from the city or town clerk. No such permit shall be issued until there has been delivered to such board, or agent or clerk, as the case may be, a satisfactory written statement containing the facts required by this chapter to be returned and recorded, together with the certificate of the attending physician, if any, as required by section three of this chapter, or in lieu thereof a certificate as hereinafter provided. If there is no attending physician, or if the certificate of the attending physician cannot be obtained, for good and sufficient reasons, early enough for the purpose, the chairman of the board of health or any physician employed by a city or town for the purpose shall, upon request of said board, agent or clerk, make such certificate as is required of the attending physician; and in case of death by violence the medical examiner shall, if requested, make the same. When such satisfactory statement and certificate are delivered to the board of health or to its agent, the board or agent shall forthwith countersign and transmit the same to the clerk or registrar for registration. The person to whom the permit is so given shall thereafter furnish for registration any other information as to the deceased or to the manner and cause of the death, as the clerk or registrar may require. Any person violating any of the provisions of this section shall be punished by a fine not exceeding fifty dollars.

*Approved May 4, 1888.*

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#### CHAPTER 208 OF ACTS OF 1889.

##### AN ACT IN RELATION TO THE RETURNS OF BIRTHS AND DEATHS.

*Be it enacted, etc., as follows:*

SECTION 1. The clerk or registrar of each city and town shall on the first day of each month make a certified copy of the record of all deaths and births recorded in the books of said city or town during the previous month, whenever the deceased person or the parents of the child born, were resident in any other city or town in this Commonwealth at the time of said death or birth; and shall transmit said certified copies to the clerk or registrar of the city or town in which such deceased person or parents were resident at the time of said death or birth, stating in addition the name of the street and number of the house, if any, where such deceased person or parents so resided, whenever the same can be ascertained; and the clerk or registrar so receiving such certified copies shall record the same in the books kept for recording deaths or births. Such certified copies shall be made upon blanks to be furnished for that purpose by the secretary of the Commonwealth.

SECT. 2. This act shall take effect upon its passage.

*Approved April 5, 1889.*

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#### CHAPTER 288 OF ACTS OF 1889.

##### AN ACT IN RELATION TO THE RETURNS OF BIRTHS BY PHYSICIANS AND MIDWIVES.

*Be it enacted, etc., as follows:*

Section seven of chapter thirty-two of the Public Statutes, as amended by chapter one hundred and fifty-eight of the acts of the year eighteen hundred and eighty-three, is hereby further amended by striking out in

the second and third lines of said section the words "except Boston," so as to read as follows:

*Section 7.* Physicians and midwives shall, on or before the fifth day of each month, report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child (if it has any), the sex and color of the child, the name, place of birth, and residence of the parents, and the occupation of the father. The fee of the physician or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made.

*Approved April 26, 1889.*

#### CHAPTER 402 OF ACTS OF 1890.

##### AN ACT IN RELATION TO THE RETURN AND RECORD OF DEATHS.

*Be it enacted, etc., as follows:*

SECTION 1. The last clause of section one of chapter thirty-two of the Public Statutes, as amended by section five of chapter two hundred and two of the acts of the year eighteen hundred and eighty-seven, is hereby further amended so that said clause shall read as follows: In the record of deaths, the date of the death, the name of the deceased, the sex, the color, the condition (whether single, widowed or married,) the age, the residence, the occupation, the place of death, the place of birth, the names and places of birth of parents, the disease or cause of death, the place of burial, if the deceased was a married woman her maiden name, and the name of her husband, and the maiden name of the mother of any deceased person, and the date of the record.

SECT. 2. This act shall take effect upon its passage.

*Approved June 11, 1890.*

#### CHAPTER 300 OF ACTS OF 1892.

##### AN ACT RELATING TO THE RECORD AND RETURN OF MARRIAGES.

*Be it enacted, etc., as follows:*

Section twenty-four of chapter one hundred and forty-five of the Public Statutes is hereby amended by inserting in the third line of said section, after the word "make," the words: — and keep, — by striking out, in the fifth line, the words "by law," by inserting after the word "recorded," in said fifth line, the words: — by section one of chapter thirty-two of the Public Statutes, — by striking out the word "each," in the sixth line of said section, and inserting in place thereof the word: — the, — by striking out all after the word "month," in said sixth line, to and including the word "solemnized," in the tenth line, and inserting in place thereof the following words:—following each marriage solemnized by him, return each certificate issued under the provisions of sections sixteen and seventeen of this chapter, to the clerk or registrar who issued the same; and if the marriage was solemnized in a city or town other than the place or places in which the parties to the marriage resided,—by striking out, in the eleventh line, the words "of the record of such marriage," and inserting in place thereof the following words:—of the certificate, or of either certificate in case two were issued,—by striking out all after the word "town," in the twelfth line, to and including "places," in the fourteenth line, and inserting in place thereof the following words: — in which the marriage was solemnized. Each certificate and copy so returned shall contain a statement giving the place and date of marriage, and shall be attested by the signature

of the person who solemnized the same, with his official station and residence added thereto, — by striking out the word “marriages,” in said fourteenth line, and inserting in place thereof the words:— certificates or copies,—by inserting after the word “registrar,” in the fifteenth line, the words:—receiving the same,—and by inserting after the word “the,” in said fifteenth line, the words:— record and,—so as to read as follows:

*Section 24.* Every justice of the peace, minister and clerk or keeper of the records of a meeting wherein marriages among Friends or Quakers are solemnized shall make and keep a record of each marriage solemnized before him, or in such meeting, and of all facts relating to the marriage which are required to be recorded by section one of chapter thirty-two of the Public Statutes. He shall also, between the first and tenth days of the month following each marriage solemnized by him, return each certificate issued under the provisions of sections sixteen and seventeen of this chapter, to the clerk or registrar who issued the same; and if the marriage was solemnized in a city or town other than the place or places in which the parties to the marriage resided, return a copy of the certificate, or of either certificate in case two were issued, to the clerk or registrar of the city or town in which the marriage was solemnized. Each certificate and copy so returned shall contain a statement giving the place and date of marriage, and shall be attested by the signature of the person who solemnized the same, with his official station and residence added thereto. All certificates or copies so returned shall be recorded by the clerk or registrar receiving the same, and every person neglecting to make the record and returns required by this section shall forfeit for each neglect not less than twenty nor more than one hundred dollars.

*Approved May 17, 1892.*

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## CHAPTER 305 OF ACTS OF 1892.

### AN ACT CONCERNING RECORDS OF BIRTHS, DEATHS AND MARRIAGES.

*Be it enacted, etc., as follows:*

SECTION 1. Whenever the records of any city or town do not contain the facts relating to a birth, death or marriage which occurred therein, or whenever such facts are not fully or correctly stated on such records, the clerk or registrar of such city or town may receive a deposition, under oath, containing such facts as are desired for record, and shall then file said deposition and record said facts in a book to be kept for that purpose, stating in addition thereto the name and residence of the deponent and the date of such record. The clerk or registrar shall keep such book separate and apart from the official records of his office, and may certify to the facts contained therein; *provided, however,* that such certificate shall state in addition to all the facts so recorded that the certificate is issued in accordance with the provisions of this act.

SECT. 2. A clerk or registrar shall not alter or amend the record of any former clerk or registrar, nor any record made while he is in office, except to correct a clerical error made by himself or some person under his direction. Whenever it is deemed expedient to make a new copy of any earlier records, each page shall be verified and signed by the clerk or registrar, and such record while preserved in proper custody shall have the same force and effect as the original record.

SECT. 3. Any person who shall make a false return in regard to any birth or death shall be liable to a fine not exceeding fifty dollars.

*Approved May 17, 1892*



## CHAPTER 314 OF ACTS OF 1892.

AN ACT CONCERNING THE CITY REGISTRAR OF THE CITY OF BOSTON.

*Be it enacted, etc., as follows:*

SECTION 1. The mayor of the city of Boston shall appoint, subject to confirmation by the board of aldermen of said city, a city registrar, who shall have charge of the registry department of said city and shall have all the powers and perform all the duties appertaining to registrars of cities provided for in section sixteen of chapter thirty-two of the Public Statutes; and said city may from time to time assign to said city registrar any other duties. Chapter two hundred and sixty-six of the acts of the year eighteen hundred and eighty-five and chapter four hundred and eighteen of the acts of the year eighteen hundred and ninety, and all other acts relating to departments of the city of Boston and officers in charge thereof, shall apply to said registry department and to said city registrar.

SECT. 2. The said city registrar shall, from his subordinates, appoint two assistant city registrars, who may, in the absence of the city registrar, perform his duties; and the certificates or attestations of either assistant city registrar shall have the same force and effect as that of the city registrar; said city registrar may pay, out of any funds received by him, the fees due to persons making returns under the requirements of law, and shall on or before the twentieth of each month transmit the accounts and vouchers for all funds so received and fees so paid to the city auditor.

SECT. 3. The duties imposed upon the clerks of cities or towns under sections fourteen and fifteen of chapter thirty-seven of the Public Statutes shall in Boston be performed by the city registrar.

SECT. 4. Said city may from time to time, by ordinance, direct the head of any department, including the city clerk, to place in charge of the city registrar any of the books or papers of such department bearing date prior to the year eighteen hundred and seventy-five, and may in like manner direct their return.

SECT. 5. In the city of Boston the penalties or forfeitures established by section seventeen of chapter thirty-two of the Public Statutes, or by acts supplementary thereto, shall be recovered on complaint, in the same manner as penalties for breaches of the ordinances of said city, and all fines paid on such complaints shall enure to said city for such uses as it may direct.

*Approved May 19, 1892.*

## CHAPTER 263 OF ACTS OF 1893.

AN ACT RELATING TO CERTIFICATES AND REGISTRATION OF DEATHS AND TO THE BURIAL AND REMOVAL OF HUMAN BODIES.

*Be it enacted, etc., as follows:*

SECTION 1. Section three of chapter thirty-two of the Public Statutes, as amended by section one of chapter three hundred and six of the acts of the year eighteen hundred and eighty-eight, is hereby amended by inserting after the word "decease," in the seventh line the words: and a physician who has attended at a birth of a child dying immediately thereafter, or at the birth of a stillborn child, shall, when requested, forthwith furnish for registration a certificate stating, to the best of his knowledge and belief, the fact that such a child died after birth or was born dead, — also by inserting after the word "aforesaid," in the eighth line, the words: or makes a false statement therein, — so as to read as follows: *Section 3.* A physician who has attended a person during his last illness shall, when requested forthwith, furnish

for registration, a certificate stating, to the best of his knowledge and belief, the name of the deceased, his age, the disease of which he died, the duration of his last sickness, and the date of his decease; and a physician who has attended at a birth of a child dying immediately thereafter, or at the birth of a stillborn child, shall, when requested, forthwith furnish for registration a certificate stating, to the best of his knowledge and belief, the fact that such a child died after birth or was born dead. If a physician neglects or refuses to make a certificate as aforesaid, or makes a false statement therein, he shall be punished by a fine not exceeding fifty dollars.

SECT. 2. Section five of chapter thirty-two of the Public Statutes, as amended by section two of chapter three hundred and six of the acts of the year eighteen hundred and eighty-eight, is hereby amended by striking out in the second and third lines thereof, the words "the body of a deceased person," and inserting in place thereof the words: a human body,—so as to read as follows: *Section 5.* No undertaker, sexton, or other person shall bury in a city or town or remove therefrom a human body until he has received a permit so to do from the board of health or its duly appointed agent, or, if there is no board of health in such city or town, from the city or town clerk. No such permit shall be issued until there has been delivered to such board, or agent or clerk, as the case may be, a satisfactory written statement containing the facts required by this chapter to be returned and recorded, together with the certificate of the attending physician, if any, as required by section three of this chapter, or in lieu thereof a certificate as hereinafter provided. If there is no attending physician, or if the certificate of the attending physician cannot be obtained, for good and sufficient reasons, early enough for the purpose, the chairman of the board of health or any physician employed by a city or town for the purpose shall, upon request of said board, agent, or clerk, make such certificate as is required of the attending physician; and in case of death by violence the medical examiner shall, if requested, make the same. When such satisfactory statement and certificate are delivered to the board of health or to its agent, the board or agent shall forthwith countersign and transmit the same to the clerk or registrar for registration. The person to whom the permit is so given shall thereafter furnish for registration any other information as to the deceased or to the manner and cause of the death, as the clerk or registrar may require. Any person violating any of the provisions of this section shall be punished by a fine not exceeding fifty dollars.

SECT. 3. This act shall take effect upon its passage.

*Approved April 26, 1893.*

## CHAPTER 461 OF ACTS OF 1893.

### AN ACT RELATIVE TO SOLEMNIZING MARRIAGES.

*Be it enacted, etc., as follows:*

SECTION 1. Any rabbi of the Israelitish faith may solemnize a marriage under the same rules, restrictions, obligations and penalties as are imposed by law upon ministers of the gospel in this Commonwealth. Such rabbi must be one duly licensed to act by a congregation of said faith established in this Commonwealth.

SECT. 2. The provisions of section twenty-seven of chapter one hundred and forty-five of the Public Statutes shall apply to such a marriage.

SECT. 3. This act shall take effect upon its passage.

*Approved June 9, 1893.*

## CHAPTER 206 OF ACTS OF 1894.

AN ACT RELATING TO RETURNS OF BIRTHS, MARRIAGES, AND DEATHS.

*Be it enacted, etc., as follows :*

Section ten of chapter thirty-two of the Public Statutes is hereby amended by inserting in the first line after the word "town" the words "except Boston," and by adding at the end of said section the words, "the city registrar of Boston shall transmit the copies of his record on or before the first day of May annually," so as to read as follows :

"Section 10. The clerk of each city and town, except Boston, shall annually, on or before the first day of March, transmit to the secretary of the Commonwealth certified copies of the records of the births, marriages, and deaths which have occurred therein during the year ending on the last day of the preceding December. The city registrar of Boston shall transmit the copies of his records on or before the first day of May annually."

*Approved April 5, 1894.*

## CHAPTER 401 OF ACTS OF 1894.

AN ACT CONCERNING THE MARRIAGE OF MINORS.

*Be it enacted, etc., as follows :*

SECTION 1. No town or city clerk or registrar shall receive a notice of the intention of marriage of any male under the age of eighteen years, nor of any female under the age of sixteen years, except as hereinafter provided.

SECT. 2. The judge of probate in any county, after due hearing, may make an order allowing the marriage of a minor under the age specified in the preceding section: *provided*, that said minor resides in a city or town within the county wherein said judge holds court; and *provided, also*, that the father of such minor, or in case of his death the mother, has consented to such order, and that in case neither parent is alive and resident in this Commonwealth a legal guardian has been appointed, whose consent has been given to such order. On the receipt of a certified copy of such order by the clerk or registrar of the town or city where such minor resides, he shall receive the notice required by law and issue a certificate as in other cases.

SECT. 3. This act shall take effect upon its passage.

*Approved May 18, 1894.*

## CHAPTER 402 OF ACTS OF 1894.

AN ACT RELATIVE TO RECORDS OF BIRTHS, DEATHS, AND MARRIAGES.

*Be it enacted, etc., as follows :*

SECTION 1. Section two of chapter three hundred and five of the acts of the year eighteen hundred and ninety-two is hereby amended by striking out all of said section to and including the word "direction," in the fifth line, so as to read as follows :

"Section 2. Whenever it is deemed expedient to make a new copy of any earlier records, each page shall be verified and signed by the clerk or registrar, and such record while preserved in proper custody shall have the same force and effect as the original record."

SECT. 2. No town or city clerk or registrar shall alter or add to any record of a birth, death, or marriage already entered in any book or formal list in his charge, except upon such evidence as was required by law for the original entry, or upon a certified copy of the record of any other city or town, or of the record made at the time by any person since deceased, who was required by law to furnish the evidence of birth, death, or marriage, and such correction shall be at his discretion. In no case shall the first entry be erased, but all corrections shall be added.

SECT. 3. This act shall take effect upon its passage.

*Approved May 18, 1894.*

#### CHAPTER 409 OF ACTS OF 1894.

##### AN ACT RELATIVE TO MARRIAGES AND THE ISSUING OF CERTIFICATES THEREFOR.

*Be it enacted, etc., as follows:*

SECTION 1. City clerks and registrars may require notices of intention of marriage to be given to them in writing, on blanks to be furnished by them, by one of the parties to such intended marriage, or by his or her parent or legal guardian, and may require the party giving such notice to make oath before them to the truth of all the statements therein whereof he or she could have knowledge. No fee shall be charged for administering such oath.

SECT. 2. Any city clerk or registrar may refuse to issue a certificate to any parties, in case he has reasonable grounds to believe that any of the statements contained in the notice of intention of marriage are incorrect; but he may, in his discretion, accept depositions under oath, made before him, and such depositions shall be taken and deemed to be sufficient proof of the facts therein stated to authorize the issuing of a certificate. A city clerk or registrar may dispense with the statement of any of the facts required by law to be given in notices of intention of marriage, whenever such facts do not relate to or affect the identity or age of the parties, if he is satisfied that the same cannot be obtained with reasonable effort.

SECT. 3. No city clerk or registrar shall be required to receive notices of intention of marriage at any place except his office, nor shall he be required to receive such notices on the Lord's day or public holidays.

SECT. 4. Whenever, in the marriage of a minor, it is necessary to give notice in two towns or cities, the town or city clerk or registrar who first takes the consent of the parent or guardian shall take it in duplicate, retaining one copy and delivering the other duly attested by him to the party obtaining the certificate, to be given to the clerk or registrar issuing the second certificate; and no fee shall be charged for such consent or copy.

SECT. 5. Any clergyman or rabbi duly authorized to solemnize a marriage in this Commonwealth may perform the ceremony anywhere within the same.

SECT. 6. No person shall give the notice of intention of marriage required by law without the consent of both the parties to such intended marriage, and any person giving such notice without such consent shall be liable in an action of tort to the person whose name was so used without such consent for all damages thereby sustained by such person.

SECT. 7. The superior court, upon petition of either of the parties alleged to intend marriage in a notice of intention of marriage, given

without the consent of both parties therein alleged to intend marriage, and not followed by a marriage between said parties, may, upon such notice as said court may order and after a hearing upon such petition, adjudge that such notice of intention of marriage be cancelled and expunged from the records of the city or town in which the same was recorded.

SECT. 8. Whoever violates any of the provisions of this act shall, upon conviction thereof within one year after such violation, be punished by a fine not exceeding five hundred dollars or by imprisonment in jail or in the house of correction for not more than one year, or both.

*Approved May 19, 1894.*

#### CHAPTER 427 OF THE ACTS OF 1895.

AN ACT RELATIVE TO MARRIAGE AND THE LEGITIMACY OF CHILDREN.

*Be it enacted, etc., as follows:*

Where a marriage contract has been entered into with due legal ceremony and the parties thereafter live together as husband and wife; and where at the time of such marriage ceremony a former husband or wife of one of the parties was living, and the former marriage with such person was still in force; and where such subsequent marriage contract was entered into by at least one of the parties in good faith, in the full belief that the former husband or wife was dead, or that such former marriage had been annulled by divorce; or without knowledge on the part of one of them of such former marriage; and where the impediment to such subsequent marriage existing by reason of the former marriage is removed by the death of the other party to the former marriage, or by a proper decree of divorce, and the parties to such subsequent marriage then continue living together as husband and wife in good faith, on the part of at least one of them, they shall be taken and deemed to have been legally married from and after the removal of such impediment, and the issue of such subsequent marriage shall be deemed to be the legitimate issue of both parents.

*Approved May 29, 1895.*



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ANNUAL REPORT  
 OF THE  
 SEALING OF WEIGHTS AND MEASURES  
 DEPARTMENT,  
 FOR THE YEAR 1894.

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In compliance with the requirements of the Revised Ordinances, I herewith submit the annual report of the Sealing of Weights and Measures Department.

The force of this department consists of one sealer, eight deputy sealers, and one messenger.

Appropriations for the fiscal year 1894 . . . \$19,950 00

CLASSIFICATION OF EXPENSES.

Salaries and messenger's pay,	\$15,442 74
Horses' board . . . . .	1,883 89
Medical attendance for horses . . . . .	35 25
Shoeing of horses . . . . .	202 50
Purchase of horses . . . . .	150 50
Repairs on wagons, sleighs, harnesses, etc. . . . .	333 59
Tools, hardware, etc. . . . .	260 49
Stationery . . . . .	87 61
Printing . . . . .	228 29

*Carried forward,* . . . . . \$18,624 86

<i>Brought forward,</i>	\$18,624 86
Telephone service . . . . .	163 15
Ferry-tolls and car-fares . . . . .	26 00
Advertising . . . . .	34 76
Repairing Standards, etc., in- cluding new Standards . . . . .	161 43
Clerical assistance . . . . .	262 50
Incidentals (including pay of deputies' assistant) . . . . .	550 73
	<hr/>
Total expenditures from Febru- ary 1, 1884, to February 1, 1895 . . . . .	\$19,823 43
Balance unexpended at end of fiscal year 1894-1895 . . . . .	126 57
	<hr/>
	<u>\$19,950 00</u>

Section 1 of Chapter 123 of the Acts of 1876 provides that "the sealer of weights and measures shall annually give public notice, by advertisement, or by posting notices in one or more public places, to all inhabitants or persons having a usual place of business therein who use scales, weights, or measures, for the purpose of selling any goods, wares, merchandise, or other commodities, or for public weighing, to bring in their scales, weights, and measures to be adjusted and sealed."

The same section also provides that "in those cities and towns where a salary is paid to the sealer of weights and measures no fees shall be charged for such services."

In compliance with the provisions of the foregoing section, it is customary for the Sealer to notify annually, in May, all such persons as are referred to by the statutes, by publishing the required notice in the daily papers, to bring to this office their scales, weights, and measures, to be tested and sealed.

Section 2 of Chapter 123 of the Acts of 1876, amended by Section 2 of Chapter 151 of the Acts of 1877, provides that "at any time after said notice the said sealer of weights and measures shall go to the houses, stores, and shops of persons mentioned in the foregoing section, who have neglected to comply with the notice given thereunder, and having entered the same, with the assent of the occupants, shall adjust and seal their scales, weights, and measures, and shall be entitled to receive for said service the compensation set forth in Chapter 51, Section 14, of the General Statutes."

The customary notice having been published, after a reasonable time the deputy sealers were instructed to visit the

places where scales, weights, and measures were in use; and, having informed the owners thereof that it was optional with them whether their scales, etc., should be tested at this office or at their place of business, and in the former case no charge would be made for such services, proceeded thereafter, with their consent, to test and seal the same.

The schedule of fees for work done outside the office is as follows:

## FOR TESTING.

Platform scale (5,000 lbs. capacity, and upwards)	. \$1 00
“ “ (less than 5,000 lbs. capacity)	. . 50
Dormant “ ( “ “ “ “ “ )	. . 50
Beam “ (capacity over 1,000 lbs)	. . 50
Counter platform scale (large size)	. . . 50
“ “ “ (small size)	. . . 25
Butchers' scale, spring balance, counter balance, or trip scale, each	. . . . . 03
Weights, each	. . . . . 03
Measures, wet or dry, each	. . . . . 03
Yardsticks, each	. . . . . 03

## ADJUSTING.

For adjusting or repairing any scale, A FAIR AND REASONABLE COMPENSATION.

For weights when either light or heavy, NOT TO EXCEED TEN CENTS EACH.

For yardsticks, not to exceed five cents each.

For measures, wet or dry, when either large or small, not to exceed ten cents each.

For adjusting or repairing any special weight or measure, not mentioned above, a fair and reasonable compensation.

## OPERATIONS OF THE DEPARTMENT FROM FEBRUARY 1, 1894, TO FEBRUARY 1, 1895.

Number of scales 5,000 lbs. to 80 tons tested	. . . 632
“ dormants less than 5,000 lbs. “	. . . 424
“ portable platforms tested	. . . 3,485
“ butchers' scales “	. . . 209
“ spring balances “	. . . 2,654
“ trip scales “	. . . 2,937
“ counter balances “	. . . 1,219
“ public weighers' scales “	. . . 2
“ beams or balances “	. . . 218
Total number of scales tested	. . . <u>11,780</u>

Number of scales tested and found correct . . . . .	9,079
“ “ “ “ adjusted before sealing,	1,680
“ “ “ “ tagged for repairs, and use forbidden . . . . .	751
“ “ that were repaired as ordered . . . . .	466
“ “ “ “ condemned . . . . .	<u>20</u>
Number of weights tested and found correct . . . . .	29,146
“ “ “ “ found light and ad- justed . . . . .	6,975
“ “ “ “ found heavy and adjusted . . . . .	1,249
“ “ “ “ condemned . . . . .	<u>149</u>
Total number of weights tested . . . . .	<u>37,519</u>
Number of dry measures tested and found correct . . . . .	7,243
“ “ “ “ “ adjusted . . . . .	97
“ “ “ “ “ condemned . . . . .	<u>14,415</u>
Total number of dry measures tested . . . . .	<u>21,755</u>
Number of wet measures, including milk cans, tested and found correct . . . . .	83,109
Number of wet measures, including milk cans, tested and adjusted . . . . .	4,599
Number of wet measures, including milk cans, tested and condemned . . . . .	<u>2,321</u>
Total number of wet measures, including milk cans, tested . . . . .	<u>90,029</u>
Number of yardsticks tested and found correct . . . . .	939
“ “ “ “ adjusted . . . . .	107
“ “ “ “ condemned . . . . .	<u>101</u>
Total number of yardsticks tested . . . . .	<u>1,147</u>
Number of charcoal-baskets tested and found correct . . . . .	21
Number of charcoal-baskets tested and condemned,	<u>2</u>
Total number of charcoal-baskets tested . . . . .	<u>23</u>

Number of brewers' grain-tubs tested and sealed,	12
Number of coal-baskets tested and found correct,	808
“ “ “ “ condemned .	14
Total number of coal-baskets tested . . .	<u>822</u>

The system of testing and sealing at their place of business gives general satisfaction. Many, however, object to the charges, and send their scales, etc., to this office, and in this way the following work has been done, which is included in the "operation of the department," and for which no fees are allowed.

The amount of work done in the office from February 1, 1894, to February 1, 1895, was as follows :

Scales of all descriptions tested . . . . .	2,308
Weights tested . . . . .	7,279
Dry measures tested . . . . .	2,394
Wet measures, including milk cans, tested . . . . .	83,318
Yardsticks tested . . . . .	677
Charcoal-baskets tested . . . . .	13
Grain-tubs " . . . . .	12
Coal-baskets " . . . . .	812

#### RECAPITULATION.

Total number of scales tested from February 1, 1894, to February 1, 1895 . . . . .	11,780
Total number of weights tested from February 1, 1894, to February 1, 1895 . . . . .	37,519
Total number of dry measures tested from February 1, 1894, to February 1, 1895 . . . . .	21,555
Total number of wet measures, including milk cans, tested from February 1, 1894, to February 1, 1895 . . . . .	90,029
Total number of yardsticks tested from February 1, 1894, to February 1, 1895 . . . . .	1,147
Total number of charcoal-baskets tested from February 1, 1894, to February 1, 1895 . . . . .	23
Total number of grain-tubs tested from February 1, 1894, to February 1, 1895 . . . . .	12
Total number of coal-baskets tested from February 1, 1894, to February 1, 1895 . . . . .	822

## EARNINGS OF THE DEPARTMENT.

Total amount of earnings from February 1, 1894, to February 1, 1895 . . . . .	\$4,105 17
The amount due this department is . . . . .	580 18

Amount collected, which has been paid to the City Collector to be credited to the Depart- ment of Weights and Measures . . . . .	<u>\$3,524 99</u>
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INVENTORY OF PROPERTY IN THE SEALER'S OFFICE BELONG-  
ING TO THE CITY OF BOSTON, FEBRUARY 1, 1895.*Standard Avoirdupois Balances.*

1 balance and cabinet furnished by the Commonwealth to Suffolk County, in the custody of the Boston Sealer; capacity, 50 lbs.

1 balance, sensitive to  $\frac{1}{4}$  grain; capacity, 50 lbs.

1 " " "  $\frac{1}{10}$  " " " 16 lbs.

1 dormant, "  $\frac{1}{2}$  oz.; " 2,700 lbs.

One (1) platform, balance capacity 300 pounds, sensible to  $\frac{1}{4}$  oz.

1 balance for testing 50-lb. weights, sensible to 1 grain.

*Standard Troy Balances.*

1 bank gold balance, sensitive to  $\frac{1}{4}$  grain; capacity, \$10,000.

1 jewellers' " "  $\frac{1}{10}$  " " " 12 lbs.

1 apothecaries' " "  $\frac{1}{10}$  " " " 8 "

1 apothecaries' prescription balance, sensible to  $\frac{1}{1000}$  grain; capacity, 3 oz.

*Standard Metric Balance.*

1 short-beam analytical balance, with aluminum beam, bows, and pans; agate bearings, with adjustable shelf for supporting beaker with water, when taking specific gravities, sensible to  $\frac{1}{20}$  of a milligram; capacity, 400 grams.

*Standard Avoirdupois Weights.*

1 set of steel weights, 5, 10, 20, 25, and 50 lbs.; 5 weights.

1 " brass " from 1 drachm to 4 " 12 "

(The above-named weights belong to Suffolk County.)

1 set of steel weights, 5, 10, 20, 25, and 50 lbs.; 5 weights.

1 " brass " from 1 drachm to 4 " 12 "



*Standard Troy Weights.*

1	box of gold weights, from \$1.00 to \$5,000 ;	17	weights.
1	“ “ “ “ 10 dwts. to 3,000 dwts. ;	11	“
1	“ “ “ “ 10 dwts. to 1,000 dwts. ;	9	“
1	“ “ “ “ 10 dwts. to 500 dwts. ;	9	“
1	“ “ “ “ $\frac{1}{2}$ dwt. to 500 dwts. ;	19	“
1	“ “ “ “ $\frac{1}{100}$ grain to 1,000 grains ;	23	“
1	“ “ “ “ $\frac{1}{100}$ grain to 240 grains ;	19	“
1	“ “ “ “ $\frac{1}{100}$ grain to 10 grains ;	10	“
1	“ “ “ “ $\frac{1}{100}$ grain to 10 grains ;	9	“
1	set of cup weights, “ $\frac{1}{4}$ oz. to 128 oz. ;	11	“
1	“ “ “ “ $\frac{1}{8}$ oz. to 16 oz. ;	8	“

*Metric Weights.*

1	box of weights, from 10 milligrams to 1 kilogram ;	21	weights.
1	“ “ “ “ 1 milligram to 100 grams ;	25	“
1	set of “ “ “ “ 50 kilograms to 200 kilograms ;	6	“
1	box containing 1 kilogram.		

*Apothecary Weights.*

1	box of weights, from $\frac{1}{2}$ scruple to 1 oz. ;	7	weights.
1	set “ “ “ “ “ “ 2 drachms ;	6	“

*Standard Measures of Length.*

- 1 metric metre.
- 1 U.S. Standard yard measure.

*Standard Dry Measures.*

- 1 set of iron measures, from 1 qt. to  $\frac{1}{2}$  bushel. (5 measures.) Suffolk County standards.
- 1 set of iron measures, from 1 qt. to  $\frac{1}{2}$  bushel. (5 measures.)

*Standard Liquid Measures.*

1 set of iron measures, from 1 gill to 1 gall. (6 measures.) Suffolk County standards.

1 set of iron measures, from 1 gill to 1 gall. (6 measures.)

*Duplicates of the Standard Weights and Measures, Working Sets.*

7 Sealer's try scales.

2 even balances.

8 boxes of brass weights, from  $\frac{1}{16}$  oz. to 4 lbs. (79 weights.)

1 set of steel weights, from 5 to 50 lbs. (5 weights.)

6 sets of brass hook weights, from 1 lb. to 16 lbs. (36 weights.)

148 U.S. standard 50-lb. weights.

1 box brass troy weights. (6 weights.)

1 set of apothecaries' weights, from 1 grain to 6 drachms. (21 weights.)

7 sets copper liquid measures, from 1 gill to 1 gall. (42 measures.)

2 three-gallon copper measures.

1 two-gallon copper measure.

28 copper dry measures, from 1 gill to 1 qt.

1 set of copper dry measures, from 1 qt. to  $\frac{1}{2}$  bushel. (5 measures.)

1 copper measure with nozzle,  $\frac{1}{2}$  bushel.

4 brass yardstick measures.

4 charcoal-basket measures.

*Horses, Wagons, Tools, etc.*

6 horses.

9 wagons.

3 pungs.

7 sets of harnesses.

Complete outfit for horses, wagons, etc., miscellaneous tools.

*Office Furniture.*

Safe, wardrobe-closet, umbrella-stand, chairs, 2 desks, work-benches, 2 clocks, counters, racks, stationery, water-cooler, 1 letter-press and stand.

During the present year great care has been given to the adjusting and condemning of improper scales, weights, and measures, as an examination of the year's work shows that of the weights tested at the office of this department there were  $57\frac{6}{10}$  per cent. adjusted; of the weights tested on the outside work there were  $12\frac{9}{10}$  per cent. adjusted; of the total amount of weights tested during the year there were  $21\frac{9}{10}$  per cent. adjusted; of the number of scales tested at the office of this department there were  $14\frac{3}{10}$  per cent. adjusted; of the number of scales tested on the outside work there were  $14\frac{2}{10}$  per cent. adjusted; of the total number of scales tested by this department there were  $14\frac{6}{10}$  per cent. adjusted; of the number of scales tested at the office of this department there were  $7\frac{9}{10}$  tagged for repair and use forbidden; of the number of scales tested on the outside work there were  $5\frac{9}{10}$  per cent. tagged for repairs and use forbidden; of the total number of scales tested by this department during the year there were  $6\frac{2}{10}$  per cent. tagged for repairs and use forbidden; and of the total number of dry measures tested there were  $66\frac{2}{10}$  per cent. condemned as unfit for use.

These condemned measures consisted principally in improper measures taken from street peddlers, mainly non-residents, and of undersized boxes purporting to hold a bushel of potatoes that were sent to this city to be used as bushel measures for the sale of produce in this city.

During the year several of the perpetrators of the above violations of the laws pertaining to scales, weights, and measures have been successfully prosecuted by this department.

An examination of the districts of the city shows that the percentage of adjusting and condemning of scales, weights, and measures is greater in the districts occupied by the poorer class of our population.

During the present year several disputes have arisen between the coal miners agents and the trade regarding deliveries of coal at tide water, in some instances shortages as high as seventy tons being claimed. All such claims as were referred to this department, I am pleased to say, were in every instance adjusted to the satisfaction of both the seller and purchaser, thus saving reputable citizens unnecessary expense.

Respectfully submitted,

MICHAEL D. COLLINS,

*Sealer of Weights and Measures.*





ANNUAL REPORT  
 OF THE  
 SINKING-FUNDS DEPARTMENT,  
 FOR THE YEAR 1894-95.

BOARD OF COMMISSIONERS OF SINKING-FUNDS,  
 CITY HALL, April 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: The Board of Commissioners of Sinking-Funds have the honor of presenting the following report, showing the transactions during the year ending January 31, 1895:

Amount of cash in treasury Jan. 31, 1894 . . . . .	\$3,912,497 40	
Receipts during the year . . . . .	3,859,602 59	
		\$7,772,099 99
Payments during the year . . . . .	6,275,546 27	
		\$1,496,553 72
Amount of cash Jan. 31, 1895 . . . . .	\$1,496,553 72	
Total amount of invest- ments Jan. 31, 1894 . . . . .	\$16,569,800 00	
Investments purchased dur- ing the year . . . . .	4,568,800 00	
		\$21,138,600 00
<i>Carried forward,</i>	\$21,138,600 00	\$1,496,553 72

<i>Brought forward,</i>	\$21,138,600 00	\$1,496,553 72
Investments matured during the year	1,035,000 00	
	<u>                    </u>	20,103,600 00
Amount of funds Jan. 31, 1895		<u>\$21,600,153 72</u>

With this report will be found the report of the Treasurer, the annual statement of the Board, showing debt and funds, and a statement covering the work for thirteen years, with the report of the examiner.

Respectfully submitted,

A. DAVIS WELD,  
*Chairman.*

CITY OF BOSTON, February 15, 1895.

*To the Board of Commissioners of Sinking-Funds of City of Boston:*

GENTLEMEN: The undersigned herewith presents his annual report as Treasurer of the Board of Commissioners of Sinking-Funds:

Balance of Cash Jan. 31, 1894.....			\$3,912,497 40
Received in 1894-95:			
Interest on Bank Deposits .....		\$60,137 30	
" " Investments.....		732,801 77	
" " Sterling Debt, redeemed in London.....		116,136 27	
Revenue from Betterments, etc.....		20,722 63	
" " Sales of City Lands.....		6,500 00	
" " Laying Out and Construction of Highways.....		59,823 33	
Premium on Loans negotiated.....		302,615 00	
Revenue from Cochituate Water-Works:			
For Debt Requirements.....	\$229,380 00		
" Excess of Income, 1894-95 .....	68,138 29		
		297,518 29	
Investments matured.....		1,035,000 00	
Appropriation for Debt, 1894-95.....		1,228,348 00	
			3,859,602 59
Disbursed in 1894-95:			
City Treasurer:			
For redemption of matured debt.....	\$1,705,870 43		
Cost of redemption of debt in London.....	875 84		
		\$1,706,746 27	
Investments purchased.....		4,568,800 00	
			6,275,546 27
Cash balance Jan. 31, 1895.....			\$1,496,553 72

RESOURCES OF THE SINKING-FUNDS, JANUARY 31, 1895.

Sinking-Fund.	Cash.	Investments.	Total resources.
Consolidated Street Improvement.....	\$15,703 53	\$1,944,400 00	\$1,960,103 53
New Public Library, Special.....	7,302 53	287,000 00	294,302 53
Twenty Year .....	95,416 06	4,156,140 00	4,251,556 06
Ten Year .....	818,510 68	3,332,500 00	4,151,010 68
Public Park.....	85,329 42	585,000 00	670,329 42
Public Park, Special.....	191,170 50	860,100 00	1,051,270 50
Special Loans.....	17,895 16	198,000 00	215,895 16
Cochituate Water.....	129,313 55	8,315,460 00	8,444,773 55
Suffolk County Court House.....	55,851 57	205,000 00	260,851 57
Suffolk County, General.....	15,932 67	20,000 00	35,932 67
Laying Out and Construction of Highways.....	64,128 05	200,000 00	264,128 05
Rapid Transit .....			
Rapid Transit, Charlestown Bridge .....			
Moneys for reduction of debt .....			
	\$1,496,553 72	\$20,103,600 00	\$21,600,153 72

DEBT LIABILITIES OF THE SINKING-FUNDS JANUARY 31, 1895.

Classification of debt.	Liabilities, Jan. 31, 1894.	Debt issued in 1894-95.	Debt paid in 1894-95.	Liabilities, Jan. 31, 1895.
Consolidated Street Improvement.....	\$2,144,936 38		\$154,370 43	\$1,990,565 95
* New Public Library, Special.....		\$149,500 00		1,849,500 00
Burnt District.....	704,500 00		704,500 00	
Twenty Year.....	12,012,325 00	2,499,800 00	675,000 00	13,837,125 00
Ten Year .....	6,638,500 00		70,000 00	6,554,500 00
Public Park.....	1,935,000 00	700,000 00		2,649,000 00
* Public Park, Special.....	5,000,000 00	2,000,000 00		8,200,000 00
* Special Loans.....	4,150,000 00			1,250,000 00
Cochituate Water .....	17,055,273 98	706,000 00		17,761,273 98
Mystic Water .....	102,000 00		102,000 00	
Suffolk County Court House.....	2,881,000 00	40,000 00		2,921,000 00
Suffolk County, General.....	64,000 00			64,000 00
Laying Out and Construction of Highways .....	1,000,000 00	500,000 00		1,500,000 00
Rapid Transit .....		50,000 00		50,000 00
Rapid Transit, Charlestown Bridge .....		10,000 00		10,000 00
	\$53,687,535 36	\$6,655,300 00	\$1,705,870 43	\$58,636,964 93

\* Transfers were made from Special Loans, Sinking-Fund Debt, as follows:  
 To new public library, special sinking-fund debt.....\$1,700,000  
 " public park, special sinking-fund debt ....., 1,200,000  
 Total amount transferred.....\$2,900,000

SINKING-FUND RESOURCES, JANUARY 31, 1895.

Cash deposited in Banks and Trust Companies, January 31, 1895.	
NATIONAL BANKS.	
Atlantic .....	\$17,790 46
Atlas .....	26,665 20
Blackstone.....	19,156 55
Boston .....	29,697 45
Boylston .....	26,625 36
Carried forward .....	\$119,935 02

<i>Brought forward</i> .....		\$119,935 02	
Broadway .....		9,240 54	
Bunker Hill.....		15,109 79	
Central .....		49,295 98	
Columbian .....		11,382 96	
Continental .....		31,780 96	
Everett .....		8,236 89	
Faneuil Hall.....		17,141 97	
First .....		33,331 18	
First Ward.....		7,461 14	
Fourth.....		8,229 46	
Freemans .....		9,976 64	
Lincoln .....		52,052 04	
Manufacturers .....		4,863 52	
Market .....		121,955 33	
Massachusetts.....		6,513 32	
Metropolitan .....		9,043 20	
Monument .....		10,015 58	
Mount Vernon.....		9,771 32	
National Bank of the Commonwealth.....		15,644 84	
“ “ “ North America.....		174,473 36	
“ City Bank.....		5,393 31	
“ Eagle Bank.....		16,555 33	
“ Exchange Bank.....		17,548 30	
“ Hide and Leather Bank.....		20,544 73	
“ Market Bank of Brighton.....		7,577 77	
“ Rockland Bank.....		10,705 54	
“ Security Bank.....		10,595 63	
“ Union Bank.....		17,167 11	
“ Webster Bank.....		64,699 14	
New England.....		37,366 26	
North .....		16,488 56	
Peoples .....		8,425 62	
Second.....		31,326 36	
Shawmut .....		36,805 53	
Shoe and Leather.....		15,439 42	
State.....		68,446 73	
Third .....		17,026 80	
Tremont .....		20,107 28	
Winthrop .....		8,417 88	
<b>TRUST COMPANIES.</b>			
American Loan and Trust Company.....		36,580 10	
Boston Safe Deposit and Trust Company.....		38,205 48	
International Trust Company.....		37,300 68	
Massachusetts Loan and Trust Company.....		38,396 82	
Mercantile Loan and Trust Company.....		16,697 76	
New England Trust Company.....		40,056 34	
Old Colony Trust Company.....		37,844 40	
Merchants National Bank.....		32,241 00	
Cash in Treasurer's hands.....			\$1,428,415 43
			68,138 29
Investments, January 31, 1895:			
City of Boston 5% Bonds.....	\$124,000 00		
“ “ “ 4% “.....	9,112,600 00		
“ “ “ 3½% “.....	1,834,000 00		
“ “ “ 3¼% “.....	109,000 00		
“ “ “ 3% “.....	898,000 00		
		\$12,077,600 00	
Cochituate Water 6% Bonds .....	\$3,802,000 00		
“ “ “ 4% “.....	2,431,000 00		
“ “ “ 3½% “.....	400,000 00		
“ “ “ 3% “.....	200,000 00		
		6,833,000 00	
County of Suffolk 4% Bonds .....	\$496,000 00		
“ “ “ 3% “.....	697,000 00		
		1,193,000 00	
			20,103,600 00
Total resources, January 31, 1895 .....			<u>\$21,600,153 72</u>



INVESTMENT ACCOUNT.			
Amount of Investments on hand, Jan. 31, 1894..		\$16,569,800 00	
Purchased in 1894-95:			
City of Boston Loans, 4% .....	\$3,388,800 00		
" " " Temporary Loan in anticipa- tion of taxes.....	500,000 00		
Cochituate Water, 4% Loans.....	640,000 00		
County of Suffolk, 4% Loans.....	40,000 00	4,568,800 00	
			\$21,138,600 00
Matured in 1894-95:			
City of Boston Loans.....	\$518,000 00		
" " " Temporary Loan .....	500,000 00		
Suffolk County Loans.....	17,000 00		
			1,035,000 00
Amount of Investments, Jan. 31, 1895 .....			\$20,103,600 00

## STATEMENT

OF THE CASH RECEIPTS AND DISBURSEMENTS OF ALFRED T. TURNER, TREASURER OF THE BOARD OF COMMISSIONERS OF SINKING-FUNDS OF THE CITY OF BOSTON, FROM JULY 16, 1881, TO JANUARY 31, 1895, INCLUSIVE.

Amount of Cash received from C. H. Dennie, Treasurer, July 16, 1881.....			\$1,365,928 20
Cash receipts:			
July 16, 1881, to April 30, 1882.....		\$3,696,475 98	
May 1, 1882, " " 30, 1883.....		4,955,195 84	
" 1, 1883, " " 30, 1884.....		4,997,400 18	
" 1, 1884, " " 30, 1885.....		4,291,180 57	
" 1, 1885, " " 30, 1886.....		3,418,975 23	
" 1, 1886, " " 30, 1887.....		4,663,236 32	
" 1, 1887, " " 30, 1888.....		4,229,152 62	
" 1, 1888, " " 30, 1889.....		6,388,433 83	
" 1, 1889, " " 30, 1890.....		4,859,304 01	
" 1, 1890, " " 30, 1891.....		6,040,412 79	
" 1, 1891, " Jan. 30, 1892.....		8,854,593 85	
Feb. 1, 1892, " " 31, 1893.....		10,163,938 71	
" 1, 1893, " " 31, 1894.....		8,825,587 89	
" 1, 1894, " " 31, 1895.....		3,859,602 59	
			79,243,989 41
Cash disbursements:			\$80,609,917 61
July 16, 1881, to April 30, 1882.....		\$2,619,174 81	
May 1, 1882, " " 30, 1883.....		5,988,629 28	
" 1, 1883, " " 30, 1884.....		4,774,324 39	
" 1, 1884, " " 30, 1885.....		2,864,567 64	
" 1, 1885, " " 30, 1886.....		4,527,025 97	
" 1, 1886, " " 30, 1887.....		5,398,858 89	
" 1, 1887, " " 30, 1888.....		2,734,208 80	
" 1, 1888, " " 30, 1889.....		4,599,541 89	
" 1, 1889, " " 30, 1890.....		5,727,351 99	
" 1, 1890, " " 30, 1891.....		5,805,116 34	
" 1, 1891, " Jan. 31, 1892.....		6,157,852 45	
Feb. 1, 1892, " " 31, 1893.....		10,704,092 71	
" 1, 1893, " " 31, 1894.....		10,937,072 56	
" 1, 1894, " " 31, 1895.....		6,275,546 27	
			79,113,363 89
Cash Balance January 31, 1895 .....			\$1,496,553 72

Respectfully submitted,

ALFRED T. TURNER,

*Treasurer.*

CITY OF BOSTON,  
 BOARD OF COMMISSIONERS OF SINKING-FUNDS,  
 CITY HALL, March 27, 1895.

The Committee on Accounts of this Board, appointed to examine the Investments of the Sinking-Funds, having completed its examination, report that they find the amount of bonds stated by the Treasurer, viz., \$20,103,600, is correct.

JOSEPH H. GRAY,  
 SAMUEL JOHNSON.

BOARD OF COMMISSIONERS OF SINKING-FUNDS.

Samuel Johnson . . . .	term ends May 1, 1895.
Nathaniel J. Rust . . . .	term ends May 1, 1895.
A. Davis Weld, chairman . . . .	term ends May 1, 1896.
Joseph H. Gray . . . .	term ends May 1, 1896.
Henry R. Reed . . . .	term ends May 1, 1897.
Charles H. Allen . . . .	term ends May 1, 1897.

*Treasurer*, Alfred T. Turner.

*Secretary*, James H. Dodge.

REPORT OF EXAMINER.

BOSTON, March 26, 1895.

*To the Board of Commissioners for the Sinking-Funds,  
 City of Boston:*

GENTLEMEN: I have, by appointment to that end by you, made the annual examination of the books of the Treasurer of the Sinking-Fund Commissioners for the city of Boston, for the year ending with the 31st of January last (1895), and beg leave to report or render to you my certificate:

I have examined thoroughly every entry for the year; all footings, postings, balances, ledger accounts; in fact, every detail of all work done, revising critically every figure and every transaction, and following all into, through, and to the end of the report of Treasurer Turner to you; and I find everything strictly accurate, and in perfect form, and that the books have been kept, not only correctly, but with commendable neatness and style. As to the cash on hand belonging to the different funds, viz., \$1,496,553.72, that has been verified by personal application to each bank in which deposits rested at the close of business on said 31st January. I attach a list of said deposits.

As to the invested funds of the Commissioners, I do not reproduce here a list of them, as I have been accustomed to do in past years. These would be the very same as spread out in your treasurer's report, which I have already certified to as entirely correct. Such reproduction, I should say, would be quite superfluous and useless.

Very respectfully yours,

RODNEY McLAUGHLIN,

*Examiner.*

Account of moneys on deposit at close of business January 31, 1895, in the several banks as undermentioned, to the credit of the Sinking-Fund Commissioners of city of Boston :

Massachusetts National . . . . .	\$6,513 82
National Union . . . . .	17,167 11
State National . . . . .	63,446 73
New England National . . . . .	37,366 26
Tremont National . . . . .	20,107 28
Columbian National . . . . .	11,382 96
National Eagle . . . . .	16,555 33
National City . . . . .	5,393 31
North National . . . . .	16,488 56
Atlantic National . . . . .	17,790 46
Merchants National . . . . .	32,241 00
Market National . . . . .	121,955 33
Second National . . . . .	31,326 36
Atlas National . . . . .	26,665 20
Shoe and Leather National . . . . .	15,439 42
Shawmut National . . . . .	36,805 53
National Exchange . . . . .	17,548 30
National Bank of North America . . . . .	174,473 36
Faneuil Hall National . . . . .	17,141 97
National Webster . . . . .	64,699 14
Freemans National . . . . .	9,976 64
Boylston National . . . . .	26,625 36
Blackstone National . . . . .	19,156 55
Boston National . . . . .	29,697 45
National Hide and Leather . . . . .	20,544 73
First National . . . . .	33,331 18
Continental National . . . . .	31,780 96
Mt. Vernon National . . . . .	9,771 32
Third National . . . . .	17,026 80

*Carried forward,*

\$948,418 42

<i>Brought forward,</i>	\$948,418 42
Everett National . . . . .	8,236 89
National Security . . . . .	10,595 63
Broadway National . . . . .	9,240 54
National Bank of the Commonwealth . . . . .	15,644 84
Central National . . . . .	49,295 98
Manufacturers National . . . . .	4,863 52
Fourth National . . . . .	8,229 46
Metropolitan National . . . . .	9,043 20
Winthrop National . . . . .	8,417 88
Lincoln National . . . . .	52,052 04
Bunker Hill National . . . . .	15,109 79
First Ward National . . . . .	7,461 14
Monument National . . . . .	10,015 58
National Market Brighton . . . . .	7,577 77
National Rockland . . . . .	10,705 54
Peoples National . . . . .	8,425 62
American Loan and Trust Company . . . . .	36,580 10
Boston Safe Deposit and Trust Company . . . . .	38,205 48
International Trust Company . . . . .	37,300 68
Massachusetts Loan and Trust Company . . . . .	38,396 83
Mercantile Loan and Trust Company . . . . .	16,697 76
New England Trust Company . . . . .	40,056 34
Old Colony Trust Company . . . . .	37,844 40
	<hr/>
Total . . . . .	\$1,428,415 43
Cash in Treasurer's hands but deposited in Merchants National Bank, February 1, 1895 . . . . .	68,138 29
	<hr/>
	<u>\$1,496,553 72</u>



ANNUAL REPORT  
OF THE  
STREET DEPARTMENT,  
FOR THE YEAR 1894.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: In compliance with the Revised Ordinances, the annual report of the operations and expenses of the Street Department for the year 1894 is herewith respectfully submitted.

ORGANIZATION.

The work of the department during the past year has been carried on under the same organization that was effected when the consolidated department was created in 1891, the several divisions of the department being as follows:

The Central Office.  
Bridge Division.  
Paving Division.  
Sewer Division.  
Sanitary Division.  
Street-Cleaning Division.  
Boston and Cambridge Bridges.

Each of the above divisions, with the exception of the Central Office Division and the Boston and Cambridge Bridges, is in charge of a deputy superintendent.

The Boston and Cambridge Bridges are managed by two commissioners, the Superintendent of Streets being the commissioner for the city of Boston, the other commissioner being appointed by the Mayor of the city of Cambridge.

The work of street-watering, which devolves on the Street Department, is carried on under the supervision of the Paving Division, with a foreman of street-watering in charge.

This service could be more efficiently rendered if it were undertaken as a separate division with a responsible deputy superintendent in charge.

The principal features of the work of the year may be summarized as follows :

Paving with new blocks and regulating about 30 streets in various districts, improving about 50,000 square yards of paved roadway surface, and repaving numerous other streets.

Construction of Telford-macadam roadways on Commonwealth avenue, from Arlington street to Massachusetts avenue, and continuation of general construction on the same avenue, from the Crossroads to Brighton, amounting in all to about \$375,000 worth of work.

Setting 52,706 lin. feet of new edgestone, and laying 19,615 square yards of new brick sidewalks.

Increasing our asphalt pavements by about 10,500 square yards.

Rebuilding Chelsea-street bridge, including a new steel swing draw, and repairing Charles-river bridge.

Rebuilding bridge and draw over Fort Point channel in connection with the separation of grade of Dover street and the N.Y., N.H., & H. R.R.

Building 23 miles of sewers and building 226 catch-basins, repairing 445, and cleaning 6,913 others, removing therefrom about 20,000 cubic yards of filthy material.

Cleaning about 10,500 miles of streets, removing 95,478 loads of dirt.

Sprinkling about 330 miles of streets for nearly eight months.

Collecting and removing 326,798 loads of house dirt and ashes.

Collecting and removing 50,637 loads of house offal.

Building, under the Board of Survey Act, twelve macadam streets, at an expenditure of \$106,820, nine of which have been practically completed.

A perusal of the financial tables that follow shows that the department has expended for maintenance the sum of \$2,038,855.91, and that the total expenditures of the consolidated department, including special appropriations, have

been \$3,333,730.70. Of this amount, \$490,800.14 was spent on laying out and constructing new streets under chapter 323 of the Acts of 1891, as amended by chapter 418 of the Acts of 1892, known as the Board of Survey Act. Under this act, seven orders of laying out were passed near the close of the year to construct and complete which will involve an expenditure of nearly \$2,000,000, while the land damages are estimated at \$1,284,908.50 in addition.

They are :

Blue Hill avenue, from Washington street to Mattapan.

Huntington avenue, from Copley square to Brookline line.

Harvard avenue, from Commonwealth avenue to the Brookline line.

Turner street, from Haviland street to Astor street.

Sherborn street, from Commonwealth avenue to Charles river.

Commonwealth-avenue extension, from Chestnut Hill avenue to the Newton line.

Columbus avenue, from Northampton street to Walnut avenue at the Park.

As the total amount of money available under this act for the coming year is only \$1,921,357.41, of which \$70,000 is required for the Board of Survey, \$500,000 for sewers and streets begun, and \$1,284,908.50 for land damages, it is evident that only \$66,448.91 remains available for new construction.

The laying out of Columbus avenue, together with the raising of the grade of the Providence Division of the N.Y., N.H., & H. R.R., now in progress, again force upon the city the question of the final disposition to be made of Stony brook.

### STONY BROOK.

Between Centre street and Ritchie street, the open channel of Stony brook, 22 feet wide and 10 to 14 feet deep and 600 feet long, is included within the lines of Columbus avenue, crossing the location of the avenue twice. The least that can be done here is to arch over this channel before the avenue can be constructed, a work which will cause the expenditure of a large sum of money, and which will have to be destroyed within a few years to make way for the low-grade channel recommended by the Stony Brook Commission of 1886.

A wiser course would be to build here a section of the Commissioners' channel. At a point 500 feet south of the point where the brook channel leaves the avenue, near Ritchie street, the N.Y., N.H., & H. R.R., is now build-

ing a section of the Commissioners' channel, extending to a point 500 feet south of Boylston street, a distance of 2,300 feet, the engineers of the railroad, after consultation with the City Engineer and the Superintendent of Streets, having decided that this was the wisest course, when it had become evident that the raising of the grade of the Providence Division necessitated the filling in of the old channel. If the section of the Commissioners' channel is built as recommended between Centre and Ritchie streets, we shall then have two sections of the low-grade channel, one 600 feet long, the other 2,300 feet long, 500 feet apart, each drained by sections of the present channel, which is about 14 feet higher. The low-grade channels will therefore be filled at all times nearly to the crown of the arch with water, forming settling basins for the sand and mud of the brook, which will speedily fill them up.

The Commissioners' channel is now complete from Charles river, or more exactly from the ponds in the Back Bay Fens, to the Inlet Chamber near Pyncheon street. This will have to be extended in the near future to join the section of channel between Centre and Ritchie streets, and this in its turn to join the section now being built by the N.Y., N.H., & H. R.R.

The Commissioners in 1886 recommended that in extending the channel above the Inlet Chamber, the original course of the brook be followed; that is, alongside the railroad as far as Old Heath street. But the experience of the city in 1880 may prove a valuable guide upon this point. The Superintendent of Sewers at that time, under whose direction the improvement of 1880-84 was begun, found that the damages demanded for land and buildings were so excessive that he was forced to build the channel in Pyncheon street.

The experience would doubtless be repeated now. But, in addition to this, unless the channel is built immediately the N.Y., N.H., & H. R.R. will have erected here a retaining-wall about 19 feet high, carrying their four-track road; this will add so enormously to the difficulty and cost of excavating a trench 26 feet deep and 25 feet wide at its foot, that there cannot be any reasonable doubt that the city will be compelled to build this channel in Columbus avenue.

These considerations seem to make it evident that the extension of the low-grade channel from the Inlet Chamber up to join the section now being built by the railroad should precede the construction of Columbus avenue; otherwise shortly after surfacing this fine avenue the city will find itself forced to destroy it by excavating in it the enormous



trench required for this channel, — a trench 26 to 28 feet wide and 28 to 32 feet deep.

But any extension of the low-grade channel of Stony brook immediately calls up for solution two other knotty problems, which are inextricably bound up in it: one is the question of the rights of the Boston Belting Company to the water of the brook; the other is the question of providing a low-grade sewer for those districts in West Roxbury which are too low to be sewered by extensions of the existing sewer system there.

The Boston Belting Company use the water of the brook in their processes of rubber manufacture, and claim the right to it in virtue of an old mill-privilege. To extend the low-grade channel beyond the Inlet Chamber will cut off the water entirely from them unless some special device is adopted to cause the water to continue to flow down the old channel to their factory. Without attempting in this connection to discuss the relative rights of the Boston Belting Company and the city of Boston as to Stony brook, a discussion which would involve complicated legal points, it may be stated that there are three courses open to the city, if it be considered imperative or expedient to continue to supply the Belting Company with the water of the brook, viz.:

*A.* To erect a movable dam or large gate at the Inlet Chamber, damming up the water by means of it high enough to cause it to flow down the old channel in fair weather, and removing the dam during floods to allow an uninterrupted flow through the low-grade channel. This would require a damming up of  $13\frac{1}{2}$  feet.

*B.* To set up a pumping plant at the Inlet Chamber, and pump sufficient water up into the old channel to supply the factory.

*C.* To transfer the Inlet Chamber or a similar structure to the farthest point up stream to which the low-grade channel extends uninterruptedly, utilizing the existing channel to carry the Belting Company's supply between the Inlet Chamber and Centre street, and building an auxiliary channel from this point on, upon the haunch of the arch of Commissioners' channel.

If this latter scheme is adopted, arrangements should be made with the N.Y., N.H., & H. R.R. to build this auxiliary channel in connection with the section of the channel which they now have under construction, the city to pay the extra cost to the contractors.

There is time enough to make such arrangements as no more masonry will be built until spring.

The second problem mentioned above as connected with

the extension of the low-grade channel, viz., the building of a low-grade sewer for the Stony-brook valley, is simpler. There are about 500 acres of land in West Roxbury adjacent to the channel of the brook which is too low to be sewered by the existing system; some of it is being developed by new streets, and is being built upon. A sewer low enough to serve this territory can never be built half so cheaply as it can in connection with the building of this low-grade channel for the brook.

From the head of the Stony-brook branch of the intercepting system, at the corner of Elmwood and Linden Park streets to the Roxbury crossing, there is an unused 7-foot brick channel. From this point up to the Inlet Chamber the channel is only partially filled by the stream which is allowed to flow to the Belting Company. A sewer could be built cheaply here. From the Inlet Chamber up, a sewer could be built in the open channel as well as it could be below the Inlet Chamber, and one of the two 7 × 10 foot brick channels in Pynchon street would be available for it, even if the other were utilized for the auxiliary channel before mentioned. Above Centre street this sewer would have to be carried upon the haunch of the low-grade channel, and the same arrangement made with the railroad company in regard to building it as previously discussed in regard to an auxiliary channel.

These problems are so involved, each with the others, that this department and the city government should come to a decision in regard to them without delay, as the opportunity to build all that will be required in this narrow valley cheaply and without destroying previous costly work will never occur again.

The interests involved are serious enough, and the economy which can be affected is great enough to warrant obtaining the necessary funds by means of a special long-time loan outside the debt limit, if no other means are available.

The improvement of 1880-84 stopped at the Florence-street bridge, about a quarter of a mile north-easterly from Mount Hope station.

Private parties interested in Hyde Park lands have, during the past year, carried this improvement on up to the Hyde Park line, under an agreement with the city, they to do the work to the satisfaction of the City Engineer, and the city to pay them the sum of \$6,000; culverts at street-crossings have been rebuilt or underpinned where good enough, and the channel excavated to the theoretical grade

of the improvement of 1880-84, and to a width, substantially, of 10 feet.

Owing to the fact that this report covers a fiscal year, during which the department was in charge of another Superintendent, except for a small proportion of the time, it does not seem expedient or proper for me to enter into further discussion of the details of the work rendered possible and accomplished through his acknowledged ability and energy.

The report of the Executive Engineer, which follows, alludes in details to all the special features of the work of the year, and shows the force employed and the work undertaken, together with a valuable table of prices that obtained on a contract basis. Special attention might be called to the subjects of "Surface Drainage," "Street Cleaning," and "Smoke Nuisance."

In addition to this report, five appendices are herewith submitted, in which will be found the reports of the several Deputy Superintendents, showing the expenditures of each division in detail. They are as follows :

- Appendix A — Bridge Division.
- “ B — Paving Division.
- “ C — Sanitary Division.
- “ D — Sewer Division.
- “ E — Street-Cleaning Division.
- “ F — Former Superintendents and Document Numbers.

Respectfully submitted,

B. T. WHEELER,  
*Superintendent of Streets.*

BOSTON, February 1, 1895.

MR. BERTRAND T. WHEELER, *Superintendent of Streets*:

DEAR SIR: I herewith respectfully submit the fourth annual report of the operations and expenses of the Street Department since consolidation, the same being a full statement thereof for the year 1894:

### CENTRAL OFFICE DIVISION.

#### EXPENSES OF THE CENTRAL OFFICE.

For the current expenses of the Central Office the City Council appropriated the sum of twenty thousand dollars (\$20,000), to which was transferred from the Paving Division the sum of one thousand dollars (\$1,000), making a total of twenty-one thousand dollars (\$21,000), which was expended as follows:

Salaries . . . . .	\$17,236 67
General office expenditures . . . . .	3,647 62
	<hr/>
Total . . . . .	\$20,884 29

leaving a balance of one hundred fifteen dollars and seventy-one cents (\$115.71), which was transferred to the city treasury.

FINANCIAL STATEMENT OF THE STREET DEPARTMENT APPROPRIATION.

From February 1, 1894, to January 31, 1895.

MAINTENANCE.

APPROPRIATION.	Appropriations and Transfers during 1894.	Revenue.	Total Credits.	Expenditures for the twelve months ending January 31, 1895.	Balances January 31, 1895.
<b>Street Department:</b>					
Bridge Division . . . . .	\$130,787 21	.....	1 \$130,787 21	\$130,137 21	\$650 00
Boston and Cambridge Bridges . . . . .	12,000 00	.....	2 12,000 00	11,986 85	13 15
Central Office . . . . .	21,000 00	.....	3 21,000 00	20,884 29	115 71
Paving Division . . . . .	752,950 85	\$7,702 30	4 760,653 15	715,608 62	45,044 53
Sanitary Division . . . . .	467,459 02	.....	5 467,459 02	467,459 02	
Sewer Division . . . . .	322,133 40	.....	6 322,133 40	304,133 40	18,000 00
Street-Cleaning Division . . . . .	302,240 44	237 00	7 302,477 44	301,477 44	1,000 00
Street-Watering . . . . .	91,429 08	.....	8 91,429 08	87,169 08	4,260 00
<b>Totals . . . . .</b>	<b>\$2,100,000 00</b>	<b>\$7,939 30</b>	<b>\$2,107,939 30</b>	<b>\$2,038,855 91</b>	<b>\$69,083 39</b>
1 Appropriation 1894-5 . . . . .	\$125,000 00	.....	\$450,000 00	Appropriation 1894-5 . . . . .	\$100,000 00
Transferred from Paving Division . . . . .	5,787 21	.....	17,382 84	Transferred to Street-Cleaning Division . . . . .	\$8,000 00
	\$130,787 21	.....	76 18	Transferred to Sewer Division . . . . .	494 74
2 Appropriation 1894-5 . . . . .	\$12,000 00	.....	\$467,459 02	Transferred to Sanitary Division . . . . .	76 18
3 Appropriation 1894-5 . . . . .	\$20,000 00	.....	\$320,000 00	.....	8,570 92
Transferred from Paving Division . . . . .	1,000 00	.....	1,638 66	.....	\$91,429 08
	\$21,000 00	.....	494 74	.....	\$69,083 39
4 Appropriation for 1894-5 . . . . .	\$800,000 00	.....	\$322,133 40	.....	
Transferred from special appropriations for "blocks", and repaving for corporations . . . . .	7,702 30	.....	\$273,000 00	.....	
	\$807,702 30	.....	21,240 44	.....	
Transferred to Central Office . . . . .	\$1,000 00	.....	8,000 00	.....	
" Bridge Division, 5,787 21		.....	237 00	.....	
" Sewer Division, 1,638 66		.....	\$302,477 44	.....	
" Sanitary Division . . . . .	17,382 84	.....		.....	
" Street-Cleaning Division . . . . .	21,240 44	.....		.....	
	47,049 15	.....		.....	
	\$760,653 15	.....		.....	

\* Transferred to city treasury . . . . . \$69,083 39

## Paving Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances, and Transfers.	Expended from Feb. 1, 1894, to Jan. 31, 1895.	Balances on hand Jan. 31, 1895.
Arklow st. . . . .	\$1,600 00		\$1,600 00
Baker st., Ward 23 . . . . .	1,350 40	\$1,350 40	
Bellflower st. . . . .	3,000 00	3,000 00	
Blakeville st. . . . .	1,500 00	1,500 00	
Blue Hill ave., paving . . . . .	25,000 00	25,000 00	
Bond st. . . . .	1,091 18		1,091 18
Bumstead lane . . . . .	7,327 00	7,327 00	
Bunker Hill st. . . . .	3,200 00	372 15	2,827 85
Bushnell st. . . . .	2,000 00	2,000 00	
Charter st. . . . .	4,800 00	9 20	4,790 80
Commonwealth ave., construction . . . . .	301,815 55	<sup>1</sup> 301,624 47	191 08
Congress and L sts. . . . .	14,700 00	558 00	14,142 00
Cranston st. . . . .	568 75	568 75	
Dartmouth st., Boylston st. to Commonwealth ave.,	6,200 00	5,839 65	360 35
Day st., Ward 22, macadamizing . . . . .	7,500 00	7,500 00	
Fay st. . . . .	1,408 82	1,408 82	
Henchman st. . . . .	3,000 00		3,000 00
Lewis-st. extension . . . . .	2,500 00	1,834 79	665 21
Mill st. . . . .	2,000 00	2,000 00	
Millet st. . . . .	595 88	595 88	
Montview st. . . . .	1,273 05	1,273 05	
Mt. Vernon st., grade damages . . . . .	1,325 00	1,325 00	
Newport st. . . . .	1,904 12	1,904 12	
Oak st., Harrison ave. to Washington st. . . . .	3,313 18	3,313 18	
Park st., Charlestown . . . . .	1,138 23	1,138 23	
Preston st. . . . .	5,000 00	5,000 00	
Prince st., Hanover st. to N. Bennett ave. . . . .	3,500 00		3,500 00
Ruth st. . . . .	5,029 74	5,029 74	
Second st. . . . .	8,000 00	7,065 69	934 31
Talbot ave. . . . .	27,372 00	18,501 41	8,870 59
Thetford st. . . . .	3,000 00	3,000 00	
Utica st., Harvard st. to Kneeland st. . . . .	4,909 46	4,909 46	
<i>Carried forward</i> , . . . . .	\$456,922 56	\$414,949 19	\$41,973 37

<sup>1</sup> Draft of \$5,450.91 reserved.

Paving Division Specials. — *Concluded.*

OBJECT OF APPROPRIATION.	Appropriations, Balances, and Transfers.	Expended from Feb. 1, 1894, to Jan. 31, 1895.	Balances on hand Jan. 31, 1895.
<i>Brought forward</i> . . . . .	\$456,922 56	\$414,949 19	\$41,973 37
Utica st., Kneeland st. to Beach st. . . . .	794 28	794 28	
Van Rensselaer place . . . . .	450 00	450 00	
Warren st., Soley st. to Winthrop st., asphaltng . . . . .	600 00		600 00
Washington st., Ward 25 . . . . .	38,000 00	6,848 88	31,151 12
Whiting st. . . . .	2,135 00	2,135 00	
Totals . . . . .	\$498,901 84	\$425,177 35	\$73,724 49

## Street Improvements.

OBJECT OF APPROPRIATION.	Appropriations, Balances, and Transfers.	Expended from Feb. 1, 1894, to Jan. 31, 1895.	Balances on hand Jan. 31, 1895.
Street Improvements, Aldermanic District No. 1 . . . . .	\$12,200 00	\$12,200 00	
Street Improvements, Aldermanic District No. 2 . . . . .	17,185 75	17,185 75	
Street Improvements, Aldermanic District No. 3 . . . . .	1,115 98	1,115 98	
Street Improvements, Aldermanic District No. 4 . . . . .	15,037 43	15,037 43	
Street Improvements, Aldermanic District No. 5 . . . . .	537 82	537 82	
Street Improvements, Aldermanic District No. 6 . . . . .	37,003 44	23,522 78	\$13,480 66
Street Improvements, Aldermanic District No. 7 . . . . .	3,346 29	3,346 29	
Street Improvements, Aldermanic District No. 8 . . . . .	10,169 29	10,169 29	
Street Improvements, Aldermanic District No. 9 . . . . .	32,513 88	32,513 88	
Street Improvements, Aldermanic District No. 11 . . . . .	15,267 04	15,267 04	
Street Improvements, Aldermanic District No. 12 . . . . .	1,890 69	1,890 69	
Street Improvements, Wards 1 and 2 . . . . .	12,470 26	10,498 69	1,971 57
Street Improvements, Ward 3 . . . . .	6,666 67	2,548 58	4,118 09
Street Improvements, Ward 4 . . . . .	6,666 67		6,666 67
Street Improvements, Ward 5 . . . . .	7,560 41	6,109 06	1,451 35
Street Improvements, Ward 6 . . . . .	7,000 00	4,849 02	2,150 98
Street Improvements, Ward 7 . . . . .	18,668 54	18,668 54	
Street Improvements, Ward 8 . . . . .	13,000 00	13,000 00	
Street Improvements, Wards 7 and 8 . . . . .	20,000 00	12,448 08	7,551 92
Street Improvements, Ward 9 . . . . .	5,000 00		5,000 00
Street Improvements, Ward 10 . . . . .	5,000 00	5,000 00	
Street Improvements, Wards 9 and 10 . . . . .	20,000 00	20,000 00	
Street Improvements, Ward 12 . . . . .	11,882 88	124 26	11,758 62
Street Improvements, Ward 14 . . . . .	14,500 00	11,303 45	3,196 55
Street Improvements, Ward 15 . . . . .	11,500 00	7,367 20	4,132 80
Street Improvements, Wards 17 and 18 . . . . .	30,000 00	12,341 94	17,658 06
Street Improvements, Wards 19 and 22 . . . . .	15,000 00	15,000 00	
Street Improvements, Ward 20 . . . . .	10,000 00	9,363 19	636 81
Street Improvements, Ward 21 . . . . .	11,765 00	11,765 00	
Street Improvements, Wards 23 and 25 . . . . .	30,000 00	25,000 23	4,999 77
Street Improvements, Ward 24 . . . . .	28,000 00	28,000 00	
Street Improvements, Ward 25 . . . . .	418 01	418 01	
Totals . . . . .	\$431,366 05	\$346,592 20	\$84,773 85

## Sewer Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances, and Transfers.	Expended from Feb. 1, 1894, to Jan. 31, 1895.	Balances on hand Jan. 31, 1895.
Boylston st., "Surface Drains" . . . . .	\$1,600 00	\$1,600 00	
Sewers, Brighton . . . . .	2,486 47	2,486 47	
Sewer outlet, East Boston . . . . .	1,800 00	1,800 00	
Sewer between Roslindale and W. Roxbury . . .	280 00	280 00	
Sewers, South Boston . . . . .	2,348 05	1,081 80	\$1,266 25
Stony-brook damages . . . . .	5,670 15	5,670 15	
Sewers, Ward 23, Washington st., etc. . . . .	591 29	591 29	
Totals . . . . .	\$14,775 96	\$13,509 71	\$1,266 25

## Bridge Division Specials.

OBJECT OF APPROPRIATION.	Appropriations, Balances, and Transfers.	Expended from Feb. 1, 1894, to Jan. 31, 1895.	Balances on hand Jan. 31, 1895.
Berwick-park foot-bridge . . . . .	\$5,115 17	\$5,115 17	
Boylston-st. bridge . . . . .	1,094 00	1,094 00	
Broadway bridge . . . . .	499 37	499 37	
Bridge improvements, Wards 12 and 13 . . . . .	501 77	501 77	
Chelsea-st. bridge, rebuilding . . . . .	30,000 00	11,585 08	\$18,414 92
Gold-st. bridge . . . . .	25,000 00		25,000 00
Totals . . . . .	\$62,210 31	\$18,795 39	\$43,414 92

## LAYING OUT AND CONSTRUCTION OF HIGHWAYS.

*Expenditures.*

Sewer construction . . . . .	<sup>1</sup> \$420,138 58
Street construction . . . . .	<sup>2</sup> 70,661 56
<b>Total . . . . .</b>	<b>\$490,800 14</b>

<sup>1</sup> Draft of \$441.10 reserved.<sup>2</sup> Draft of \$150 reserved.



### Recapitulation of Expenditures for the Twelve Months ending January 31, 1895.

OBJECT OF APPROPRIATION.	Current Ex- penses for the twelve months ending Jan. 31, 1895.	Special Appropriations.	Totals.
Street Department:			
Central Office . . . . .	\$20,884 29	. . . . .	\$20,884 29
Bridge Division . . . . .	130,137 21	\$18,795 39	148,932 60
Boston and Cambridge Bridges . .	11,986 85	. . . . .	11,986 85
Paving Division . . . . .	715,608 62	<sup>1</sup> 425,177 35	1,140,785 97
Sanitary Division . . . . .	467,459 02	. . . . .	467,459 02
Sewer Division . . . . .	304,133 40	13,509 71	317,643 11
Street-Cleaning Division . . . . .	301,477 44	. . . . .	301,477 44
Street-Watering . . . . .	87,169 08	. . . . .	87,169 08
Street Improvements . . . . .	. . . . .	346,592 20	346,592 20
Laying Out and Construction of Highways . . . . .	. . . . .	<sup>2</sup> 490,800 14	490,800 14
Totals . . . . .	\$2,038,855 91	\$1,294,874 79	\$3,333,730 70

<sup>1</sup> Draft of \$5,450.91 reserved.<sup>2</sup> Drafts of \$150 and \$441.10 reserved.

### Street-building under Chap. 323 of the Acts of 1891, as amended by Chap. 418 of the Acts of 1892.

STREET.	Paving.	Sewer.	Totals.
Arundel st., Mountfort st. to Beacon st. . . . .	\$3,048 26	\$564 24	\$3,612 50
<sup>1</sup> Batavia st., St. Stephen st. to Parker st. . . . .	411 02	. . . . .	411 02
<sup>1</sup> Bay State road, Deerfield st. to Sherborn st. . . . .	3,589 90	416 43	4,006 33
<sup>1</sup> Deerfield st., Commonwealth ave. to Charles river .	2,658 19	130 28	2,788 47
Huntington ave., Copley sq. to Brookline line . . . .	10 25	. . . . .	10 25
Ivy st., St. Mary's st. to Mountfort st. . . . .	8,302 22	3,144 12	11,446 34
<sup>1</sup> Miner st., Beacon st. to Brookline branch B.& A.R.R.,	255 19	53 65	308 84
Mountfort st., Ivy st. to Audubon road . . . . .	4,367 24	1,520 75	5,887 99
Newbury st., Charlesgate West to Brookline ave. . .	<sup>2</sup> 14,686 86	9,267 63	23,954 49
Norway st., Falmouth st. to Massachusetts ave. . . .	151 35	1,561 43	1,712 78
Parker st., Westland ave. to Huntington ave. . . . .	21,805 37	18,516 18	40,321 55
Sherborn st., Commonwealth ave. to Charles river . .	10 75	195 28	206 03
St. Germain st., Massachusetts ave. to Turner st. . .	1,747 53	789 25	2,536 78
Turner st., Haviland st. to Astor st. . . . .	13 00	. . . . .	13 00
Totals . . . . .	\$61,057 13	\$36,159 24	\$97,216 37

<sup>1</sup> Built mainly in 1893.<sup>2</sup> Draft of \$150 reserved.

**Street-building under Chap. 462 of the Acts of 1892 and Chap. 439 of the Acts of 1894.**

STREET.	Paving.	Sewer.	Totals.
Boylston st., Boylston road to Brookline ave. . . . .	\$9,604 43	.....	\$9,604 43
Totals . . . . .	\$9,604 43	.....	\$9,604 43

**INCOME.**

Statement showing the amount of bills and cash deposited with City Collector for the year ending January 31, 1895, by the several divisions of the Street Department :

Central Office . . . . .	\$20 00
Paving Division . . . . .	17,268 41
Sewer Division . . . . .	196,727 81
Sanitary Division . . . . .	41,820 55
Street-Cleaning Division . . . . .	8,163 77
Bridge Division . . . . .	1,598 62
Street-Watering . . . . .	906 77
Boston and Cambridge Bridges . . . . .	597 81
	<u>\$267,103 74</u>

Statement showing the amount paid into the city treasury during the same period on account of the several divisions of the Street Department :

Central Office . . . . .	\$20 00
Paving Division . . . . .	52,836 10
Sewer Division . . . . .	106,317 20
Sanitary Division . . . . .	44,870 94
Street-Cleaning Division . . . . .	2,146 05
Bridge Division . . . . .	1,598 62
Street-Watering . . . . .	295 25
Boston and Cambridge Bridges . . . . .	597 81
	<u>\$208,681 97</u>

**List of Contracts from February 1, 1894, to January 31,  
1895, made by the Street Department.**

**Paving Blocks.**

CONTRACT.	Awarded to	Proposal rec'd.	Price per M.
Large paving-blocks, 300,000 . . .	Rockport Granite Co.,	March 15, 1894.	\$66 70

**Spruce Lumber.**

DISTRICT.	Awarded to	Proposal received.	Price per M ft. B. M.	Price for Planing per M ft.
East Boston . . . . .	John W. Leatherbee,	April 23, 1894.	\$15 75	\$1 00
Charlestown . . . . .	" " "	" " "	15 50	1 00
Brighton )	{ Curtis & Pope }	" " "	{ 15 38	{ 0 95
Roxbury )			{ 14 95	{ 0 95
City proper )			{ 14 45	{ 0 95

**Beach Gravel.**

DISTRICT.	Awarded to	Proposal received.	Price per ton.
City . . . . .	Hugh Farrell . . . . .	March 19, 1894.	\$0 59 delivered on wharves.

**Coal.**

CONTRACT.	Awarded to	Proposal received.	Price per ton, 2,240 lbs.
1,500 tons, Pumping Station, Dorchester . . . . .	C. H. Sprague & Son .	Mar. 10, 1894.	\$3 27
1,500 tons, Pumping Station, Dorchester . . . . .	H. G. Jordan & Co. . . (Incorporated.)	Aug. 14, 1894.	3 17

**Iron Castings.**

CONTRACT.	Awarded to	Proposal received.	Price per 100 lbs.
Iron Castings . . . . .	Mechanics' Iron Foundry Co. . .	March 23, 1894.	\$1 43

**Bridge-Strengthening, etc.**

CONTRACT.	Awarded to	Proposal received.	Price.
Abutments, Cottage Farm Bridge over B. & A. R.R.	Leavitt, Dailey, & Crockett . .	Feb. 8, 1894 . . .	\$40,150.50.
Iron railing, Boylston-street Bridge . . . . .	Boston Bridge Works . . . . .	Aug. 27, 1894 . . .	\$1,094.00.
Rebuilding Chelsea-street Bridge . . . . .	B. F. Nay & Co. . . . .	Aug. 15, 1894 . . .	\$15,064.00.
Furnishing iron draw, Chelsea-street Bridge . . . . .	Boston Bridge Works . . . . .	Sept. 4, 1894 . . .	\$8,450.00.
Repairing and strengthening Charles-river Bridge .	Trumbull & Ryan . . . . .	Aug. 28, 1894 . . .	* Prices below.
Sale, "up-stream" draw, Dover-street Bridge . . . .	Hammett & Son . . . . .	Nov. 8, 1894 . . .	\$150. Paid to the city.

\* (A) — Furnishing, driving, capping, etc., bents of piles, \$9.52 per pile.  
 (B) — Driving and securing in place each spurshore, \$8.00 per spurshore.  
 (C) — Putting on oak girders and brace, \$5 per piece.  
 (D) — Putting on 7 x 14 in. double girder-caps, \$40 per M ft. B.M.  
 (E) — Putting on stringers and bolsters, \$35 per M ft. B.M.

**Lease of Land, etc.**

CONTRACT.	Lessor.	Proposal received.	Price.
Flats and docks for public landing, East Boston . . .	East Boston Dry Dock Co. . . . .	July 10, 1894 . . .	\$250 per year, payable quarterly.
Land and wharf, Revere street . . . . .	James J. Costello . . . . .	Aug. 1, 1894 . . .	\$460.31 per month.

## Quarrying Stone.

CONTRACT.	Lessor.	Proposal received.	Terms.
Quarrying and removing stone from Tremont-street ledge . . . . .	W. P. Page . . . . .	Jan. 4, 1894 . . . .	\$0.55 per ton.
Quarrying and removing stone from Tremont-street ledge . . . . .	C. L. Perrin, Agent . . . . .	July 13, 1894 . . . .	\$0.33 per ton.
Quarrying and furnishing stone to Rosseter-street crusher . . . . .	John McMorrow . . . . .	June 10, 1894 . . . .	\$0.75 per ton.

## Removing Wall.

CONTRACT.	Awarded to	Proposal received.	Price.
Essex street, corner Lincoln street . . . . .	A. A. Elston . . . . .	Jan. 27, 1894 . . . .	\$1,425.00.

## Teaming Crushed Stone, etc.

CONTRACT.	Awarded to	Proposal received.	Price.
From Dimock-street crusher to Commonwealth avenue, between Beacon st. and Cottage Farm bridge . . . . .	H. P. Nawn . . . . .	June 26, 1894 . . . .	\$0.57 per ton.
Paving-blocks from Washington street, between Eliot and Boylston streets, to Commonwealth avenue, from Harvard avenue to Washington street . . . . .	Owen Doherty . . . . .	July 5, 1894 . . . .	\$0.16½ per sq. yd.

## Excavating and Removing Material.

CONTRACT.	Awarded to	Proposal received.	Price.
Arlington st., from Beacon to Marlboro' st. . . . .	J. J. Sullivan . . . . .	May 16, 1894. . . . .	(A) \$0.90 per cubic yard.
Commonwealth ave., north side, Arlington st. to Clarendon st. . . . .	F. H. Cowin . . . . .	July 13, 1894. . . . .	(A) \$0.80 per cubic yard.
Commonwealth ave., north side, Clarendon to Exeter st. . . . .	J. J. Sullivan . . . . .	July 13, 1894. . . . .	(A) \$0.97 per cubic yard.
Commonwealth ave., north side, Exeter to Gloucester st. . . . .	D. F. O'Connell . . . . .	July 13, 1894. . . . .	(A) \$0.93 per cubic yard.
Commonwealth ave., north side, Gloucester st. to Massachusetts ave. . . . .	Doherty & O'Leary . . . . .	July 13, 1894. . . . .	(A) \$0.80 per cubic yard.
Commonwealth ave., south side, Arlington st. to Clarendon st. . . . .	F. H. Cowin . . . . .	July 14, 1894. . . . .	(A) \$0.95 per cubic yard.
Commonwealth ave., south side, Clarendon st. to Ex- eter st. . . . .	Doherty & O'Leary . . . . .	July 14, 1894. . . . .	(A) \$0.89 per cubic yard.
Commonwealth ave., south side, Exeter st. to Gloucester st. . . . .	D. F. O'Connell . . . . .	July 14, 1894. . . . .	(A) \$0.99 per cubic yard.
Commonwealth ave., south side, Gloucester st. to Massachusetts ave. . . . .	J. J. Sullivan . . . . .	July 14, 1894. . . . .	(A) \$0.80 per cubic yard.
Dartmouth st., Boylston to Newbury st. . . . .	J. J. Sullivan . . . . .	Sept. 4, 1894. . . . .	(A) \$0.97 per cubic yard.
Massachusetts ave., south side, Washington to Albany st. . . . .	J. J. Sullivan . . . . .	Sept. 15, 1894. . . . .	(A) \$0.75 per cubic yard; (B) \$0.12½ per square yard.
Cambridge st., Joy st. to Bowdoin sq. . . . .	S. & R. J. Lombard . . . . .	Sept. 20, 1894. . . . .	(A) \$0.15 per cubic yard; (B) \$0.15 per square yard.
Charles st., Pinckney to Cambridge st. . . . .	P. O'Riordan . . . . .	Sept. 20, 1894. . . . .	(A) \$0.47 per cubic yard; (B) \$0.17 per square yard.
Albany st., Lehigh st. towards Broadway extension .	P. F. Lonergan . . . . .	Oct. 1, 1894. . . . .	(A) \$1.12 per cubic yard; (B) \$0.10 per square yard.

(A) — Earth excavating.

(B) — Removing old paving.

Filling.

CONTRACT.	Awarded to	Proposal received.	Price.
Commonwealth ave., south side, Brighton ave. to Harvard st. . . . .	M. Kiernan . . . . .	Oct. 29, 1894 . . .	\$0.83 per cubic yard.
75,000 cubic yards, more or less, Boylston road to Brookline ave. . . . .	J. O'Brien . . . . .	Nov. 21, 1894 . . .	\$0.62½ per cubic yard.

Granolithic Sidewalk and Curb.

CONTRACT.	Awarded to	Proposal received.	Price.
Sidewalk and gutter, Lyndhurst st. . . . .	Warner H. Jenkins Co. . . . .	Sept. 17, 1894 . . .	\$0.06 per sq. ft., sidewalk; \$0.20 per sq. ft., gutters.
Sidewalk and curb, Faulkner st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Sidewalk, \$0.06 per sq. ft.; curb, \$0.10 per lin. ft.
Harbor View st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Sidewalk, \$0.06 per sq. ft.; curb, \$0.10 per lin. ft.
Magnolia st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Sidewalk, \$0.06 per sq. ft.; curb, \$0.10 per lin. ft.
Romsey st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Sidewalk, \$0.06 per sq. ft.; curb, \$0.10 per lin. ft.
Tremlett st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Sidewalk, \$0.06 per sq. ft.; curb, \$0.10 per lin. ft.
Greenheys st. . . . .	Warner H. Jenkins Co. . . . .	Oct. 1, 1894 . . .	Curb, \$0.10 per lin. ft. In payment for sidewalk, the city furnishes the stone foundation.

**Garbage.**

CONTRACT.	Awarded to	Proposal received.	Price.
Treatment and final disposition . . . . .	New England Construction Co.,	July 25, 1894 . . .	\$2,500 per year for 20 tons daily, and \$0.25 per ton for each and every ton in excess of 20 tons.

**Collecting and Removing Ashes.**

CONTRACT.	Awarded to	Proposal received.	Price.
East Boston . . . . .	W. F. Hedrington . . . . .	Jan. 25, 1894 . . .	\$7,300 per year for two years.
South Boston, west of Dorchester st. and Old Colony R.R. to old Dorchester boundary line . . . . .	Denis O'Sullivan . . . . .	Feb. 17, 1894 . . .	\$5,985 per year for two years.
Meeting-house Hill district . . . . .	John McShane . . . . .	Feb. 26, 1894 . . .	\$4,237.50 per year for two years.

**Collecting and Removing House-Offal.**

CONTRACT.	Awarded to	Proposal received.	Price.
Meeting-house Hill district . . . . .	John McShane . . . . .	March 17, 1894 . . .	\$8,000 per year for three years.

Terminated Jan. 21, 1895.



## Paving with Trinidad Asphalt.

CONTRACT.	Awarded to	Proposal received.	Price.
Barton court . . . . .	Barber Asphalt Paving Co. . . . .	May 16, 1894 . . . . .	\$2.25 per square yard.
Chambers st., Green to Poplar . . . . .	Barber Asphalt Paving Co. . . . .	May 16, 1894 . . . . .	\$2.25 per square yard.
Charter st., Unity to Hanover . . . . .	Barber Asphalt Paving Co. . . . .	May 16, 1894 . . . . .	\$2.25 per square yard.
Court sq. . . . .	Barber Asphalt Paving Co. . . . .	June 14, 1894 . . . . .	\$2.25 per square yard.
Dartmouth st., Boylston to Newbury . . . . .	Barber Asphalt Paving Co. . . . .	Sept. 8, 1894 . . . . .	\$2.25 per square yard.
Oxford st., Beach to Essex . . . . .	Barber Asphalt Paving Co. . . . .	Nov. 1, 1894 . . . . .	\$2.25 per square yard.

## Paving with Sicilian Rock Asphalt.

CONTRACT.	Awarded to	Proposal received.	Price.
Pemberton sq. . . . .	H. Gore & Co. . . . .	May 8, 1894 . . . . .	\$2.25 per square yard.
Mason st., about 180 ft. long . . . . .	H. Gore & Co. . . . .	May 25, 1894 . . . . .	\$2.25 per square yard.
Fay st. . . . .	H. Gore & Co. . . . .	July 26, 1894 . . . . .	\$2.25 per square yard.
Massachusetts ave., south side, Washington to Albany, Charles st., in front of Massachusetts Charitable Eye and Ear Infirmary . . . . .	H. Gore & Co. . . . .	Sept. 17, 1894 . . . . .	\$2.25 per square yard.
Ash st., Oak to Nassau . . . . .	H. Gore & Co. . . . .	Oct. 3, 1894 . . . . .	\$2.25 per square yard.
	H. Gore & Co. . . . .	Oct. 26, 1894 . . . . .	\$2.25 per square yard.

**Paving and Regulating.**

CONTRACT.	Awarded to	Proposal received.	Price.
Cambridge st., Joy st. to Bowdoin sq. . . . .	H. Gore & Co. . . . .	Oct. 3, 1894 . . . .	(A) \$0.90; (E) \$0.08; (F) \$0.18; (G) \$0.90.
Causeway st., Haverhill st. to Naahua st. . . . .	J. Grant & Co. . . . .	Oct. 3, 1894 . . . .	(A) \$0.90; (E) \$0.08; (F) \$0.18; (G) \$0.90.
Charles st., Pinckney st. to Cambridge st. (one side).	F. H. Cowin . . . . .	Oct. 3, 1894 . . . .	(A) \$0.90; (E) \$0.18; (F) \$0.28; (G) \$0.90.
Essex st., Harrison ave. to Kingston st. . . . .	Doherty & O'Leary . . . . .	Oct. 15, 1894 . . . .	(A) \$0.90; (E) \$0.08; (F) \$0.18; (G) \$0.90.
Essex st., Kingston st. to South st. . . . .	A. A. Libby & Co. . . . .	Oct. 15, 1894 . . . .	(A) \$0.90; (E) \$0.08; (F) \$0.18; (G) \$0.90.

EXPLANATION OF LETTERS.

A — Price per sq. yd. for laying granite blocks and pitching joints.  
 E — Price per lin. ft. for setting edgestones.  
 F — Price per sq. yd. for laying brick sidewalks.  
 G — Price per sq. yd. for laying flagging crosswalks and pitching joints.

**Retaining-Walls, etc.**

CONTRACT.	Awarded to	Proposal received.	Price.
Harcourt st. . . . .	J. S. Jacobs & Son . . . . .	Dec. 15, 1893 . . . .	\$1,974.00.
Across end of Follen st., and addition to wall on Berkeley Park . . . . .	Quimby & Ferguson . . . . .	June 19, 1894 . . . .	\$8,200.00.
Wall and steps, Ruth st. . . . .	Simpson Bros. . . . .	May 9, 1894 . . . .	(A) Material in wall, \$0.36 per cu. ft.; (B) Surfacing, \$0.10 sq. ft.; (C) Steps, \$1.15 per lin. ft.; (D) Platform, \$0.30 per sq. ft., including surfacing.

Furnishing and Laying Concrete Base.

CONTRACT.	Awarded to	Proposal received.	Price per cubic yard.
Pemberton sq. . . . .	Metropolitan Construction Company . . . . .	May 1, 1894 . . . . .	\$5.00
Dartmouth st., Boylston st. to Newbury st. . . . .	Metropolitan Construction Company . . . . .	Sept. 8, 1894 . . . . .	5.00
Mass. ave., south side Washington st. to Albany st. . . . .	Metropolitan Construction Company . . . . .	Sept. 17, 1894 . . . . .	5.00
Causeway st., in front of Union station . . . . .	Metropolitan Construction Company . . . . .	Sept. 20, 1894 . . . . .	5.00
Charles st., Pineknay st. to Cambridge st. . . . .	Metropolitan Construction Company . . . . .	Oct. 2, 1894 . . . . .	5.00
Cambridge st., Joy st. to Bowdoin sq. . . . .	Metropolitan Construction Company . . . . .	Oct. 4, 1894 . . . . .	5.00
Harrison ave., Essex st. towards Beach st. . . . .	Metropolitan Construction Company . . . . .	Oct. 4, 1894 . . . . .	5.00

Street-Building under New Law, Chap. 323, Acts of 1891, as amended by Chap. 418, Acts of 1892.

CONTRACT.	Awarded to	Proposal received.	Prices.
Constructing and regulating a Macadam roadway in Newbury st., Charlesgate west to Brookline ave. . . . .	F. H. Cowin . . . . .	June 6, 1894 . . . . .	(A) \$0.35; (C) \$0.54½; (D) \$2.00; (E) \$0.92; (G) \$1.07; (J) \$4.00; (M) \$1.17.
Constructing and regulating a Macadam roadway in Arundel st., Beacon st. to Mountfort st. . . . .	H. Gore & Co. . . . .	Sept. 5, 1894 . . . . .	(A) \$0.25; (C) \$0.20; (D) \$2.35; (E) \$0.30; (G) \$1.05; (J) \$4.00; (M) \$1.20.
Constructing and regulating a Macadam roadway in Ivy st., St. Mary's st. to Mountfort st. . . . .	J. Grant & Co. . . . .	Sept. 5, 1894 . . . . .	(A) \$0.25; (C) \$0.19; (D) \$2.32; (E) \$0.25; (G) \$1.10; (J) \$4.50; (M) \$0.95.
Constructing and regulating a Macadam roadway in Mountfort st., Audubon road to Ivy st. . . . .	H. Gore & Co. . . . .	Sept. 5, 1894 . . . . .	(A) \$0.25; (C) \$0.20; (D) \$2.35; (E) \$0.30; (G) \$1.05; (J) \$4.00; (M) \$1.20.

**Telford-Macadam Roadway (Chap. 323). — Continued.**

CONTRACT.	Awarded to	Proposal received.	Price.
Parker st., Huntington ave. to Westland ave. . . . .	Doherty & O'Leary . . . . .	Aug. 7, 1894 . . . . .	(A) \$0.37; (E) \$0.67; (C) \$0.49; (D) \$2.06; (F) \$0.87; (G) \$0.95; (J) \$3.85.
Extension filling . . . . .	Doherty & O'Leary . . . . .	Aug. 7, 1894 . . . . .	(M) \$1.00; (N) \$1.10.
St. Germain st., Massachusetts ave. to Dalton st. . . . .	Quimby & Ferguson . . . . .	Oct. 27, 1894 . . . . .	(A) \$0.30; (B) \$0.11; (C) \$0.20; (D) \$2.00; (F) \$0.20; (G) \$1.00; (J) \$4.00; (M) \$0.95.

**EXPLANATION OF LETTERS.**

- A — Prices per cu. yd. for grading and preparing roadways and sidewalks.
- B — Price per sq. yd. for furnishing and placing Telford base (see footnote).
- C — Price per sq. yd. for furnishing and placing the crushed stone and binder (see footnote).
- D — Price per sq. yd. for furnishing blocks and paving gutters (see footnote).

On Arundel, Ivy, and Mountfort streets the crushed stone, binder, and edgestones were furnished by the city.  
On St. Germain street the Telford base, crushed stone, binder, and edgestones were furnished by the city.

**Sewer Construction under Chap. 323, Acts of 1891, as amended by Chaps. 418 and 402, Acts of 1892.**

CONTRACT.	Awarded to	Proposal received.	Prices.
Sewer and connections, Newbury st., Charlesgate west to Brookline ave. . . . .	Metropolitan Construction Co.	April 17, 1894 . . . . .	(A) \$2.19 per lin. ft. earth excavation and refill for 30 X 36 in. brick sewer; (D) \$1.95 per lin. ft. 12-in. pipe sewer, excavation and refill included; (E) \$0.45 per lin. ft. 12-in. pipe catch-basin, drain excavation and refill included; (F) \$0.85 per lin. ft. 10-in. pipe catch-basin, excavation and refill included; (G) \$0.85 per lin. ft. 6-in. pipe house drain, excavation and refill included; (M) \$4.65 per cu. yd. brick masonry, American cement mortar; (N) \$4.65 per cu. yd. brick masonry, Portland cement mortar; (O) \$3.95 per cu. yd. concrete; (R) \$40.00 per M ft. B.M. spruce lumber; (V) \$0.15 per lin. ft. 8-in. pipe underdrain; (ZZ) \$4.75 per drop inlet, excavation and refill included; (AA) \$35.00 per catch-basin, excavation and refill included.

Sewer and connections, Parker st., Huntington ave. to Westland ave. . . . .	National Construction Co. . . . .	May 9, 1894 . . . . .	<p>(A) \$1.80 per lin. ft. earth excavation and refill for 30 × 36 in. brick sewer; (A) \$1.80 per lin. ft. earth excavation and refill for overflow manhole; (C) \$1.00 per lin. ft. 18-in. pipe sewer, excavation and refill included; (C) \$1.00 per lin. ft. 20-in. iron pipe connection with Stony-brook culvert; (D) \$1.02 per lin. ft. 15-in. pipe sewer, excavation and refill included; (E) \$1.01 per lin. ft. 12-in. pipe sewer, excavation and refill included; (F) \$0.37 per lin. ft. 12-in. pipe catch-basin drain excavation and refill included; (G) \$0.50 per lin. ft. 10-in. pipe catch-basin, drain excavation and refill included; (H) \$0.40 per lin. ft. 6-in. house drain, excavation and refill included; (K) \$20.00 per manhole; (M) \$5.00 per cu. yd. brick masonry, American cement mortar; (N) \$5.00 per cu. yd. brick masonry, Portland cement mortar; (O) \$4.50 per cu. yd. concrete; (R) \$38.00 per M ft. B.M. spruce lumber; (V) \$0.20 per lin. ft. 8-in. underdrain; (W) \$4.00 per spruce pile; (A.A) \$20.00 per catch-basin, excavation and refill included; (Z) \$12.00 per drop inlet, excavation and refill included.</p>
Sewer and connections, Ivy st., St. Mary's to Mountfort . . . . .	Quimby & Ferguson . . . . .	July 26, 1894 . . . . .	<p>(D) \$0.73 per lin. ft. 15-in. pipe sewer, excavation and refill included; (E) \$0.69 per lin. ft. 12-in. pipe sewer, excavation and refill included; (F) 0.47 per lin. ft. 6-in. pipe house drain, excavation and refill included; (F) \$0.47 per lin. ft. 10-in. pipe catch-basin, drain excavation and refill included; (K) \$35.00 per manhole; (A.A) \$40.00 per catch-basin, excavation and refill included.</p>
Sewer and connections, Arundel st., Beacon to Mountfort . . . . .	National Construction Co. . . . .	July 26, 1894 . . . . .	<p>(E) \$0.45 per lin. ft.; (A.A) \$40.00 each.</p>

**Sewer Construction under Chap. 323. — Concluded.**

CONTRACT.	Awarded to	Proposal received.	Price.
Sewer and connections, Mountfort st., Ivy to Audubon road . . . . .	Dennis O'Connell . . . . .	July 26, 1894 . . . . .	(D) \$0.70 lin. ft.; (E) \$0.45 lin. ft.; (K) \$82.00 each; (A.A) \$45.00 each.
Sewer and connections, Norway st., Ward 11 . . . . .	A. A. Libby . . . . .	Oct. 15, 1894 . . . . .	(D) \$0.69 lin. ft.; (E) \$0.45 lin. ft.; (K) \$30.00 each; (O) \$3.50 cu. yd.; (R) \$30.00 per M ft. B.M.; (A.A) \$40.00 each.

EXPLANATION OF LETTERS.

- (D) 12-in. pipe sewer, excavation and refill included.
- (E) 6-in. pipe house and 10-in. pipe catch-basin drain, excavation and refill included.
- (K) Manholes.
- (O) Concrete.
- (R) Spruce lumber.
- (A.A) Catch-basins, excavation and refill included.

**Sewer Construction under the General Law.**

CONTRACT.	Awarded to	Proposal received.	Price.
Sewer and connections, Mt. Vernon st., Ward 23 . . . . .	James Dolan . . . . .	Jan. 5, 1894 . . . . .	(C) \$1.20 per lin. ft.; (D) \$1.20 per lin. ft.; (K) \$40.00 each; (L) \$5.00 per cubic yard.
Sewer and connections, Starbridge st., River to Sanford . . . . .	Dennis O'Connell . . . . .	Jan. 5, 1894 . . . . .	(C) \$1.20 per lin. ft.; (K) \$35.00 each.
Sewer and connections, Sanford st., Ward 24 . . . . .	D. F. O'Connell & Co. . . . .	Jan. 5, 1894 . . . . .	(B) \$1.10 per lin. ft.; (D) \$1.10 per lin. ft.; (K) \$35.00 each.
Sewer and connections, Story st., G to H . . . . .	John W. Bowers . . . . .	Jan. 5, 1894 . . . . .	(D) \$1.00 per lin. ft.; (K) \$40.00 each.
Sewer and connections, Commonwealth ave., south side, Pleasant st. to a point 210 feet east of St. Paul st.,	Metropolitan Construction Co. . . . .	Jan. 23, 1894 . . . . .	(D) \$1.00 per lin. ft.; (K) \$40.00 each.

Sewer and connections, Commonwealth ave., 450 ft. east of Reedsdale st. to a point 500 ft. east of Malvern st. . . . .	Metropolitan Construction Co.	Feb. 3, 1894. . . . .	(D) \$1.10 per lin. ft.; (F) \$0.12 per lin. ft.; (K) \$40.00 each.
Sewer and connections, Hunneman st., Washington st. to Harrison ave. . . . .	John W. Bowers . . . . .	Feb. 9, 1894. . . . .	(C) \$1.25 per lin. ft.; (K) \$40.00 each.
Sewer and connections, Park st., W. Roxbury . . . . .	John W. Bowers . . . . .	April 30, 1894. . . . .	(D) \$1.35 per lin. ft.; (K) \$39.00 each; (L) \$4.50 per cu. yd.
Sewer and connections, Anawan ave., W. Roxbury . . . . .	John W. Bowers . . . . .	May 15, 1894. . . . .	(D) \$1.35 per lin. ft.; (K) \$39.00 each; (L) \$4.40 per cu. yd.
Sewer and connections, Centre st., Corey to Maple, W. Roxbury . . . . .	James Dolan . . . . .	June 30, 1894. . . . .	(C) \$1.25 per lin. ft.; (K) \$40.00 each; (L) \$4.00 per cu. yd.
Sewer and connections, Bellevue st., March ave. to end of existing sewer . . . . .	John W. Bowers . . . . .	July 2, 1894. . . . .	(D) \$1.10 per lin. ft.; (K) \$45.00 each; (L) \$5.00 per cu. yd.
Sewer and connections, Pond st., May to Avon, W. Roxbury . . . . .	W. T. Davis . . . . .	July 6, 1894. . . . .	(A) \$1.60 per lin. ft.; (C) \$1.40 per lin. ft.; (D) \$1.20 per lin. ft.; (K) \$35.00 each; (L) \$5.00 per cubic yard.
Sewer and connections, Maple st., W. Roxbury . . . . .	James Dolan . . . . .	Sept. 8, 1894. . . . .	(D) \$1.15 per lin. ft.; (K) \$40.00 each; (L) \$4.50 per cu. yd.
Sewer and connections, May st. . . . .	Thos. J. Young & Co. . . . .	Sept. 18, 1894. . . . .	(D) \$1.10 per lin. ft.; (K) \$38.50 each; (L) \$5.00 per cu. yd.
Sewer and connections, Stockton st., Ward 24. . . . .	Andrew Carberry . . . . .	Sept. 24, 1894. . . . .	(C) \$0.75 per lin. ft.; (L) \$3.75 per cubic yard.
Sewer and connections, Centre st., 700 ft. south from May st. to Lowder's lane, W. Roxbury . . . . .	Thos. J. Young & Co. . . . .	Oct. 5, 1894. . . . .	(D) \$1.10 per lin. ft.; (K) \$38.50 each; (L) \$5.00 per cu. yd.
Sewer and connections, Maple st., Weld st., to Station II, W. Roxbury . . . . .	James Dolan . . . . .	Oct. 24, 1894. . . . .	(C) \$1.30 per lin. ft.; (K) \$67.50 each; (L) \$5.00 per cu. yd.
Sewer and connections, Tremont st., Brighton . . . . .	Thos. J. Young & Co. . . . .	Oct. 24, 1894. . . . .	(C) \$1.25 per lin. ft.; (D) \$1.10 per lin. ft.; (K) \$40.00 each; (L) \$5.00 per cubic yard.
Sewer and connections, Washington st., Ashmont to Dunbar, Dorchester . . . . .	Dennis O'Connell . . . . .	Nov. 12, 1894. . . . .	(C) \$1.15 per lin. ft.; (K) \$38.00 each; (L) \$5.00 per cu. yd.
Sewer and connections, Pond st., Avon to Brookline ave. . . . .	James Dolan . . . . .	Dec. 3, 1894. . . . .	(D) \$1.15 per lin. ft.; (K) \$40.00 each; (L) \$5.00 per cu. yd.
Sewer and connections, Bigelow st., Ward 25 . . . . .	Thos. J. Young & Co. . . . .	Dec. 3, 1894. . . . .	(D) \$1.65 per lin. ft.; (K) \$50.00 each; (L) \$5.00 per cu. yd.
Sewer and connections, Bigelow st., Ward 25 . . . . .	Thos. J. Young & Co. . . . .	Dec. 21, 1894. . . . .	(E) \$1.10 per lin. ft.; (K) \$40.00 each; (L) \$5.00 per cu. yd.

**Sewer Construction under the General Law. — Concluded.**

CONTRACT.	Awarded to	Proposal received.	Price.
Sewer and connections, Weld st., Maple to Willow, W. Roxbury . . . . .	James Dolan . . . . .	Dec. 29, 1894 . . .	(C) \$1.50 per lin. ft.; (K) \$50.00 each; (L) \$5.00 per cu. yd.

EXPLANATION OF LETTERS.

- (A) — 24-in. pipe sewer, excavation and refill included.
- (B) — 18-in. pipe sewer, excavation and refill included.
- (C) — 15-in. pipe sewer, excavation and refill included.
- (D) — 12-in. pipe sewer, excavation and refill included.

- (E) — 10-in. pipe sewer, excavation and refill included.
- (F) — 6-in. pipe underdrain.
- (K) — Manholes.
- (L) — Rock excavation.

**Harvard Bridge.**

CONTRACT.	Awarded to	Proposal received.	Price.
Spruce lumber . . . . .	G. W. Gale Lumber Co. . . . .	Apr. 18, 1894 . . .	\$14.25 per M ft. B.M.
Replanking . . . . .	Josiah Shaw . . . . .	May 14, 1894 . . .	\$697.00.



## Miscellaneous Agreements.

CONTRACT.	Awarded to	Proposal received.	Price.
Pile driving, Morrison's Wharf, East Boston . . . . .	Nay & Ellis . . . . .	Mar. 17, 1894 . . . . .	\$2.50 each, driven outside of cap; \$2.75 each, driven inside of cap.
Deerfield st., sea-wall capstones . . . . .	Thos. A. Rowe . . . . .	Mar. 23, 1894 . . . . .	\$6.00 per lin. ft.
Deerfield st., sea-wall, iron railing . . . . .	G. T. McLauthlin & Co. . . . .	June 9, 1894 . . . . .	\$1.50 per lin. ft.
Three (3) street-sweeping machines . . . . .	Universal Street Sweeping Machine Co. . . . .	July 20, 1894 . . . . .	\$950 each and \$3 per day royalty.
Culvert, Preston st., Dorchester . . . . .	Patrick J. Lyons . . . . .	Aug. 30, 1894 . . . . .	\$700.
Berwick Park footbridge. Removing footbridge over B. & A. R.R. at Allison Station, and erecting same over N.Y., N.H., & H. R.R. at Berwick Park . . . . .	Boston Bridge Works . . . . .	July 30, 1894 . . . . .	\$1,700.
Paving with asphalt blocks, and regulating Derne st. . . . .	John Turner & Co. . . . .	Sept. 29, 1894 . . . . .	\$1.40 per sq. yd., laying asphalt blocks; \$0.25 per lin. ft. resetting edgestone; \$0.45 per sq. yd. relaying brick sidewalk.
Cable house on Congress-st. bridge . . . . .	Postal Telegraph Cable Co. . . . .	Dec. 7, 1894 . . . . .	\$100' per yr. paid to city.
Furnishing crushed stone to Park Department. . . . .	Street Department . . . . .	July 11, 1894 . . . . .	\$1.80 per ton.
Repairing Tremont st. bet. Cabot and Prentiss, bet. W. E. St. Ry. Co.'s tracks and westerly curb over trench of Brookline Gas Light Co. . . . .	. . . . .	Aug. 29, 1894 . . . . .	The Brookline Gas Light Co. agrees to pay to the city of Boston the sum of \$1,600 towards repaving this street.
Electric signals, "Draw open," City sq., Charlestown, . . . . .	Blodgett Bros. & Co. . . . .	Apr. 17, 1894 . . . . .	\$400.
Building culvert in City Yard, off Gibson st., Dorchester . . . . .	Horace Sias . . . . .	Nov. 8, 1894 . . . . .	\$3.63 per lin. ft.
Furnishing edgestone . . . . .	Commr's of Public Institutions, . . . . .	Mar. 31, 1894 . . . . .	\$0.65 lin. ft. on wharf.
Surface drainage on account of tracks of Norfolk Suburban Street Railway Company . . . . .	. . . . .	Nov. 15, 1894 . . . . .	\$500 paid to city of Boston by Norfolk Suburban Street Railway Company for doing this work.
Macadamizing, catch-basins, and sewer work on Codman st., for the N.Y., N.H., & H. R.R. Co. . . . .	. . . . .	Dec. 13, 1894 . . . . .	Work done by Street Department, but paid for by the N.Y., N.H., & H. R.R. Co.

Work done by the Street Department and paid for by the West End Street Railway Company.

STREET.	Proposal received.	Prices.
Paving with granite blocks (pitch joints) on a concrete base, Washington st., Boylston st. to Elliot st. . . . .	July 5, 1894 . . .	Large blocks, \$74.50 per M; concrete base, \$5.00 per cu. yd.; laying paving and pitching joints, \$0.90 per sq. yd.; furnishing and preparing gravel bed, \$0.15 per sq. yd.
Paving with granite blocks (pitch joints) on a concrete base, Causeway st., Haverhill st. to Nashua st. . . . .	Aug. 15, 1894 . . .	Large blocks, \$74.50 per M; concrete base, \$5.00 per cu. yd.; laying paving and pitching joints, \$0.90 per sq. yd.; furnishing and preparing gravel bed, \$0.15 per sq. yd.
Paving with granite blocks (pitch joints) on a concrete base, Charles st., Pinckney st. to Cambridge st. . . . .	Sept. 20, 1894 . . .	Small blocks, \$40.00 per M; concrete base, \$5.00 per cu. yd.; laying paving and pitching joints, \$0.90 per sq. yd.; furnishing and preparing gravel bed, \$0.15 per sq. yd.
Paving with granite blocks (pitch joints) on a concrete base, Cambridge st., Joy st. to Bowdoin sq. . . . .	Sept. 29, 1894 . . .	Small blocks, \$40.00 per M; concrete base, \$5.00 per cu. yd.; laying paving and pitching joints, \$0.90 per sq. yd.; furnishing and preparing gravel bed, \$0.15 per sq. yd.

Furnishing Telford Base (as ordered).

CONTRACT.	Awarded to	Proposal received.	Price per ton.
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	Alexander McMurtry . . . . .	Sept., 1894 . . . . .	\$1.15
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	H. P. Nawn . . . . .	Sept., 1894 . . . . .	1.15
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	Michael Kiernan . . . . .	Sept., 1894 . . . . .	1.15
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	Frank J. Hughes . . . . .	Sept., 1894 . . . . .	1.15
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	Cornelius McCool . . . . .	Sept., 1894 . . . . .	1.10
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	William Finneran . . . . .	Sept., 1894 . . . . .	1.10
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	William Gilligan . . . . .	Sept., 1894 . . . . .	1.10
Commonwealth ave., Arlington st. to Massachusetts ave. . . . .	James Killian . . . . .	Sept., 1894 . . . . .	0.81
Commonwealth ave., from Cross Roads to Cottage Farm bridge . . . . .	William Finneran . . . . .	Mar. 22, 1894 . . . . .	1.20
Commonwealth ave., from Cross Roads to Cottage Farm bridge . . . . .	H. P. Nawn . . . . .	Aug. 21, 1894 . . . . .	1.15
Commonwealth ave., from Cross Roads to Cottage Farm bridge . . . . .	James Killian . . . . .	Aug. 25, 1894 . . . . .	0.81
Commonwealth ave., from Cross Roads to Cottage Farm bridge . . . . .	A. McMurtry . . . . .	Nov. 21, 1894 . . . . .	0.85

## EMPLOYMENT OF LABOR.

During the year ending February 1, 1895, 24 applications were made upon the Civil Service Commission for 28 employees of various grades, and 45 names were submitted by them, of which number 27 were given employment in the several divisions.

Of the 24 applications 3 were for promotions, two being allowed by the Civil Service Commission.

The rule of the Civil Service classifying bridge engineers and assistants went into effect October 1, 1894, and upon October 29, 1894, the names, rates of wages, etc., of the 17 persons so employed in the Bridge Division were forwarded to the Civil Service Commissioners. During the year 21 persons were transferred to this department from other city departments, and notices of 94 discharges from the department rolls were sent to the Commission.

The department records show that there are 2,434 persons eligible for employment in the various divisions, and of that number 2,100 were upon the pay-rolls ending January 24, 1895.

The following table shows the classification of all employees of the Street Department as at present organized :

### Grade and Number of Employees in the Street Department.

TITLE.	DIVISIONS.						Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street-Cleaning.	Bridge.	
Superintendent . . . . .	1						1
Deputy superintendents . . . . .		1	1	1	1	1	5
Executive engineer . . . . .	1						1
Purchasing agent and assistant . . . . .	2						2
Clerks . . . . .	1	8	5	4	1	1	20
Foremen . . . . .		12	11	4	11	3	41
Sub-foremen . . . . .		26	9	6	12	3	56
Inspectors . . . . .		6	19				25
Civil engineers . . . . .		2	3				5
Draughtsmen . . . . .			10				10
Transitmen . . . . .			2				2
Levelmen . . . . .			5				5
Rodmen . . . . .			13				13
Aids and tallymen . . . . .		2		8			10
Blacksmiths and assistants . . . . .		17	1	1	2		21
Bracers . . . . .			13				13
Bridge cleaners . . . . .						4	4
Boys . . . . .			24			2	26
Calker . . . . .						1	1
Captain . . . . .				1			1
Carpenters and assistants . . . . .		17	7		2	20	46
Coal-passers . . . . .			6				6
Draw-tenders . . . . .						21	21
Assistant draw-tenders . . . . .						33	33
Deck-hand . . . . .			1				1
Dumpers . . . . .				16	7		23
Engineers and assistants . . . . .		13	16			17	46
Feeders . . . . .				3			3
Firemen . . . . .			6				6
Gatemen . . . . .			4				4
<i>Carried forward . . . . .</i>	5	104	156	44	36	106	451

Grade and Number of Employees, etc. — *Concluded.*

TITLE.	DIVISIONS.						Total.
	Central Office.	Paving.	Sewer.	Sanitary.	Street-Cleaning.	Bridge.	
<i>Brought forward</i> . . . . .	5	104	156	44	36	106	451
Harness-makers . . . . .		2		3			5
Helpers . . . . .				171	61		232
Horse-shoers . . . . .				3			3
Hostlers . . . . .			2			1	3
Janitors . . . . .			2				2
Laborers . . . . .		389	329		149	1	868
Ledgemen . . . . .			3				3
Machinists . . . . .			2				2
Masons (stone and brick) . . . . .			31				31
Mason's tender . . . . .			1				1
Mate . . . . .			1				1
Measurers . . . . .		3					3
Messengers . . . . .	2	5	5	6	3	4	25
Oilers . . . . .			5				5
Patch pavers and assistants . . . . .		34					34
Painters . . . . .			1	2		6	9
Pilot . . . . .			1				1
Pipe-layers . . . . .			3				3
Plank-drivers . . . . .			2				2
Powdermen . . . . .		3					3
Riggers . . . . .			2				2
Stablemen . . . . .		11	4	7	6		28
Steam-drillers . . . . .		6					6
Steward . . . . .			1				1
Stone-cutters . . . . .		13	4				17
Store-keeper . . . . .			1				1
Teamsters . . . . .		67	11	153	62	2	295
Watchmen . . . . .		11	12	4	2	4	33
Welghers . . . . .		3					3
Wharfingers . . . . .		4	1				5
Yardmen . . . . .		5	2	12	3		22
Totals . . . . .	7	660	582	405	322	124	2,100

## COMPLAINTS.

The following is a complete list of all the complaints entered on the complaint book at this office since February 1, 1894:

Whole number of complaints . . . . .	131
Divided as follows :	
Paving Division . . . . .	5
Sewer Division . . . . .	4
Sanitary Division . . . . .	97
Bridge Division . . . . .	0
Street-Cleaning Division . . . . .	8
Street-Watering Division . . . . .	17
	-----
Total . . . . .	131

BRIDGE DIVISION.

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The Northern District headquarters are located on Warren bridge, and there is ample room in the building and pier which is occupied by them for such horses and teams as are necessary for the work, and storage capacity enough for such tools, blocking, gearing, etc., as are demanded in carrying on the repairs.

The territory covered by this district on general work embraces all the bridges under the charge of the Bridge Division from Winthrop to Watertown.

The headquarters of the Southern District are located on Foundry street, and comprise an office of limited size, which is also used as a storehouse in lieu of something better, and yard room under the bridge. During the process of strengthening Broadway bridge, for its use by the electric cars, the stable and storehouse belonging to this district were entirely demolished.

A part of a stable on Dorchester avenue was rented to tide over the intervening time during rebuilding, but action on permanent location was postponed from time to time because of certain propositions of land exchanges between the Board of Street Commissioners and the Old Colony Railroad officials.

These are still in abeyance, and it is to be hoped that in the near future a definite understanding will be arrived at, as the Southern District badly needs a building and land where they can have proper accommodations for an office, stable, and storehouse. As they are situated at the present time, they have no facilities.

The territory of this district reaches from the city proper to Milton, and covers all bridges south and east of the Charles river.

Both districts have telephone connections, and both forces can be concentrated quickly whenever it is necessary.

The most important of the tide-water bridges under the care of the Bridge Division are twelve (12) in number. Of these, Chelsea North, Chelsea South, Charles river, Warren, L street, Congress street, and Broadway are operated by steam-power. Two are equipped with electricity — Dover street, which has a General Electric motor, and Federal street, which has a Thompson-Houston motor.

Malden and Mt. Washington avenue are worked by hand-power, and Meridian street by horse-power.

During the rebuilding of Dover-street bridge, Broadway and Federal street were taxed to their uttermost, and required constant attention. Warren-street bridge, in point of travel of all kinds, is the most important of all the tide-water bridges in Boston.

The establishment of the Boston & Maine R.R. freight yards on the Charlestown side of the channel has augmented the traffic on this bridge greatly, and many times it has been called upon to do the work of both Charlestown bridges. Some idea can be gained when it is considered that during the closing of Charles-river bridge not less than ten thousand vehicles, not including car service, daily used that thoroughfare. All work done on this bridge, where travel is liable to be impeded, is performed on Sundays.

Charles-river bridge has been overhauled and repaired during the year, and will relieve somewhat the immense strain on Warren bridge. A new bridge cannot be too quickly decided upon. Work is progressing rapidly on the new bridge from Chelsea to Charlestown. Chelsea-street bridge from East Boston to Chelsea is nearing completion, and will be opened for travel in a few weeks.

Malden bridge is in poor condition. Travel is increasing in that direction, and the draw is very narrow, and the draw-piers are old and entirely too short. New electric signals for Warren bridge have been erected at City square, Charlestown, to show when the draw is open.

#### L-STREET BRIDGE.

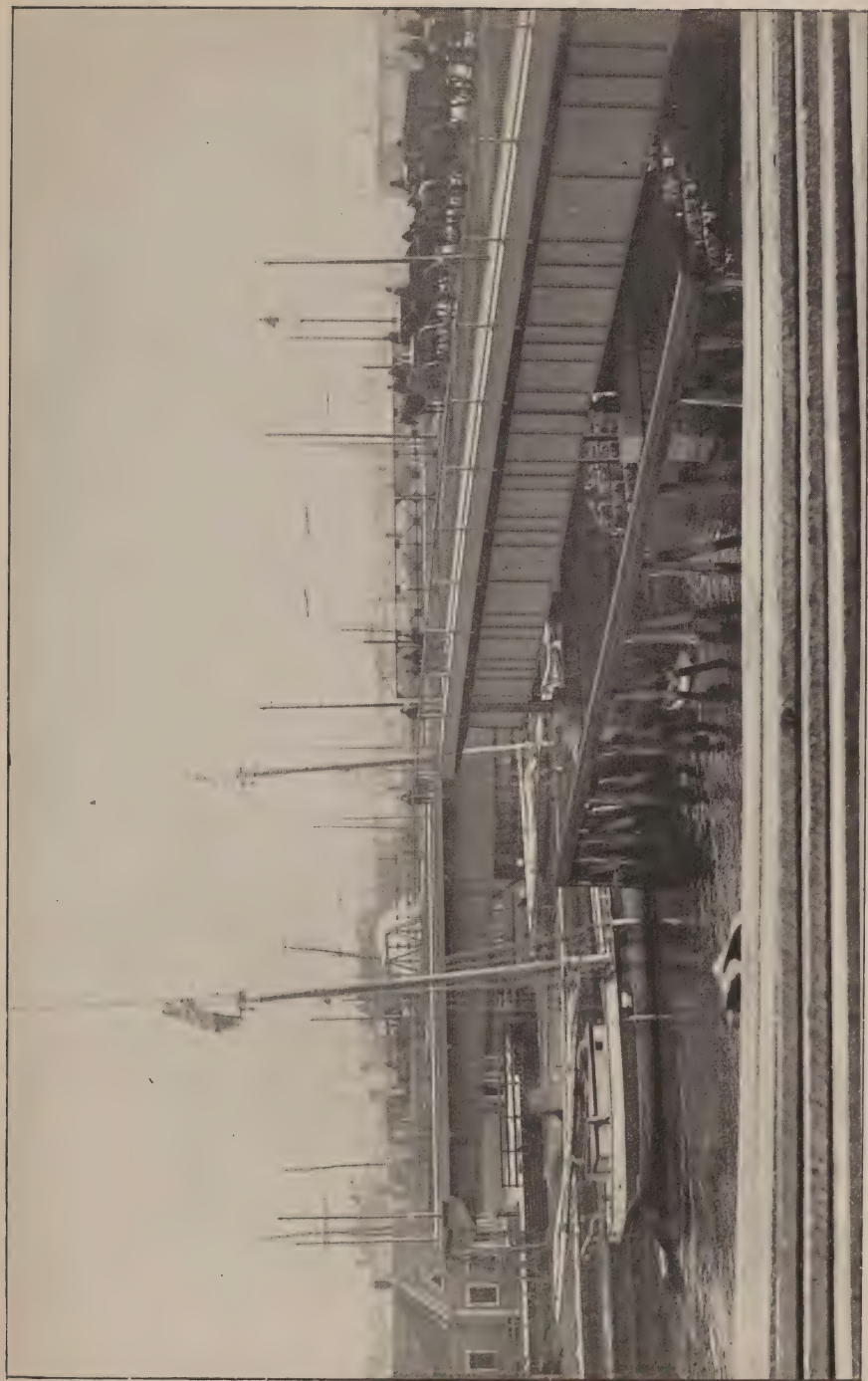
During the year the L-street bridge has been opened for travel at the urgent request of many people whose interests are in that direction. On account of the roadway on the Boston end of the bridge not being paved or graded, and being very uneven, and altogether in poor condition, and from the fact that the street was not lighted, it was deemed judicious to restrict the hours of accommodation for travel from sunrise to sunset. Under even these restrictions quite a traffic has developed because of the great saving of distance to those who desire to reach the vicinity of the terminus of the bridge. Steps should be taken to put the street in proper condition for travel.

A plank sidewalk has been constructed on the Boston side for the accommodation of foot-passengers.

#### CONGRESS-STREET BRIDGE.

This is a wooden pile bridge, built in 1874-5, with an iron turn-table draw on a masonry foundation. The under-flooring of the roadbed and sidewalks is in a very bad condition, decaying fast, and steps should be taken in the near





DOVER-STREET BRIDGE OVER FORT POINT CHANNEL. — (Draw Open.)



future for a removal of such parts of the structure. The importance of this bridge to the public can best be realized, and the demands that are required for its safety and accessibility can best be estimated, from the fact that over one and a half million vehicles of every description and weight traverse it yearly. To inconvenience the public as little as possible, all work required on this bridge that might interfere with travel is performed on Sunday. During the present year new steel boilers have been constructed and set in place of the original ones, which were badly used up from a twenty years' service.

#### DOVER-STREET BRIDGE.

The new structure here has been completed, and is open for travel. The draw is equipped with electricity, furnished by a General Electric motor of twenty-five horsepower. This is the second of Boston's bridges to be thus operated, and from a three years' observation of its use on Federal-street bridge, under all conditions, we can confidently expect the same highly satisfactory results.

The draw-tenders' house has been repaired and painted, and has been moved to a proper location. The draw piers of this bridge are inadequate and not properly located. Steps should be taken to build and extend a pier on the south-easterly side of the draw sufficient to aid navigation in safely passing through.

#### MT. WASHINGTON-AVENUE BRIDGE.

The draw piers of this bridge are in bad condition, and should be rebuilt. They are so low that at times they are totally submerged at high water, and consequently then are useless, and do not fulfil their mission. They should be raised as high as practicable. The rest of the bridge is in fair condition. The draw is of iron, and is the only one of importance in the city of Boston that still continues to be operated by hand-power.

#### BROADWAY BRIDGE.

The draw pier of this bridge is badly decayed, and should be rebuilt without delay. Constant care is required to keep it from collapsing, and a decided improvement would be a continuation of the new pier on the south side to meet the northerly pier of Dover street.

The bridge is in poor condition, and requires frequent inspection and attention. The report of the Deputy Superintendent (Appendix A) gives a detailed statement of expenditures, and amount of work done on each bridge, together with much other information of a useful nature.

## CAMBRIDGE BRIDGE DIVISION.

## CRAIGIE'S BRIDGE.

The sides of the waterway for the passage of vessels through the bridge have been planked with 3-inch spruce; a bulkhead near the draw has been rebuilt. A weak point near the Cambridge end of the bridge has been strengthened, fences have been repaired, the draw sheathed, sidewalks repaired, and other ordinary repairs made by the aid of the men employed on the bridge. The flooring of the sidewalks near the Cambridge end, and the bulkhead, are in bad condition, and will be rebuilt next season.

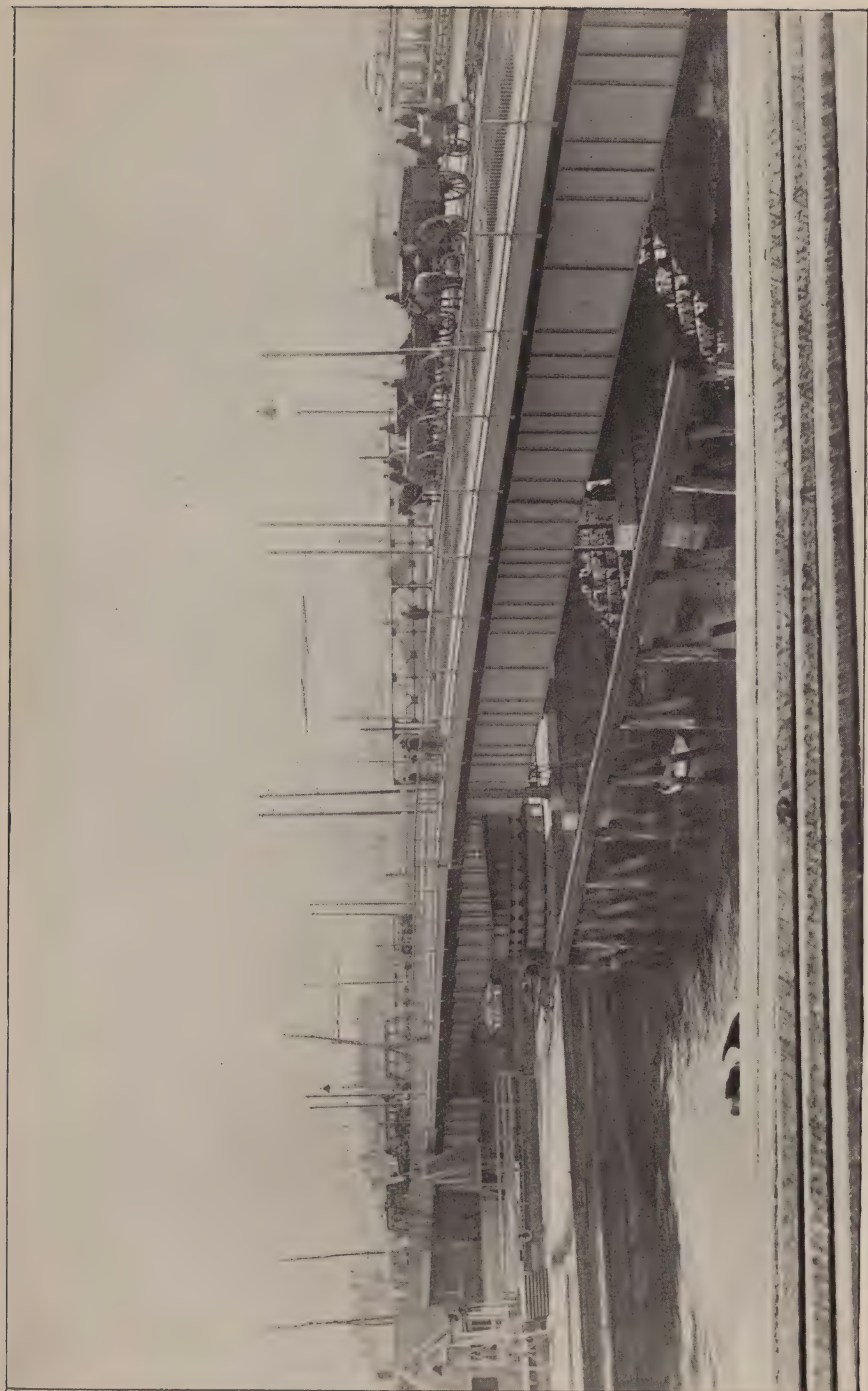
## HARVARD BRIDGE.

The entire surface plank of the bridge has been renewed without interruption to travel. The West End Street Railway Company replanked between the rails on both tracks for the entire length of the bridge. The draw-tender and his assistants keep the sidewalks free from snow, clean the globes on the electric lights, make all ordinary small repairs on the bridge, and assist in cleaning the roadway. Experience has shown that the roadway planking will have to be renewed as often as once a year. The asphalt sidewalks on the bridge have not given satisfaction, and will be renewed for the entire length of the bridge next year by the contractors. They were laid under a guarantee of maintenance for five years, and are to be left in good condition at the end of that time.

## PRISON-POINT BRIDGE.

The house occupied by the draw-tender has been painted inside and newly papered by the draw-tender. Only ordinary repairs, such as planking and sheathing, have been made on the bridge. The draw is in bad condition and needs a thorough repairing.

The question of abolishing the grade crossing on the Boston & Maine Railroad, which adjoins this bridge, is under discussion. If this should be accomplished by carrying the highway over the railroad, it would involve the rebuilding of the bridge. For this reason, only such repairs have been made as were absolutely necessary for safety.



DOVER-STREET BRIDGE OVER FORT POINT CHANNEL. — (Draw Closed.)



## WEST BOSTON BRIDGE.

The underplank of the draw has been partly renewed, part of the waterway on side of the pier has been replanked, spurshores and braces have been bolted and spiked to the piles to keep the bridge in line. The whole length of the bridge under the planking of the roadway has been examined, and strengthened where necessary. The bulkhead at the Boston end of the draw, which has been a source of trouble for some years, has been rebuilt. The work was done between 1 A.M. and 3 P.M., on Sunday, without interruption to travel.

The ordinary repairs, such as sheathing the draw, repairing fences, renewing plank on piers, paving, etc., have been attended to. Much of this work has been done by the draw-tender and his assistants.

## IN GENERAL.

The usual statement is appended of the number of draw openings and the number of vessels which passed through; also table showing the traffic over bridges on August 15.

The amount of revenue received for dockage, rents, repairs to West End Street Railway tracks, etc., during the year, has been \$1,195.62; one-half, \$597.81, has been paid to the city of Cambridge.

**Number of Times the Draws in Canal, Harvard, Prison Point, and West Boston Bridges have been opened, and the number of Vessels which have passed through, for the year ending Jan. 31, 1895.**

DATE.	Canal.		Harvard.		Prison Point.		West Boston.	
	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.	Number of Draw Openings.	Number of Vessels Passed Through.
February 1, 1894, to January 31, 1895.								
February, 1894.....	90	119	40	41	14	22	29	44
March.....	48	73	94	105	24	31	63	121
April.....	256	305	139	182	21	26	172	255
May.....	353	459	209	285	42	53	189	308
June.....	320	401	179	226	36	47	208	310
July.....	387	407	319	375	51	70	218	313
August.....	330	411	210	248	32	39	207	318
September.....	367	423	424	475	19	20	220	323
October.....	375	443	415	456	31	45	239	336
November.....	317	388	379	450	34	46	202	301
December.....	314	447	212	232	35	47	145	253
January, 1895.....	103	148	12	18	25	32	23	34
Totals.....	3,260	4,024	2,632	3,093	364	478	1,915	2,916

**Statement showing Traffic on Bridges.**

DATE. 1894.	Bridge.	Foot-Passengers.	Teams.	Cars.	Car Pas- sengers.	Bicycles
Aug. 15, 6 A. M. to 7 P. M.	Canal ... ..	6,682	5,045	492	12,570	104
	Harvard .....	2,115	2,771	346	9,109	1,350
	Prison Point.....	2,200	1,867	.....	.....	65
	West Boston.....	4,429	2,660	1,008	22,514	96
	Total.....	15,426	12,343	1,846	44,193	1,615



The following is a statement of the payments made by the city of Boston on account of the Canal, Harvard, Prison Point, and West Boston bridges, from February 1, 1894, to January 31, 1895 :

Amount of appropriation for financial years of 1894-95 . . . . .	\$12,000 00
Amount expended to January 31, 1895 . . . . .	11,986 85
Unexpended balance . . . . .	<u>\$13 15</u>

### Classification of Expenses.

1894.	Canal Bridge.	Harvard Bridge.	Prison-Point Bridge.	West Boston Bridge.	General Account.	Total.
Salaries of draw-tenders and assistants . . . . .	\$1,140 00	\$1,271 00	\$229 11	\$1,250 00	.....	\$3,890 11
Lumber . . . . .	371 10	1,236 63	84 62	367 77	.....	2,060 12
Electric lighting . . . . .	287 52	1,144 51	.....	517 49	.....	1,949 52
General repairs . . . . .	392 71	383 91	121 46	380 50	.....	1,278 58
Inspection . . . . .	180 00	157 50	30 00	135 00	.....	502 50
Cleaning bridges . . . . .	218 56	39 83	.....	218 79	.....	477 18
Ironwork . . . . .	124 44	149 52	45 37	78 78	.....	398 11
Sundries . . . . .	103 02	122 46	23 20	97 27	.....	345 95
Fuel . . . . .	134 31	13 46	.....	98 66	.....	246 43
Electric current for motor . . . . .	.....	150 00	.....	.....	.....	150 00
Watering roadways . . . . .	62 50	.....	.....	62 50	.....	125 00
Tools and hardware . . . . .	36 77	38 68	13 20	26 94	.....	115 59
Electric light, repairs, etc. . . . .	.....	50 18	.....	.....	.....	50 18
Water rates . . . . .	16 00	.....	5 50	11 00	.....	32 50
Salaries . . . . .	.....	.....	.....	.....	\$250 00	250 00
Travelling expenses . . . . .	.....	.....	.....	.....	67 50	67 50
Printing and stationery . . . . .	.....	.....	.....	.....	47 58	47 58
Totals . . . . .	\$3,066 93	\$4,757 68	\$552 46	\$3,244 70	\$365 08	\$11,986 85

## PAVING DIVISION.

The following table shows the length of public highways and the character of pavements, February 1, 1895 :

## Length in Miles.

	Sheet Asphalt.	Asphalt Blocks.	Block.	Brick.	Cobble.	Telford and Macadam.	Gravel.	Not graded.	Total.
In previous Report.	5.66	0.81	77.68	0.36	3.52	211.73	136.00	11.89	447.65
February 1, 1895.									
City Proper.....	5.26	0.85	*42.13	0.42	2.92	28.05	0.61	.....	80.24
Charlestown .....	0.03	.....	8.74	.....	.....	13.77	0.03	0.06	22.63
East Boston.....	.....	.....	4.38	.....	0.17	3.05	19.18	0.18	26.96
South Boston.....	0.53	.....	11.92	.....	0.05	22.09	1.88	4.03	40.50
Roxbury.....	0.37	.....	8.06	.....	0.01	55.81	14.04	3.03	81.32
W. Roxbury.....	.....	.....	0.09	.....	.....	32.92	41.25	2.17	76.43
Dorchester .....	.....	.....	3.47	.....	.....	47.23	33.24	2.08	86.02
Brighton.....	.....	.....	.....	.....	.....	16.97	18.87	2.18	38.02
Total .....	6.19	0.85	78.79	0.42	3.15	219.89	129.10	13.73	452.12

NOTE. — The above districts refer to areas enclosed by the original boundary lines.  
\* Of this amount 2.70 miles = granite-block paving on concrete with pitched joints.

Total length of public streets, 452.12 miles.

There have been laid out and accepted by the Street Commissioners during the year 6.19 linear miles ; many square feet have been discontinued without changing the mileage ; 1,208.61 linear feet have been discontinued ; corrections to previous measurements on account of abolishing grade crossings, and surrender of streets to the Park Department, show a decrease of 1.49 miles ; making a total net increase of 4.47 miles. Street widenings have been ordered to the extent of 1,025,329 square feet.

Not included in the above table, there are about 142 miles of private ways and alleys which are not under the care of this department.

The rate of increase from year to year is shown in the following table :

1859.....	111.50 miles.	1883.....	367.99 miles.
1871.....	201.32 "	1884.....	374.10 "
1872.....	207.4 "	1885.....	379.60 "
1873.....	209.24 "	1886.....	383.55 "
1874.....	313.90 "	1887.....	390.30 "
1875.....	318.58 "	1888.....	392.72 "
1876.....	327.50 "	1889.....	397.84 "
1877.....	333.2 "	1890.....	404.6 "
1878.....	340.39 "	1891.....	409.6 "
1879.....	345.19 "	1892.....	434.59 "
1880.....	350.54 "	1893.....	443.34 "
1881.....	355.5 "	1894.....	447.65 "
1882.....	359.85 "	1895.....	452.12 "

### Areas of Pavements.

The following table shows the areas of pavements in square yards, arranged by districts :

	Asphalt	Block.	Brick.	Cobble.	Telford and Macadam.	Gravel.	Not graded.	Totals.
Feb. 1, 1894.	111,147	1,677,451	3,638	41,706	3,877,758	2,245,034	219,128	8,175,862
Feb. 1, 1895.								
City Proper,	*107,113	†902,699	5,166	31,896	523,651	11,221	.....	1,581,746
Charlest'n..	421	197,366	.....	.....	205,112	161	1,413	404,473
E. Boston..	.....	100,361	.....	3,470	69,569	355,258	3,555	532,213
S. Boston..	7,620	251,619	.....	1,192	383,629	38,365	83,599	766,024
Roxbury ..	6,559	171,993	.....	408	1,005,520	228,745	94,280	1,507,505
W. Roxb'y.	.....	2,067	.....	.....	566,903	639,671	32,321	1,240,962
Dorchester,	.....	74,594	.....	.....	840,059	545,642	78,600	1,536,895
Brighton ..	.....	.....	.....	.....	403,356	306,397	80,909	790,662
Total ....	121,713	1,700,699	5,166	36,966	3,997,799	2,245,034	374,677	8,360,480

\* Of this amount, 14,208 sq. yds. = asphalt blocks.

† Of this amount, 54,121 sq. yds. = granite-block paving on concrete with pitched joints.

Total area of public streets, 8,360,480 sq. yds.

## Edgestones and Sidewalks—New Edgestones. (Lin. ft. set.)

YEAR.	City Proper.	Roxbury.	South Boston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Total.	
Laid under the law of 1872.	1881..	6,294	8,328	6,304	443	13,112	1,314	263	794	36,852
	1882..	3,398	10,930	4,190	2,119	8,235	5,454	5,543	1,595	47,464
	1883..	2,763	7,306	4,660	98	2,467	4,381	1,895	.....	21,570
	1884..	4,691	9,733	6,189	2,450	18,310	4,610	106	696	46,785
	1885..	5,291	4,644	2,538	1,333	4,976	1,952	303	546	21,583
	1886..	5,790	8,978	2,463	349	11,051	2,451	737	174	31,993
	1887..	3,222	10,192	4,269	436	5,229	2,726	2,055	223	28,352
	1888..	4,359	5,191	4,531	971	5,051	580	867	.....	21,550
	1889..	2,946	13,224	2,139	1,419	6,794	10,404	1,845	573	39,344
	1890..	2,781	11,475	4,946	981	9,882	3,288	3,042	988	37,383
	1891..	8,236	22,693	11,724	4,131	18,138	4,617	2,032	2,227	73,798
	1892..	9,222	25,506	9,631	11,238	36,859	9,970	9,001	2,804	114,231
	1893..	1,118	14,979	4,375	1,969	10,587	4,795	3,981	.....	41,804
	1894..	1,916	39,324	521	816	6,544	1,568	1,323	694	52,706
Total...	<b>62,027</b>	<b>192,503</b>	<b>68,480</b>	<b>28,753</b>	<b>157,235</b>	<b>58,110</b>	<b>32,993</b>	<b>11,314</b>	<b>611,415</b>	

## Brick Sidewalks. (Sq. yds. set.)

YEAR.	City Proper.	Roxbury.	South Boston.	East Boston.	Dorchester.	West Roxbury.	Brighton.	Charlestown.	Total.	
Laid under the law of 1872.	1881..	5,207	11,491	3,961	893	337	1,096	381	159	23,525
	1882..	5,905	7,510	4,984	1,658	179	1,834	117	887	23,074
	1883..	4,392	7,675	4,794	1,095	2,795	3,354	.....	177	24,282
	1884..	4,870	7,279	4,437	1,616	4,902	954	.....	739	24,797
	1885..	4,756	3,896	1,473	72'	892	479	46	342	12,606
	1886..	5,273	5,285	2,112	1,002	2,843	.....	58	527	17,100
	1887..	5,970	7,693	3,768	1,500	1,348	643	.....	56	20,978
	1888..	2,540	6,910	3,164	1,110	614	346	.....	75	14,759
	1889..	4,835	10,489	1,942	1,362	638	124	138	.....	19,528
	1890..	4,913	7,651	1,915	1,947	1,155	274	900	791	19,546
	1891..	3,881	9,098	3,623	2,176	1,478	967	377	120	21,725
	1892..	10,423	20,231	4,484	12,847	10,462	2,905	1,068	3,451	65,871
	1893..	964	5,912	751	2,197	2,412	350	.....	175	12,761
1894..	1,537	11,533	2,706	2,115	453	834	.....	437	19,615	
Total ..	<b>65,466</b>	<b>122,653</b>	<b>44,119</b>	<b>32,240</b>	<b>30,508</b>	<b>14,160</b>	<b>3,085</b>	<b>7,936</b>	<b>319,882</b>	

## Full List of Streets now Paved with Trinidad Asphalt.

## City Proper.

Name.		Length. Feet.	Area. Sq. yds.
Albany st. ....	From East Concord st. to East Springfield st.....	450	2,700
Arch st. ....	From Franklin st. to Milk st.....	426	1,267
Ash st.....	From Bennet st. to 220 ft. north of Oak st. ....	230	409
Barton court.....	From Brighton st. to Barton st.....	134	179
Beacon st. ....	From Charles st. through Arlington st.....	870	3,800
“ “ .....	From Dartmouth st., within 150 ft. of Gloucester st..	1,744	9,277
“ “ .....	From 68 ft. of Gloucester st. to Massachusetts ave....	1,019	5,391
Bennet st. ....	From 90 ft. west of Harrison ave. to 162 ft. east of Washington st.....	180	300
Brattle square.....	From Brattle st. to Elm st.....	281	670
Brighton st.....	From Leverett st. to Allen st. ....	845	1,737
Central st. ....	From Broad st. to Kilby st.....	313	869
Chambers st.....	From Green st. through Poplar st.....	460	1,050
Charter st. ....	From Hanover st. to Unity st. ....	318	636
Cherry st.....	From Washington st. to Shawmut ave. ....	334	594
Clark st. ....	From Hanover st. toward North st.....	120	227
Columbus ave.....	From B. & A. R.R. bridge through Massachusetts ave..	3,505	15,578
Congress square....	From State st. through P. O. ave.....	110	160
Cooper st.....	From North Margin st. to Endicott st. ....	166	516
“ “ .....	From Endicott st. to Charlestown st. ....	200	600
Court st.....	From Washington st. to Court square.....	231	642
Court square.....	From Court st. to Court st. ....	665	1,883
Davis st.....	From Washington st. to Harrison ave.....	323	646
Dartmouth st.....	From Boylston st. to Newbury st. ....	266	2,058
Doane st. ....	From Kilby st. to Broad st.....	312	624
Endicott st.....	From Cooper st. through Thacher st. ....	312	1,005
Exchange place ....	From Congress st. to Kilby st.....	244	678
Groton st.....	From Washington st. to Shawmut ave. ....	335	558
Hanover ave.....	From Hanover st. to North st. ....	307	266
Harrison ave. ....	From East Newton st. to East Springfield st. ....	.....	1,464
“ “ .....	From East Springfield st. to Roxbury line .....	.....	130
Hollis st.....	From Tremont st. toward Washington st.....	276	521
Hudson st.....	From Beach st. to 90 ft. of Curve st. .... (Minus Kneeland and Harvard sts.)	1,407	3,938
Indiana place ....	From Shawmut ave. to Washington st. ....	343	686
Kilby st.....	From State st. to Milk st.....	648	2,628
Malcolm st. ....	From Mt. Vernon st. to Chestnut st. ....	261	290

Streets Paved with Trinidad Asphalt. — *Concluded.*

## City Proper.

Name.		Length. Feet.	Area. Sq. yds.
Massachusetts ave..	From Tremont st. to Columbus ave., S'y road.....	534	1,621
“ “ ..	From Tremont st. to Shawmut ave. “ .....	940	2,934
“ “ ..	From Shawmut ave. to Washington st. “ .....	710	994
Moon st.....	From between North square and Fleet st.....	182	384
North Bennet st. ..	From Hanover st. to Salem st. ....	552	920
Parmenter st. ....	“ “ “ .....	279	764
Poplar st.....	From Chambers st. to Charles st. ....	1,188	2,442
Stillman st. ....	From between Salem st. to Endicott st. (on cobble)..	150	417
Stoddard st. ....	From Howard st. to Court st. (on cobble).....	135	150
Sun-court st.....	From North st. to Moon st.....	151	218
Taylor st.....	From Dwight st. to Milford st. ....	193	300
Thacher st. ....	From Charlestown st. to Endicott st. ....	203	562
Tileston st. ....	From between Hanover st. and Salem st. ....	254	338
Warrenton st.....	From Eliot st. to Tremont st. ....	670	1,587
“ “ .....	From Shawmut ave. to Washington st. ....	468	910
Water st. ....	From Congress st. through Batterymarch st.....	325	975
Wiggin st.....	From North Bennet st. to Tileston st.....	107	119

## South Boston.

D st.....	From West Fifth st. to Gold st.....	126	448
E st.....	From Third st. to Bolton st. ....	111	419
Rogers st.....	From Dorchester st. to Preble st.....	360	480
West Sixth st.....	From west of C st. toward D st.....	95	316
West Third st. ....	From west of E st. through E st.....	185	769

## Roxbury.

Cabot st.....	From Tremont st. to Vernon st. ....	1,955	6,559
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## Charlestown.

Austln st.....	From between Seminary place to Lawrence st.....	144	421
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**Streets Paved with Sicilian Rock Asphalt.  
City Proper.**

Name.		Length. Feet.	Area. Sq. yds.
Charles st. ....	From between Revere st. to Cambridge st. ....	191	225
Decatur st. ....	From Washington st. to Harrison ave. ....	370	781
Dwight st. ....	From Shawmut ave. to Tremont st. ....	716	781
Fay st. ....	From Dover st. to Harrison ave. ....	318	560
Mason st. ....	From point 213 feet south of West street, a distance of 231 feet southerly .....	231	480
Massachusetts ave..	From Washington st. to Albany, Southerly road (un- finished) .....	1,224	4,151
Motte st. ....	From Harrison ave. to Washington st. ....	332	516
Pemberton sq. ....	In front of Court House. ....	323	1,365

**South Boston.**

Athens st. ....	From B st. to C st. ....	515	746
W. Broadway. ....	From 206 ft. east of easterly line of Dorchester ave. to A st. ....	350	1,944
W. Broadway. ....	From Gardner pl. to 150 ft. east. ....	150	648

**Streets Paved with Granite Blocks, Pitch, and Pebble  
Joints, on an American Concrete Base.  
City Proper.**

Name.		Length. Feet.	Area. Sq. yds.
Bedford st. ....	From Chauncy st. to Columbia st. ....	480	1,650
Cambridge st. ....	From Bowdoin sq. through Joy st. ....	741	2,347
Causeway st. ....	From Nashua st. to Haverhill st. ....	692	3,807
Chardon st. ....	From Bowdoin sq. to Merrimac st. ....	738	2,578
Charles st. ....	From Beacon st. to Pinckney st. ..	964	3,856
“ .....	From Pinckney st. through Revere st., one side. ....	243	486
“ .....	From between Revere st. to Cambridge st. ....	411	844
Court st. ....	From Court sq. to Scollay sq. ....	100	267
Devonshire st. ....	From State st. to Milk st. ....	650	2,133
Eliot st. ....	From Washington st. to Pleasant st. ....	1,183	4,634
Exchange st. ....	From State st. to Dock sq. ....	335	589
Harrison ave. ....	From Beach st. toward Essex st. ....	338	2,146
India st. ....	From State st. to Central st. ....	126	921
Kingston st. ....	From Summer st. to Bedford st. ....	308	933
School st. ....	From Washington st. to Tremont st. ....	570	1,298
Tremont st. ....	From Scollay sq. to Boylston st. ....	2,826	12,075
Washington st. ....	From Cornhill through Elliot st. ....	3,504	12,967



The following statement of the City Engineer contains the main features of the special work of construction assigned to him by this department for engineering supervision :

CITY OF BOSTON, ENGINEERING DEPARTMENT,  
50 CITY HALL, January 31, 1895.

MR. B. T. WHEELER, *Superintendent of Streets* :

SIR: I herewith submit the following report of the work done under my direction for the Street Department during the year 1894.

The following are the principal items of work done :

Block-stone paving, on a concrete base, laid with pitch joints, 12,349.5 square yards, at an average cost of about \$4.75 per square yard.

Block-stone paving, on a gravel base, laid with pitch joints, 5,410 square yards, at an average cost of about \$3.50 per square yard.

Block-stone paving, on a gravel base, with gravel joints, 34,617 square yards, at an average cost of about \$3.00 per square yard.

Trinidad sheet asphalt, with a binder course of asphaltic cement concrete, on a concrete base, 4,577.6 square yards, at an average cost of about \$3.75 per square yard.

Sicilian rock asphalt, on a concrete base, 2,392.5 square yards, at an average cost of about \$3.75 per square yard.

Edgestone set, 48,678 lin. ft. ; brick sidewalk laid, 17,119 square yards ; flagging crosswalk laid, 2,361 square yards.

The following is a statement of the streets paved, for which plans were made, lines and grades given, and the work supervised :

*Albany Street.* — From Broadway to Lehigh street was paved with old granite blocks on a gravel base ; the blocks used were the best of those removed from Charles street, the street was sub-graded, and the gutters removed by P. F. Lonergan ; the paving, resetting of edgestone, and relaying of brick sidewalks was done by the Paving Division. The surface removed was macadam.

*Arlington Street.* — From Beacon to Marlborough street was paved with vitrified brick on a concrete base ; the street was sub-graded by J. J. Sullivan, the gutters removed by James Dolan ; the concrete base was put down and street paved by The Interstate Vitrified Brick and Paving Company, of New Jersey, at their own cost. The edgestones were reset and the brick sidewalk relaid by James Grant & Co. The surface removed was macadam.

*Austin Street* (Charlestown). — From Washington street to Fitchburg Railroad crossing was paved with granite blocks on a gravel base; the sub-grading was done by the Paving Division. The street was paved, the edgestones reset, the brick sidewalk and the crosswalks relaid by John Turner & Co. The surface removed was old granite blocks.

*Barton Court*. — From Barton to Brighton street was paved with Trinidad asphalt, with a binder layer of asphaltic cement concrete on the existing cobble-stone pavement, by the Barber Asphalt Paving Company.

*Blue Hill Avenue*. — From Dudley street to 80 feet north of Dalmatia street was paved with large granite blocks on a gravel base; the sub-grading was done by the Paving Division. From Dudley to Moreland street the street was paved, the edgestone reset, and the brick sidewalks and crosswalks relaid by the Paving Division.

From Moreland street the paving was done by D. N. Payson. Two new catch-basins were built on the easterly side, one at Stafford street and one at Devens street. The surface removed was macadam.

*Bowker Street*. — From Chardon to Sudbury street was paved with large granite blocks on a gravel base, with pitch joints. The old pavement was removed and the street was sub-graded by the Paving Division. The street was paved, the edgestones reset, and the brick sidewalks relaid by James Grant & Co. The West End Street Railroad Company, by agreement, paid for an amount of paving equivalent to the area previously occupied by their tracks. The pavement removed was cobble-stone.

*Cambridge Street*. — From Joy street to Bowdoin square was paved with large granite blocks on a concrete base, with pitch joints; the old block pavement was removed, and sub-grading done by S. & R. J. Lombard; the blocks and material excavated became the property of the contractor. The concrete base was put down by the Metropolitan Construction Company, the street was paved, the edgestones reset, and the brick sidewalks and granite flagging crosswalks relaid by James Grant & Co. The West End Street Railway Company agreed to pay for the work done between the rails of their tracks, which work was done in a similar manner to the rest of the street, by H. Gore & Co. The pavement removed was old granite blocks.

*Causeway Street*. — From west side of Nashua to east side of Haverhill street was paved with large granite blocks on a concrete base; the sub-grading was done by the Paving Division, the concrete base was laid by the Metropolitan Construction Company, the street was paved, the edge-

stones reset, and the brick sidewalks and granite flagging crosswalks relaid by J. Grant & Co.

There were four new catch-basins built on the northerly side of the street. The pavement removed was old granite blocks. The roadway was widened on the northerly side about 10 feet, by removing the old brick sidewalk, and using the space in front of the new Union Station for a sidewalk; the roadway was also improved by removing one of the West End Railway tracks between Portland street and Canal street and moving the other track over to the northerly curb. A granolithic sidewalk was laid in front of the old Lowell Station by the Warner H. Jenkins Company.

*Chambers Street.* — From Green to Poplar street was resurfaced with Trinidad asphalt on the old cobble-stone pavement by the Barber Asphalt Paving Company. The surface removed was old Trinidad asphalt.

*Chapman Street* (Charlestown). — From Austin street to Rutherford avenue was paved with large granite blocks on a gravel base, the bed was prepared by the Paving Division, the street was paved, the edgestones reset, and the brick sidewalks and flagging crosswalks relaid by J. Turner & Co. The pavement removed was old granite blocks.

*Charles Street.* — From Pinckney to Cambridge street, on the westerly side, except in front of the Eye and Ear Infirmary, was paved with large granite blocks laid with pitch joints on a concrete base; the old pavement was removed and the street sub-graded by P. O'Riordan and by the Paving Division. The best of the old blocks were used on Albany street, from Broadway to Lehigh street. The concrete base was laid by the Metropolitan Construction Company. The paving, including the westerly track of the West End Street Railway, the edgestone resetting, the brick sidewalk and granite flagging crosswalk relaying was done by F. H. Cowin. The West End Street Railway by agreement paid for the work done in their track. It was intended to pave the street in front of the Eye and Ear Infirmary with Sicilian rock asphalt, but on account of unfavorable weather the work had to be postponed; this part of the street was made passable by putting in crushed stone temporarily. The pavement removed was old granite blocks.

*Charter Street.* — From Hanover to Unity street was surfaced with two feet of Trinidad asphalt and binder on the cobble-stone base by the Barber Asphalt Paving Company; the cobble-stone base was regulated, the edgestones reset, and the brick sidewalk flagging crosswalks relaid by James Grant & Co. The former pavement was cobble-stone.

*Court Square.*—The easterly and southerly roadways were resurfaced with Trinidad asphalt and binder on a concrete base by the Barber Asphalt Paving Company. The old concrete base having been found to be poorly graded, and it not being deemed expedient to relay the same, considerable extra work had to be done in order to shape the binder so as to give a proper crown to the street.

*Commonwealth Avenue.*—From Arlington street to Massachusetts avenue, see page 60.

*Dartmouth Street.*—From Boylston street to Newbury street was paved with Trinidad asphalt on a concrete base by the Barber Asphalt Paving Company. The sub-grading was done by J. J. Sullivan; the concrete base was laid by the Metropolitan Construction Company. The edgestone was reset in part and the brick sidewalk relaid by H. Gore & Co. The original intention was to pave the street from curb to curb with asphalt, but the West End Street Railway was allowed to pave with granite blocks between the rails of their track, until the horse cars now running there are replaced by electrics. The former surface was macadam.

*Derne Street.*—From Hancock to Temple street was paved with Hastings asphalt blocks on a base of crushed stone, by J. Turner & Co. The sub-grading was done, the edgestone was reset (north side), and the brick sidewalk (north side) was relaid by J. Turner & Co. The cobblestone, old edgestone, and material excavated became the property of the contractor. On the southerly side of the street the State House Commissioners put in a combination granite curb and gutter and a granolithic sidewalk. One catch-basin was rebuilt at the corner of Hancock street; the former pavement was cobble-stone.

*East Eighth Street.*—From Old Harbor to G street (north side) and G to H street, on both sides of the railroad track, was paved with large granite blocks on a gravel base. The sub-grading was done by the Paving Division, and the street paved, edgestones reset, brick sidewalk and flagging crosswalks relaid by H. Gore & Co. The former surface was macadam.

*East Second Street.*—From I to K street was paved with large granite blocks on a gravel base; the sub-grading was done by the Paving Division, and the street paved, edgestone reset, brick sidewalk and flagging crosswalk relaid by H. Gore & Co. The former surface was macadam.

*Essex Street.*—From Harrison avenue to Kingston street was paved with large granite blocks on a gravel base, with pitch joints; the sub-grading was done by the Paving Division, and the street paved, edgestone reset, brick sidewalk

and flagging crosswalk relaid, by Doherty & O'Leary. The former pavement was old granite blocks. The street was widened to a uniform width of fifty feet.

*Essex Street.* — From Kingston to South street was paved with large granite blocks on a gravel base, partly with pitch joints and partly with gravel joints. The sub-grading was done by the Paving Division, and the edgestone reset, brick sidewalks and flagging crosswalks relaid, by A. A. Libby & Co. The former pavement was old granite blocks. This street was widened to a uniform width of fifty feet.

*Fay Street.* — From Dover street to Harrison avenue was surfaced with Sicilian rock asphalt on the existing cobble-stone pavement, by H. Gore & Co. This work was commenced in 1893. (See report of Superintendent of Streets for 1893.)

*Harrison Avenue.* — From Beach to Essex street; from Beach street 200 feet toward Essex street was paved with large granite blocks on a concrete base with pitch joints. The rest of the street was paved temporarily until the West End Street Railway can obtain and put in new special work. The concrete base was put in by the Metropolitan Construction Company; the rest of the work was done by the Paving Division. The work done was necessitated by the widening of the avenue. The former pavement was old granite blocks.

*Lewis-Street Extension.* — From North to Moon street was paved with granite blocks on a gravel base. The sub-grading was done by the Paving Division, and the paving was done, edgestone set, brick sidewalk and flagging crosswalks laid, by P. W. Hennon. One new catch-basin was built at the corner of North street. This extension was laid out in 1893.

*Mason Street.* — At Boston and Bijou theatres was surfaced with Sicilian rock asphalt on cobblestone base with binder, by H. Gore & Co. The base was regulated, the edgestone reset, and the brick sidewalks relaid by Paving Division. The former pavement was cobble-stone.

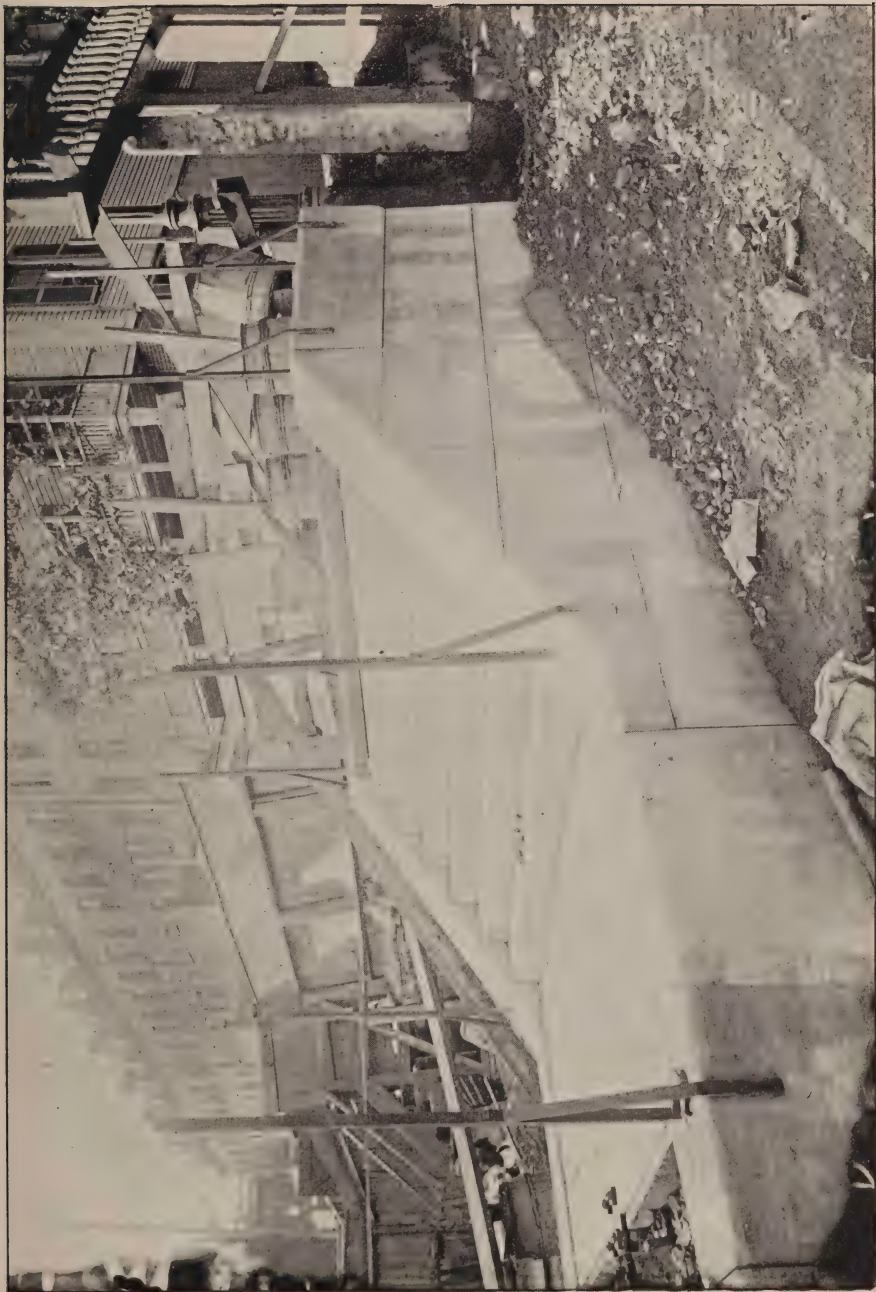
*Massachusetts Avenue.* — The southerly roadway, from Washington to Albany street, was to have been surfaced with Sicilian rock asphalt on a concrete base by H. Gore & Co., but only about 275 feet from Washington street was laid, when the weather became so unfavorable on account of the lateness of the season, that work had to be suspended. The excavating to sub-grade and removing of gutters was done by J. J. Sullivan. The concrete was put down by the Metropolitan Construction Co.; the edgestones reset and the brick sidewalk relaid by H. Gore & Co. A granolithic sidewalk in front of the City Hospital building was laid by

Simpson Bros. The centre parkway was extended about 130 feet to within 16 feet of Albany street, and a driveway was built across it opposite the entrance to the Hospital. The uncompleted roadway between Washington street and Harrison avenue was made passable by covering the concrete with crushed stone; the part between Harrison avenue and Albany street was closed to travel, and the concrete covered with seaweed to protect it from the frost. Nine new catch-basins were built between Harrison avenue and Albany street, — four on the northerly roadway and five on the southerly roadway, — and one was rebuilt at the corner of Albany street. The former surface was macadam.

*Park Street and City Square, Charlestown.* — The paving on this street, which was not completed in 1893, was finished in April of the present year.

*Pemberton Square.* — In front of the new Court House was surfaced with Sicilian rock asphalt on a concrete base, by H. Gore & Co. In the southerly corner, where the teams of Houghton & Dutton are loaded, the square was paved with large granite blocks on gravel base with pitch joints, by J. Grant & Co. The concrete base was laid by the Metropolitan Construction Company. The excavation to sub-grade was done by the Paving Division; the old gutter paving removed by J. Dolan; the edgestone reset by J. Grant & Co.; a granolithic sidewalk was laid on the westerly side of the square, and on part of the easterly side, by Simpson Bros.; and five new catch-basins were built. The former pavement was macadam. The old planting space in the square, containing four trees, was removed, the edgestone in front of the Court House was laid out in a circular arc, very nearly concentric with the edgestone on the opposite side of the roadway, making a roadway about 36 feet wide; at the back of the sidewalk was placed a curb of special design, between which and the building it is intended to make a grass plot.

*Ruth-Street Extension.* — This way or foot-path is in East Boston, and serves to connect Webster street and Marginal street, which are parallel streets, about 240 feet apart, but with a difference of level at this point of about 45 feet. The extension is about 138 feet long and 11½ feet wide. It consists of 7 flights of artificial stone steps connected by platforms of the same material. An additional flight of 13 steps connects Brigham street with Ruth street. The artificial stone work was done by Simpson Bros., at a cost of \$2,122.93. The iron railing and fence work was furnished by G. T. McLauthlin & Co., and cost \$554.97. The excavation, foundations, stone retaining-walls, and wooden fences were furnished by the Street Department. This is the first



ARTIFICIAL STONE STEPS — RUTH STREET, E. BOSTON.





example of the use of "artificial stone" on any considerable scale that the city has yet made. It is used here for walks, steps, and retaining-walls. It makes a fine-looking job, and thus far the experience has been satisfactory.

*Utica Street.* — From Kneeland street to the angle was paved with large granite blocks on a gravel base, by the Paving Division. About 350 square yards of the old cobblestone were removed by J. Dolan, the rest by the Paving Division. The edgestone, brick sidewalks, and crosswalks were relaid by the Paving Division. One new catch-basin was built. The former pavement was cobble-stone.

*Washington Street.* — From Essex to Eliot street was paved with large granite blocks on a concrete base with pitch joints, by H. Gore & Co. The old block paving was removed to Commonwealth avenue beyond Harvard avenue, by O. Doherty. The sub-grading was done by the Paving Division, and the edgestone reset, brick sidewalks and granite flagging crosswalks relaid, by H. Gore & Co.

The West End Street Railway, by agreement, paid for the work done between the rails, which work was done in a similar manner to the rest of the street. Two new catch-basins were built. The former pavement was old granite blocks.

#### GRADING STREET-RAILWAY TRACKS.

The work of properly grading street-railway tracks to fit a permanent surface of the street has been continued. This requires much labor, and it seems proper that the railway company should bear a portion of the cost of so doing. This has been arranged by requiring a survey of the street surface, with levels, to be made by the railroad engineers in all cases where street construction work has not been ordered by the Street Department. The grades for the tracks are then established and blue-prints of the working plans are furnished the railroads.

The following tracks have been graded :

#### WEST END STREET RAILWAY.

*Bowdoin Street.* — From Washington street to Geneva avenue.

*Cambridge Street.* — From Joy street to Bowdoin square.

*Causeway Street.* — From Billerica through Haverhill street.

*Centre Street.* — From Cedar to Pyncheon and Cedar to Eliot square.

*Central Square.* — East Boston.

*Charles Street.* — From Pinckney to Cambridge street.

*Clarendon Street.* — Across Commonwealth avenue.

*Commonwealth Avenue.* — From Beacon street to Cottage Farm bridge and St. Paul street to near Malvern street.

*Dartmouth Street.* — From Boylston to Newbury street and across Commonwealth avenue.

*Dover Street.* — From 200 feet west of Albany street to Dover-street bridge.

*Eagle Street.* — From junction of Lexington street to new car-house.

*Essex Street.* — From Harrison avenue to Kingston street.

*Harrison Avenue.* — From Essex to Beach street.

*Huntington Avenue.* — From 2,950 feet south of Gainsborough to Tremont street.

*Lexington Street.* — From Meridian to Marion street.

*Lexington Street.* — From Eagle to Prescott street.

*Meridian Street.* — From Central square to Chelsea street.

*Prescott Street.* — From Lexington to Saratoga street.

*Tremont Street.* — At Huntington avenue.

*Warren Street.* — From Elm Hill avenue to Brunswick street.

*Washington Street.* — From Boylston to Hollis street and Boston & Albany Railroad bridge to Warrenton street.

*West Fourth Street.* — From Dover-street bridge through Dorchester avenue.

#### NORFOLK SUBURBAN STREET RAILWAY.

*Hyde Park Avenue.* — From Hyde Park line to Forest Hills.

#### QUINCY & BOSTON STREET RAILWAY.

*Neponset Avenue.* — At Neponset bridge.

Surveys, plans, and estimates for improving and paving the following streets have been made; construction not yet commenced:

*Albany Street.* — From old East Springfield to Northampton street.

*Arlington Street.* — From Marlborough through Commonwealth avenue.

*Ash Street.* — From Oak to Nassau street.

*Austin Street.* — From Fitchburg Railroad crossing to Prison-point bridge.

*Bartlett Street.* — From Washington street about 500 feet westerly.

*Bennington Street.* — From Wordsworth to Saratoga street.

*Chelsea Street.* — From Bennington to Saratoga street.

*Congress Street.* — From Atlantic avenue to Congress-street bridge.

*Court Avenue.* — And Corn Hill court.

*Dartmouth Street.* — From Warren avenue to Columbus avenue.

*Harrison Avenue.* — From Beach to Kneeland street.

*Harrison Avenue.* — From Dudley to Warren street.

*Harrison Avenue.* — From East Springfield to Northampton street.

*Massachusetts Avenue.* — From Washington to Albany street (northerly roadway).

*Merchants Row.* — From State to South Market street.

*Milk Street.* — From Washington to Congress street.

*Northampton Street.* — From Harrison avenue to Albany street.

*North Margin Street.* — From Cooper to Stillman street.

*Norway Street.* — From Massachusetts avenue to Falmouth street.

*Oxford Street.* — From Beach to Essex street.

*State Street.* — From Merchants row to India street.

*Washington Street.* — From Hollis to Boston & Albany Railroad bridge.

*Water Street.* — From Washington to Devonshire street.

#### MISCELLANEOUS WORK.

*Essex and Lincoln Streets.* — On February 7, 1894, a contract was made with A. A. Elston to take down the old building standing upon the widening of the above-named streets, and upon the estate of John Farlow, for the sum of \$1,425, which work was satisfactorily completed.

*West End Street Railroad Co.* — The tracks of the above company were removed from the following streets, and the cost of repaving the same with granite blocks on a gravel base with pitch joints was paid by the company. Measurements of the areas of paving, to be so paid for, were made and returned.

*Bowker Street.* — From Chardon to Sudbury street.

*Broad Street.* — From Wharf to Franklin street.

*Fleet Street.* — From Hanover to Commercial street.

*Foundry Street.* — From Division to W. Fourth street.

*Franklin Street.* — From Broad through Congress street.

*High Street.* — From Engine-house to Oliver street.

*Milk Street.* — From Oliver to Congress street.

*Oliver Street.* — From High to Milk street.

Surveys and plans were made for work upon the following

streets; grades and lines were given, but the work of construction was not supervised by this department:

*Dartmouth Street.* — From Tremont street to Warren avenue was paved with old granite blocks from Dover and Albany streets; a plan was prepared and lines and grades given for paving, resetting edgestones, relaying brick sidewalks and flagging crosswalks, the work being done by the Paving Division. The West End Street Railway tracks were not regraded. The former surface was macadam.

*Tufts Street.* — From Kingston to Lincoln street was repaved with granite blocks, gravel base. A plan was prepared and lines and grades given. The work of paving the roadway, resetting the edgestone, relaying the brick sidewalks and flagging crosswalks, was done by the Paving Division.

*Rutherford Avenue.* — From Devens to Chapman street was paved with granite blocks on gravel base. A plan was made and lines and grades given. The work of paving, resetting edgestones, relaying brick sidewalks and flagging crosswalks, was done by the Paving Division. The former surface was macadam. One new catch-basin was built and three old ones rebuilt.

*Thompson Street.* — From Main to Warren street was macadamized. A plan was made and lines and grades given. The work of macadamizing, resetting edgestones, relaying brick sidewalks, was done by the Paving Division. The former pavement was cobble-stone.

*Phipps Street (Charlestown).* — Was paved with granite blocks on gravel bed. A plan was prepared and lines and grades given. The work of paving the roadway, resetting edgestones, relaying brick sidewalks, was done by the Paving Division. The former pavement was cobble-stone.

*Charles Street.* — From Main to Bunker Hill street was paved with large granite blocks on a gravel base; lines and grades were given. The work of paving the roadway, resetting the edgestone, relaying brick sidewalks, was done by the Paving Division. The former surface was cobblestone.

*Sprague Street.* — From Princeton to Bunker Hill street was macadamized. The edgestone was set, cobble gutters and brick sidewalks were laid by the Paving Division. The former pavement was gravel.

*Oak Street.* — From Washington street to Harrison avenue was paved with granite blocks on a gravel base. A plan was prepared and lines and grades given. The work of paving roadway, resetting edgestone, relaying brick sidewalks and flagging crosswalks, was done by the Paving

Division. The former pavement was blocks and cobble-stone mixed.

*Utica Street.* — From Kneeland to Beach street was paved with granite blocks on a gravel base. A plan was made and lines and grades given. The work of paving the roadway, resetting edgestone, and relaying brick sidewalks was done by the Paving Division. The former pavement was old granite blocks.

*Congress Street.* — From A street to L-street bridge. The work on the plank sidewalk and fence, which was begun last year, has been completed.

*Bushnell Street (called Peabody Square).* — A plan was made showing the present and proposed location of trees; a plan and specification was also prepared for a circular park curb, and lines and grades given for setting the same. The work was done by the Paving Division. One catch-basin and one drop inlet built.

*Vale Street.* — From Dorchester street to Mercer street. Cross section and an estimate were made for filling the above to grade, and lines and grades given for filling the same.

Preliminary estimates were made for repairing or rebuilding ninety streets.

#### NEW STREETS.

During the early part of the season of 1894 three streets, viz., Miner street, Bay State road, and Deerfield street, which were reported last year as uncompleted, were finished. The following streets have been contracted for, under the provisions of Chap. 323 of the Acts of the Legislature of 1891, as amended by Chap. 418 of the Acts of 1892; the entire expense of construction is borne by the abutter, and sewer, gas, and water pipes, with house connections to the sidewalk, are laid in advance of the street construction:

*Arundel Street.* — From Beacon to Mountfort street, about 271 feet long, is practically completed at a total cost of \$1,843.45. For itemized prices and quantities, see table accompanying this report. The contractors were H. Gore & Co. It is a 6-inch macadam street.

*Ivy Street.* — From St. Mary to Mountfort, not including the Audubon-road intersection, is about 772 feet long. This contract, which was awarded to J. Grant & Co., is not yet completed, and there remains to be done the spreading of the binder, watering, and rolling. It is a 6-inch macadam street.

*Mountfort Street.* — From Audubon road to Ivy street is about 427 feet long. This street was constructed by H.

Gore & Co., at a cost of \$2,549.93. It is a 6-inch macadam street.

*Newbury Street.* — From Charlesgate West to Brookline avenue, about 1,271 feet in length, was built by F. H. Cowin & Co., at a total cost of \$10,386.93. This is a 6-inch macadam street.

*Parker Street.* — The contract for constructing and regulating this portion of this street from Huntington avenue to Westland avenue, about 1,687 feet long, was awarded to Messrs. Doherty & O'Leary. The work is not yet finished. It is to be a Telford roadway, the base to be 10 inches, and the broken stone 6 inches, in thickness.

*St. Germain Street.* — The contract for building St. Germain street, from Massachusetts avenue to Dalton street, about 749 feet long, was awarded to Quimby & Ferguson, but on account of the lateness of the season they were able to do only the filling to sub-grade. This is to be a Telford roadway, the base to be 8 inches, and the broken stone to be 6 inches, in thickness.

*Boylston Street.* — A contract for filling the Boylston-street extension, from Boylston road to Brookline avenue, about 2,070 feet in length, was awarded to J. O'Brien on December 1, 1894, at the rate of \$0.62½ per cubic yard, measured in the bank. The order of laying out requires a gravel roadway with gravel sidewalks.

#### COMMONWEALTH AVENUE.

This avenue now extends under one name from the Public Garden to the Newton line, a total length of 5.59 miles, it having been extended from the Chestnut Hill Reservoir gate to the Newton line, where it connects with a new avenue bearing the same name, which, like the part in Boston, is only partially completed. This avenue extends through the heart of Newton, a farther distance of four miles.

Commonwealth avenue in Boston varies in width from 120 to 200 feet, and is laid out partly as a parkway, in the care of the Park Department, partly as a highway, with heavy teaming ruled off by order of the Board of Aldermen, and partly as an ordinary highway. It was formed of portions of streets formerly bearing different names, with widenings and extensions made at different times. The extension of the avenue from Beacon street has been under construction for the last eleven years, during which time about one million two hundred and seventy-five thousand dollars has been expended upon it. A large amount of work has been done upon every part of it, excepting the most recent

extension, and a large amount yet remains to be done to complete the enterprise.

The following is a short account of what has already been done, together with a statement of its present condition and an approximate estimate of the cost of completion :

Beginning at the Public Garden in Boston, the first section, extending to Beacon street, a distance of 1.44 miles, was taken by the Park Commissioners, under Chap. 300, Acts of 1893, as a parkway. This section is uniformly two hundred feet wide. The part of it between the Public Garden and Massachusetts avenue has two roadways and a central planting space. The northerly roadway is thirty-five feet wide between curbs ; the southerly roadway is thirty-five feet between curbs ; the central planting space is one hundred feet wide, with a gravel walk in the centre eighteen feet wide, and the sidewalks, each, fifteen feet wide. The roadways have been rebuilt this season in a thorough manner with Telford roads. The work was done by the Street Department for the Park Department. The excavation of the old surface was let in eight contracts. The stone for the Telford foundation was furnished by ten contractors and by the Street Department, and was set by four contractors. The old gutter blocks were removed by two contractors, and new ones were furnished by two contractors and from the city paving yards, and were set in place by four contractors. The edgestones were reset, where necessary, and the sidewalks repaved in part by two contractors. Broken stone for the macadam surface was furnished by two contractors, and from two city crushers. Steam-rollers were furnished from the Street and Park Departments and from contractors, the maximum number used was six. Gravel for gutter paving was furnished by the Street Department, and the broken stone was received and spread, and all miscellaneous work required to connect the various contracts was done, by the regular force of the Street Department. Platform scales were set up on the work, and all Telford and macadam materials were received by weight. The broken trap rock was weighed on cars.

Each roadway has two gutters, three feet in width. The Telford road has a base of Roxbury conglomerate eight and a half inches thick, thoroughly rolled, and a surface of broken stone four and a half inches thick after rolling. Between Arlington and Fairfield streets, the surface is trap rock from Salem and Waltham, furnished by the Massachusetts Broken Stone Company. From Fairfield to Gloucester street, on the northerly roadway, the surface is Roxbury conglomerate from Humboldt avenue, furnished by H. P. Nawn, and the

remaining blocks are surfaced with Roxbury conglomerate from the Tremont and Codman street ledges, mixed indiscriminately. No binding material, except stone screenings, was used, and on each section the screenings were of the same material as the broken stone. The intersections of cross streets were put in good order, and the street railways on Clarendon and Dartmouth streets were rebuilt with entirely new material, and Clarendon street was paved with granite blocks.

The total area of gutter paving was 7,446.7 sq. yds. The total weight of Telford base stone used was 11,806.64 tons, on 30,025.4 sq. yds., or 786.44 lbs. per sq. yd. The weight of trap rock macadam used was 7,467.36 tons, on 20,313 sq. yds., or 735.23 lbs. per sq. yd. The total weight of Roxbury stone macadam used was 4,211.08 tons on 11,842 sq. yds., or 711.21 lbs. per sq. yd. The result in weight of stone indicates that a considerably thicker road was actually built than was intended. The surface was kept at grade, and whatever settlement was caused by the weight of the heavy rollers was made good by additional broken stone.

The intersections of cross streets are built on a Telford base only in the continuation of the avenue roadways; the balance of the intersections were surfaced with broken stone and rolled. The quantity of broken stone used on them could not be exactly determined, and it was assumed that one-half the regular thickness was applied. The work was begun on July 30, 1894, and completed on November 20, 1894. The total cost of work on this section was \$84,373.10, less \$9,600 allowed for old materials removed; making the net cost \$74,773.10.

The remainder of this section is irregularly laid out, and is connected with the Back Bay Fens.

The next section, from Beacon street to Cottage Farm bridge, is .79 mile in length and 160 feet in width; it is laid out in the following manner: Commencing on the southerly line sidewalk, 10 feet; planting space, 12 feet; roadway, 35 feet; grass and electric railroad, 33 feet; roadway, 45 feet; planting space, 10 feet; and sidewalk, 15 feet. The filling on this section by the Boston Contracting Company, and their successors, the Fidelity and Deposit Company, of Maryland, was completed on September 23, 1893. The total quantity of material delivered was 57,675 cubic yards, at \$0.41 per yard, amounting to \$23,646.75.

Telford stone was accumulated during the preceding winter, and the southerly roadway between Beacon street and Cottage Farm bridge was built during the year 1894 by the regular force of the Street Department. A fence and wooden



sidewalk on the southerly side was built by the carpenters of the Bridge Division of the Street Department; the gutters were paved by contract. The roadway is a Telford road, with a face ten inches thick, and six inches of Roxbury stone macadam. The northerly roadway was built in 1893 in the same manner, except that the macadam is trap rock. This section is practically completed to within three hundred feet of Cottage Farm bridge. The sewers, gas and water pipes, are laid in the side planting spaces.

The abutments of the bridge were built during the year. By arrangement with the Boston & Albany Railroad these abutments are built partly in the railroad location, and the part of the bridge which was formerly maintained by the railroad will hereafter be maintained by the city. The central abutment and the bridge have not yet been built.

Essex street connects with the widened avenue on the northerly side, so as to render considerable filling necessary to make even a temporary connection. The plan, as arranged by the Board of Survey, contemplates ultimately elevating Essex street and crossing the Grand Junction Railroad by a bridge; but it will be necessary to make a temporary grade of about 6 per cent. crossing the track at grade, in order to keep the street open until the Board of Survey plan is carried out.

Westerly from the bridge to Brighton avenue the section is 160 feet in width and the distance is .69 mile. For about 1,000 feet westerly from the bridge, through the marsh, there has been an excessive settlement of filling with a large displacement of mud; only one temporary roadway has been built here. An unexpected settlement took place at this point, requiring some 16,000 cubic yards of surplus filling, for which the contractor was paid an extra sum of money. The filling on this section was completed on August 9, 1894, and while it is probable that settlement will continue for some years, it is probable that a fair street surface can be maintained. There are no sewers, gas, water, or surface drain pipes laid in the "marsh section," except the large main water and gas pipes. The remainder of the section to Brighton avenue has one roadway completed. This is a Telford road of Roxbury stone of the same thickness as those east of the bridge, and was built by the Street Department in 1894. The remaining roadway (on the southerly side) has been built to sub-grade of gravel, with the intention of finishing it with gravel as a soft road suitable for fast driving.

The width, plan, and disposition of water, gas, and sewer pipes is the same as in the section east of the Cottage Farm bridge. A considerable amount of work on sidewalks, loam spaces, and fences remains to be done.

The section between Brighton avenue and Warren street is .88 mile long and 200 feet wide. It is laid out with three roadways, a saddle-path, three grass plots, and two sidewalks; the width of each and their order, commencing on the southerly side, as follows: Sidewalk, 10 feet; grass plot, 10 feet; roadway, 26 feet; grass plot, 29 feet; central roadway, 50 feet; saddle-path, 20 feet; grass plot, 9 feet; roadway, 26 feet; grass plot, 10 feet; sidewalk, 10 feet. The central roadway has been built and has been in use for several years. It was necessary to raise its grade for about 1,200 feet in length to fit the new grade adopted; the amount of this change in grade is from 0 to 1 foot, in vertical height. The sub-grading is completed on a large part of this section, and the construction of the two side roads has been commenced. The side roads are to be of lighter construction than in the preceding section, the depth being for Telford base 8 inches, for macadam, 4 inches. The sewer and surface drain work on this section is substantially finished, and there are nearly enough paving-blocks on the ground for the gutters. These blocks came from the section of the avenue taken by the Park Commissioners, with the understanding that \$3,500 is to be paid for them when funds are available.

The section between Warren street and Chestnut Hill avenue is 200 feet wide and 1.07 miles long. This is an uneven and rocky section, with two sidewalks, 7.5 feet wide, and a roadway 50 feet wide winding irregularly through the location; it was built some years since. On September 15, 1884, in the Board of Aldermen, it was "Ordered, That the Board adopt the plan and profile for constructing Massachusetts avenue, in the Brighton District, as prepared by Henry M. Wightman, City Engineer, dated September 11, 1884, and deposited in the office of the said City Engineer, the said plan being a modification of a plan of said avenue designed by Frederick L. Olmsted. It being understood that the construction of said avenue shall be substantially in accordance with said plan. Passed."

The plan referred to has disappeared, but a copy exists. The road built does not exactly follow the plan, and no design has been adopted for the treatment of the remainder of the 200-foot location. A plan has recently been made which collects all the information concerning this section that is available, including the streets contemplated by

the Board of Survey, and the grades considered or adopted by them, and on this has been sketched a plan for building a series of side roads, and rough estimates have been made of the cost of completing the roads in accordance therewith. There will remain large areas of uneven land with high ledges between these roads, which, from their bold character, and the fine views from their summits, may be ornamentally treated, if desired. It would seem desirable that Mr. Olmsted should complete his design, and that this portion of the avenue should be built in accordance with it.

The remaining section between Chestnut Hill avenue and the Newton line is .72 mile long, and has been laid out as an ordinary highway. The plan provides for two roadways, three grass plots, and two sidewalks, disposed of as follows: Beginning at the southerly side: sidewalk, 10 feet; grass plot, 5 feet; roadway, 40 feet; grass and electric road, 25 feet; roadway, 25 feet; grass plot, 5 feet; sidewalk, 10 feet.

The estimated cost of completing the avenue from Beacon street to the Newton line, as outlined above, and exclusive of the cost of sewers and surface drains, and including land damages, is \$556,598, or about \$400,000, excluding the extension recently made beyond Chestnut Hill avenue, and provided that material is transferred from section to section. The estimates by sections are appended:

Estimated cost to complete the construction:

Beacon street to Warren street . . . . .	\$188,405 00
Warren street to Chestnut Hill avenue . . . . .	164,157 00
Chestnut Hill avenue to Newton line . . . . .	99,685 40
Bridge at Cottage Farm, cost to complete, . . . . .	60,159 00
Chestnut Hill avenue to Newton line, land damages, estimated by Street Commissioners . . . . .	44,191 00
	<hr/>
Total . . . . .	\$556,598 00

Fifteen per cent. for engineering and contingencies has been added in each section.

This estimate contemplates charging the section between Warren street and Chestnut Hill avenue with \$22,920 for earth filling to be received from the section between Chestnut Hill avenue and the Newton line, and crediting the first-named section with \$9,000 for rock to be used on the other sections.

Plans have been made showing the different methods of construction at different sections of the avenue, and also a

proposed method of completing the avenue from Warren street to Chestnut Hill avenue.

The following table shows the sums heretofore appropriated and expended upon the avenue :

DATE.	Appropriation.	Land Damages.	Construction and Miscellaneous.	Total Amount expended.
1883 .....	\$55,000 00	\$24,800 00	.....	\$24,800 00
1884 .....	50,000 00	14,462 00	\$49,992 03	64,454 03
1885 .....	50,000 00	19,713 68	4,813 21	24,526 89
1886 .....	40,000 00	.....	65,481 08	65,481 08
1887 .....	125,000 00	14,000 00	9,932 70	23,932 70
1888 .....	111,500 00	.....	46,069 45	46,069 45
1889 .....	.....	40,366 98	49,070 24	89,437 22
1890 .....	107,438 04	223,071 06	22,165 61	245,236 67
1891 .....	.....	.....	.....	.....
1892 .....	286,233 01	.....	123,170 81	123,170 81
1893 .....	203,000 00	56,527 00	209,719 65	266,246 65
1894 .....	247,000 00	30,275 00	271,349 47	301,624 47
	\$1,275,171 05	\$423,215 72	\$846,313 34	\$1,274,979 97
Balance.....	.....	.....	.....	\$191 08

#### SIDEWALK PLANS.

A set of plans was made for the Street Department some years ago. The design was to show on one plan all pavements, gutters, sidewalks, street railways, and crossings, edgestones, all sewer and water pipes, and, in fact, all structures as they exist upon or under the surface of the public streets. The custody of these plans was turned over to this department in 1892, and a certain amount of work has been done each year toward bringing them up to date. The amount of work which the available force of the office can do each year is so small that most of the plans are hopelessly behind. They had not been recently corrected when they were turned over to us, and they are further behind now than they were then. Imperfect as they are, they are constantly consulted, and they can never perhaps be made absolutely

correct, as many streets in the older parts of the city contain structures of which there is no record. Under the present regulations it is possible to oblige all parties or corporations, having authority to use the public streets, to file plans of their structures, and it is a work of compilation to gather all the information into one plan of record. Until recently, it was necessary to gather most of this information from the street itself.

Unless means are provided by which more work can be done than is possible to do under the present conditions, the usefulness of these plans will diminish rapidly, and it will soon become a waste of effort to do anything upon them. An inspection of these plans has recently been made, and the following summary of their number and condition is given :

*City Proper.*

Of this division of the city there are 50 sectional plans, on a scale of 50 feet to an inch. The plans are nearly worn out, and as nothing has been done on them for many years, they are incomplete, and are incorrect in many particulars. These plans are used constantly. New plans should be made on a scale of 30 feet to an inch, similar to the Roxbury and Dorchester sectional plans. This would increase the number of plans from 50 to about 150.

*Charlestown.*

Of this division of the city there are 30 sectional plans, upon a scale of 30 feet to an inch. The set is incomplete, as 10 plans were either never made or have been lost. The plans are in good condition, so far as they go; but for several years nothing has been done upon them.

*East Boston.*

Of this division of the city there are 37 sectional plans, upon a scale of 40 feet to an inch. Seven plans have either never been made or have been lost, and there are no plans of Breed's Island. The plans are in good condition.

*South Boston.*

Of this division of the city there are 39 plans, upon a scale of 40 feet to an inch. Eleven plans required to complete the set have never been made. The plans are in good condition.

*Roxbury.*

Of this division of the city there are 79 plans, upon a scale of 40 feet to an inch. Two plans are missing, and 12 additional plans are required to complete the set. Twenty-five of these plans are very much worn and should be replaced. With the exception of the missing plans, this set is correct to January, 1895.

*Dorchester.*

Of this division of the city there should be 215 plans in the complete set. One hundred and six of the plans have been made, and are in good condition.

This district is growing rapidly, many new streets have been built since the plans were made, and many calls are made for the plans not yet made. These plans are upon a scale of 40 feet to an inch.

*West Roxbury.*

Of this division of the city there are 34 sectional plans, upon a scale of 40 feet to an inch. The plans are in good condition, but nothing has been done upon them for some years. About 300 plans would be required to complete the set, but as portions of this district are thinly settled, 100 additional plans would probably be sufficient for the next ten years.

*Brighton.*

Of this division of the city there are no sectional plans. There are 39 rolled plans, showing most of the principal streets, but nothing has been done upon these plans for many years. Sectional plans should be made of this district, the plans being made as needed. To make the complete set 120 plans would be required, upon a scale of 40 feet to an inch.

*Summary.*

The Roxbury set has been brought up to January, 1895, and some work has been done upon the South Boston and Dorchester sets. Each sheet, when corrected, is marked correct to the proper date in pencil. The remaining sheets have not been corrected for four years certainly, and it is unknown just when they were last corrected.

To maintain these plans in proper condition, a draughtsman and one assistant should be employed to take charge of them, to know all about them, to be responsible for their safe-keeping, to attend to people who desire to consult them, and to give their whole time to their correction. In one year, with the aid of such help as can be given by the remainder of the force in the winter, enough progress can be

made to determine what the cost of keeping up such a set of plans will be, and it should then be settled whether it is worth while to continue to do so or not. The pay of a draughtsman and assistant, competent to do this work, at present rates, need not exceed \$1,600 per annum.

#### BERWICK PARK FOOTBRIDGE, OVER PROVIDENCE DIVISION, NEW YORK, NEW HAVEN, & HARTFORD RAILROAD.

Plans and specifications for a retaining-wall on Follen street, and additions to the present retaining-wall on Berwick park, were prepared, and on June 21 a contract for doing this was concluded with Quimby & Ferguson for the sum of \$3,200. These retaining-walls form the supports of an iron footbridge similar to that over the railroad at Irvington street. The iron stairways and piers were furnished by the Boston Bridge Works, at a cost of \$1,200. The iron span is that formerly used at Franklin street, Allston; it was taken down, moved, and erected at Berwick park by the Boston Bridge Works for the sum of \$500.

#### BOYLSTON-STREET BRIDGE, OVER BOSTON & ALBANY RAILROAD.

Iron railings have been erected on this bridge, and on one of the street retaining-walls. The work was done by the Boston Bridge Works from plans and specifications prepared by this Department.

#### CHARLES RIVER BRIDGE.

This bridge, which was closed to team-travel on account of its dangerous condition, has been temporarily strengthened for the passage of light teams and foot-travel. The work was done by Trumbull & Ryan and the Bridge Division of the Street Department. The amount paid Trumbull & Ryan under their contract was \$2,909.94.

#### CHELSEA-STREET BRIDGE.

A contract was made with B. F. Nay & Co., on August 20, for removing the old bridge, including the draw and draw-pier, and rebuilding the entire pile bridge and draw-pier, and on September 6 a contract was made with the Boston Bridge Works for building a steel swing draw. The work is so nearly completed that it is probable that the bridge will be opened for travel early in the present month.

COTTAGE FARM BRIDGE, OVER THE BOSTON & ALBANY  
RAILROAD.

The abutments of this bridge have been extended to provide for a new bridge of a width equal to that of Commonwealth avenue at this point, and a retaining-wall built on the northerly line of Commonwealth avenue, between the northerly abutment and Essex street.

The plans and specification for this work were prepared by the Engineering Department, and the work done by Leavitt, Daily, & Crockett, for the sum of \$40,219.80.

Yours respectfully,

[Signed]

WILLIAM JACKSON,  
*City Engineer.*

STREET OPENINGS.

Eighteen thousand five hundred and fifty-two permits were granted during the past year to open streets. The excavations made under these permits aggregate 198.8 miles in length, and show the extent of this work.

The Street Department has been accustomed to grant to the various gas and other companies, whose work would in certain cases admit of no delay, a so-called "emergency permit," which allowed excavations to be made without special permission being obtained, the only requirement being that a daily return of openings made under this form of permit should be forwarded to the office of the superintendent.

Two thousand five hundred and seventy-six openings of an average length of six feet each were made under "emergency permits" for breaks in water and gas pipes which were alleged to require immediate attention. These openings were made under 99 permits.

In addition to the above permits, various other permits have been issued to pedlers, mechanics, and others, for different purposes, 14,376 in number; making the total number of permits issued 32,928.

Mention was made in last year's report that real-estate owners are extremely careless in providing sewer and water connections for their several buildings, both old and new, in streets that are advertised to be improved and regulated, and frequently call for a permit to open for gas, water, or sewer connections soon after the department has put down a permanent pavement.

Such cases are of frequent occurrence. The blame is



usually shifted off on unnoticed negligence of the contractor or somebody else, while the utter uselessness of a building without gas or water is put forward in the plea for consent to the opening being made.

The only remedy would seem to be to demand the forfeiture of a sufficient sum of money to repay the department for the necessary labor of making the pavement good with its own force. If let off with any lighter concession, the chances are that repetitions of neglect will occur, and the pavement itself will not receive the full measure of care in replacement that the regulations stipulaté.

## STREET-WATERING.

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In 1891 for the first time the Street Department assumed the responsibility of watering streets on a more enlarged scale and on a different system. Numerous public hearings were given on the subject of street-watering before the work was started, but were productive only in stirring up opposition to the proposed plan of assessing the expense of watering upon the estates abutting on streets and portions of streets watered, in proportion to the linear feet of frontage of each estate.

This was decidedly objectionable to the residents of suburban districts. The residents of the outlying sections of the city contended that such assessments would be exceedingly heavy upon them, as their frontages are comparatively large and the value of the estates relatively small. The owners of unimproved property also felt that such an arrangement would be a burden upon them.

The objections resulted in the substitution for the proposed assessment of a yearly appropriation for street-watering to be met by the general tax-levy.

To satisfy the complaints from Back Bay and South End residents on account of the unreasonable prices hitherto charged for the work, these two sections were let out by contract, to be paid for by the city, and the rest of the macadamized portions were watered by day carts, also at the city's expense. Paved streets, however, have been made the exception, and are still watered by private contractors at the abutter's expense on the subscription plan.

The results of the first two years were subjected to careful study, and adjustments in the distribution of the force and water-posts rendered the organization more efficient, until, with the modern equipments, the entire work was established on a more thorough and systematic basis.

The year 1894 was the driest and hottest season since this system of street-watering was inaugurated. With the humidity at 40, the thermometer at 90, and high winds, it was impossible at times to keep the dust down, and there were many days during the season when the atmospheric conditions were such that double the number of carts would have been necessary to manage and control the dust. The full force of carts was needed every day for a period in-

cluding June, July, and part of August, an unusually long spell of dry weather.

The total number of miles of macadam streets watered this year was 296.66, an increase of 17.36 miles over last year. The contractors watered at the expense of the abutters 32.50 miles of paved streets. The total number of miles of macadam and paved streets watered was 329.56, an increase over the year previous of 20.83 miles. The paved streets of the city proper are quite free from dust and in a clean condition, from frequent sweeping.

The department feels that the original cost of paved streets and the extra care taken of them does not warrant their free watering.

The watering of paved streets by contractors has been so excessive at times that it was necessary to prohibit it after 4 o'clock P.M. in order that the pavements might dry out preparatory for the night sweeping.

When asphalt streets are flanked on either side by macadam streets, it is well-nigh impossible to keep them free from dust. Beacon street, for example, is intersected by sixteen (16) macadam streets, from the gutters of which more or less dirt and dust blows on to the asphalt, and in wet weather mud from the same is tracked on to the asphalt surface by both wheels and hoofs. Constant sweeping, supplemented by occasional light sprinkling with fresh water, is the only proper treatment for asphalt paving, although this course has not obtained the past year.

Street-watering was begun this year on March 6 (last year March 19) and continued until December 1. A few carts were out on December 20 and 22. They could have been used oftener in this month, but the temperature would not permit. Streets cannot be watered if the thermometer is below 34°.

On August 10 both roadways of Commonwealth avenue were deducted from the contract because of construction, and were not watered from then to the end of the season.

To improve and facilitate the street-watering 24 new stand-pipes were erected. Much time is saved by establishing stand-pipes at convenient intervals, and more effectual watering can be done when the distance to obtain fresh supplies of water is not great.

The old style copper sprinklers have vanished and modern styles have taken their places.

The following table shows the changes that have been effected in the style of watering-carts during the past two years :

	Old Copper.	Studebaker.	Abbott-Downing.	Potter Patent.	Miller Knoblock.	
1892.....	61	4	16	27	.....	108
1894.....	.....	59	30	18	2	109

### Summary of Day Work paid for by the City.

No.	DISTRICT.	No. of carts hired by day.	No. teams owned by city.	No. miles covered.	Average miles per day per cart.
1	South Boston.....	9	....	22.80	2.53
2	East Boston .....	7	....	17.61	2.52
3	Charlestown .....	7	....	15.00	2.14
4	Brighton .....	11	2	32.00	2.46
5	W. Roxbury.....	15	2	58.66	3.45
6	Dorchester .....	16	1	56.99	3.35
7	Roxbury .....	18	....	53.04	2.95
8	Back Bay .....	3	....	5.85	1.95
9	Beacon Hill .....	2	....	4.21	2.10
10	South Yard.....	2	....	5.04	2.52
	Totals .....	90	5	271.20	2.85

This summary shows that ninety carts hired by the day and five carts owned by the city watered 271.20 miles of streets daily for the season. Last year ninety-four carts watered 257.45 miles of streets.

The cost of day and city work, exclusive of supervision, was \$229 per mile, or \$62,192.50, as against \$298 per mile and a total of \$76,725 last year.

The carts averaged 2.85 miles of streets per day as against 2.74 miles last year. Watering was commenced on March 6, and continued until December 1, although in Back Bay, streets were watered on December 20 and 22.

**Summary of Contract Work paid for by the City.**

DISTRICTS.	Contractors.	Carts.	Miles.	Cost.
Back Bay.....	M. E. Nawn .....	9	11.78003	\$6,696 02
South End.....	O. Nute & Son .....	4½	9.18760	5,128 15
Totals .....	.....	13½	20.96763	\$11,824 17

This table shows that thirteen and a half carts were used by the contractors to water 20.96763 miles of streets.

The Back Bay was watered with fresh water entirely this year. In the South End salt and fresh water were used, as last year.

The contract price in the Back Bay was \$575 per mile for fresh water. The price paid for the work in the South End was \$630 per mile for salt water and \$460 per mile for fresh water.

**Work done by Contractors at the Expense of the Abutters.**

DISTRICT.	Contractors.	Carts.	Miles.
City Proper.....	Daniel Clark.....	3	3.67
City Proper.....	Potter Bros.....	5	8.75
City Proper.....	Proctor Bros. & Billings..	5	7.25
City Proper.....	O. Nute & Son.....	½	1.50
East Boston.....	J. H. Fitzpatrick.....	1	2.00
Charlestown .....	W. H. Quigley.....	1	2.00
Roxbury and South Boston..	H. P. Cook & Co.....	3	6 51
Roxbury .....	William Gilligan.....	1	1.25
Totals.....	.....	19½	32.93

The above work was done for, and at the expense of the abutters. The streets watered are all paved. The table shows that with 19½ carts these contractors watered 32.93 miles of streets in the City Proper, South Boston, East Boston, Charlestown, and Roxbury.

This is an increase over last year of 1½ carts and 3.50 miles of streets.

**Work done by the Contractors Free of Cost to the City.**

NAME.	Carts.	Miles.
Proctor Bros. & Billings.....	1	1.64
Potter Bros.....	$\frac{1}{2}$	.94
Daniel Clark.....	$\frac{1}{2}$	.86
H. P. Cook & Co.....	$\frac{1}{4}$	.52
Gilligan Bros.....	$\frac{1}{4}$	.54
Totals .....	$2\frac{1}{2}$	4.50

This summary shows that five contractors with  $2\frac{1}{2}$  carts watered 4.50 miles of streets free of cost to the city on return for the privilege of watering paved streets for the abutters.

The Superintendent of Streets required that they agree to this watering before granting them permits which ensures them the exclusive right of soliciting watering patronage from paved streets within certain defined limits, with the privilege of using the city stand-pipes and water.

**Summary of Work done which was paid for by the City.**

No.	DISTRICT.	Miles, day work.	Miles, contract work.	Total miles.
1	South Boston ..	22.80	.....	22.80
2	East Boston....	17.61	.....	17.61
3	Charlestown ...	15.00	.....	15.00
4	Brighton.....	32.00	.....	32.00
5	West Roxbury .	58.66	.....	58.66
6	Dorchester.....	56.99	.....	56.99
7	Roxbury .....	53.04	.....	53.04
8	Back Bay.....	5.85	11.78	17.63
9	Beacon Hill....	4.21	.....	4.21
10	South Yard ....	5.04	9.18	14.22
	Totals.....	271.20	20.96	292.16
		or about	or about	
		3,579,857 sq. yds.	459,384 sq. yds.	

Cost of day and city work, exclusive of supervision, \$229.32 per mile.

Cost of contract work, exclusive of supervision, \$564.13.

The apparent discrepancy between the cost of day work and that of contract work is accounted for by the fact that the contract watering obtained only in the South End and Back Bay Districts, where the streets are generally wide, and were partly watered with salt water.

The slight excess in cost per mile of contract work over last year was due to an early start in watering. The contractors are paid by the day for work done in March and December, the season extending, as per contract, from April 1 to December 1. The cost of contract, day, and city work was \$74,016.67. This expense is the cost exclusive of supervision, water-posts, repairs, etc. Water was furnished by the Boston Water Board at no expense.

**Distribution of Carts, showing Entire Amount of Work done.**

No.	DISTRICT.	City carts.	Hired carts.	Contractors' carts.	Total.	Miles.
1	South Boston...	.....	9	1	10	24.55
2	East Boston....	.....	7	1	8	19.61
3	Charlestown ...	.....	7	1	8	17.00
4	Brighton.....	2	11	.....	13	32.00
5	W. Roxbury ...	2	15	.....	17	58.66
6	Dorchester ....	1	16	.....	17	56.99
7	Roxbury .....	.....	18	3	21	59.05
8	City Proper....	.....	7	27	34	57.23
	Free Watering.	.....	.....	2½	2½	4.50
	Totals... ..	5	90	35½	130½	329.59

## Money Expended, 1894.

No.	District.	City carts.	Contractors' carts.	Hired carts.	Labor.	Water-posts.	New carts.	Horse-hire.	Sundries.	Totals.
1	South Boston.....			\$5,812 50	\$659 45	\$59 42				\$6,531 37
2	East Boston.....			4,752 50	659 45	262 04				5,673 99
3	Charlestown.....			4,657 50	659 45	44 02				5,360 97
4	Brighton.....	\$1,382 50		7,587 50	659 45	189 75				9,819 20
5	West Roxbury....	1,245 00		9,805 00	1,318 90	381 18				12,750 08
6	Dorchester.....	665 00		10,100 00	1,318 90	538 42				12,622 32
7	Roxbury.....			11,130 00	1,318 88	308 52				12,757 40
8	City Proper.....		\$12,104 17	5,055 00	1,978 32	267 25	\$906 05	\$782 04	\$560 92	21,653 75
	Total .....	\$3,292 50	<sup>1</sup> \$12,104 17	\$58,900 00	\$8,572 80	\$2,050 60	<sup>2</sup> \$906 05	\$682 04	\$560 92	\$87,169 08

<sup>1</sup> \$280 due from last year.<sup>2</sup> One new Studebaker included.



The following table shows the amount expended in street-watering by the city for the last seventeen (17) years :

1878	.	.	\$23,595 02	1887	.	.	\$51,365 73
1879	.	.	26,747 18	1888	.	.	40,586 58
1880	.	.	33,306 95	1889	.	.	47,837 46
1881	.	.	36,178 24	1890	.	.	57,967 34
1882	.	.	45,797 00	1891	.	.	104,263 62
1883	.	.	53,502 29	1892	.	.	94,507 80
1884	.	.	34,518 47	1893	.	.	99,430 16
1885	.	.	43,854 68	1894	.	.	87,169 08
1886	.	.	44,940 35				

### WATER-POSTS OR STAND-PIPES.

In order to improve the watering service this year twenty-four new stand-pipes were erected in different parts of the city. Seven stand-pipes were reëstablished for various causes, principally on account of new streets, and new buildings being constructed where the pipes were formerly located.

The following table shows the locality of the pipes by districts :

District.	1891.	1892.	1893.	1894.	Increase over 1893.
South Boston.....	23	25	27	27	
East Boston.....	16	23	28	32	4
Charlestown.....	19	19	20	20	
Brighton.....	25	39	42	44	2
West Roxbury.....	50	59	60	65	5
Dorchester.....	61	72	75	82	7
Roxbury.....	53	60	65	68	3
City Proper.....	24	42	45	48	3
Totals.....	271	339	362	386	24

An increase of 115 stand-pipes since 1891.

## INCOME.

The Watering Division during the year watered streets in front of 106 school-houses, 14 police stations, and 28 engine-houses. In addition to the number cited we watered around several school-houses in course of construction.

The following sums were charged for street-watering:

Board of Police . . . . .	\$192 57
Engine-houses . . . . .	411 95
Louisburg square . . . . .	100 00
Marcella-street Home . . . . .	28 00
Homœopathic Hospital . . . . .	105 00
Dispensary Hospital . . . . .	12 25
Fairfax and Beaumont streets . . . . .	50 00
Section, Washington street, Jamaica Plain . . . . .	7 00
	<hr/>
Total . . . . .	\$906 77

Owing to lack of appropriation the School Board last year refused to pay for the watering in front of their school-houses.

The Boston Water Board, by its uniform promptness in furnishing new posts, in turning on or shutting off water, and in many other ways, has rendered the division much assistance during the year.

Mr. J. W. Smith, the Local Forecast official, offered valuable help by the mailing of weather maps twice a day and the furnishing of weather records.

## SANITARY DIVISION.

The work of the Sanitary Division includes the removal of house-offal and the removal of house and store dirt and ashes, accumulated from the burning of materials for heating buildings and for domestic purposes.

The following table shows the number of loads of offal collected and removed in the last eleven (11) years :

## AMOUNT OF HOUSE-OFFAL REMOVED.

Year.	No. of Loads.
1884 . . . . .	28,520
1885 . . . . .	31,206
1886 . . . . .	33,170
1887 . . . . .	36,724
1888 . . . . .	37,409
1889 . . . . .	40,183
1890 . . . . .	40,525
1891 <sup>1</sup> . . . . .	46,742
1892 . . . . .	46,343
1893 . . . . .	51,415
1894 . . . . .	50,637

Each load of offal is equivalent to fifty-seven (57) cubic feet, and weighs one and one-half ( $1\frac{1}{2}$ ) tons at certain seasons of the year, at others less.

The above table does not include previous to the year 1893 the amount collected by contract in East Boston and Brighton, which amounted to about 5,100 loads per year. Of the amount (50,637 loads) collected during the year 1894, 3,720 loads were collected by the East Boston contractor, 1,539 loads were collected by the Brighton contractor, and 3,296 loads were collected by the Dorchester contractor, leaving 42,082 loads collected by city teams.

The collection of this material is attended to in winter by an average regular force of 75 city offal carts and 163 men, and on contract work 16 offal carts and 32 men; making a total of 91 offal carts and 196 men. At different times, and especially in summer, an approximate extra force of 21 teams and 42 men are employed.

<sup>1</sup> Thirteen months.

The disposal has been made during the year in the following manner: The offal from the markets, and offal that is decayed, is put on board a scow and towed to sea; the offal of Charlestown is taken to the yard at Malden bridge and then disposed of to farmers; the offal of East Boston is collected by contractors, and is removed to Revere; the offal of the City Proper and South Boston is conveyed to the yard at the South End, and disposed of to farmers, who remove it daily; the offal of Roxbury and West Roxbury is conveyed to the yard on Highland street, and disposed of to farmers; a portion of the collections of West Roxbury is collected and sold to one man, who in turn sells it in Dedham; the offal of Brighton is collected by contract and disposed of outside of the district; and the offal in Dorchester has begun to be disposed of at the Gibson-street yard, where it is reduced by a process patented by the New England Construction Company, a description of which was given in the report of 1893.

This plant has been in operation for so little time that no judgment can at this writing be passed upon its efficiency from a sanitary point of view. It is designed to provide for the disposal of 20 tons daily, and can undoubtedly take care of a somewhat larger amount. Every detail is well constructed, and the general appearance of the buildings is suggestive of neatness and cleanliness. The actual results obtained will doubtless be of interest, and will appear in a future report.

#### COLLECTION AND DISPOSAL OF OFFAL.

YEAR.	Total amount collected.	Amount sold.	Amount dumped on scow and towed to sea or wasted.	Per cent. wasted to total collection.	Amount of receipts from sales.
1891 <sup>1</sup>	242,616 loads.	40,492 loads.	2,124 loads.	5 per cent.	\$30,672 65
1892 <sup>2</sup>	46,343 "	30,773 "	15,570 "	33 " "	21,282 82
1893 <sup>3</sup>	46,276 "	30,824 "	15,363 "	30 " "	20,790 03
1894 <sup>4</sup>	42,082 "	37,057 "	5,025 "	12 " "	26,262 40

January 21, 1895, New England Construction Company commenced to reduce the offal collected in the Dorchester District, and a temporary agreement was made with the con-

<sup>1 2 3</sup> Twelve months. Above table does not include contracts in East Boston and Brighton.

<sup>4</sup> In East Boston, 3,720 loads; Brighton, 1,539 loads; Dorchester, 3,296 loads; total, 8,555 loads, — collected during 1894 are not included in above table. For 1891 and 1892, East Boston and Brighton were estimated at 5,100 loads.

tractor for that district whereby he should continue the collection and deliver all the offal collected at the Gibson-street yard, and that he should be paid for the same on the basis of day-work.

The following table shows in convenient form the full force engaged in the collection of offal alone throughout the entire city :

THE FORCE EMPLOYED.

CITY FORCE.		Hired teams.	Contractors' teams.			Total.
			E. Boston.	Brighton.	Dorch'ter.	
Subforemen .....	2				1	3
Offal clerks .....	2					2
Teamsters.....	65	10	6	3	7	91
Helpers .....	71	10	6	3	7	97
Dumpers.....	3					3
Totals .....	143	20	12	6	15	196

The problem of a speedy disposal of offal without waste has not as yet been successfully solved by any large municipality. The attention given to it in the last five to ten years shows to what extent its importance has impressed itself upon the public mind, while in large cities of the interior, like Buffalo, Cleveland, Chicago, and St. Louis, the element of hasty extinction seems more desirable than any utilitarian consideration, and therefore destruction by fire is in great preference in Chicago, at least; yet the fact remains that no satisfactory plant has been established in either of these large cities that could be run either on a self-supporting basis or at a sufficiently low cost to guarantee its permanency, and at the same time be free from public condemnation and criticism. Crematories appear too costly, as a rule, reduction processes too offensive, due either to the use of objectionable reducing agents, or to undesirable odors from both the liquid and solid products of the reduction. The point of collection is generally the seat of complaint, because of failure to dispose of the collections promptly, and to properly wash out the offal wagons.

In some cases the city has had to come to the relief of the contracting corporations, and either contribute both the collected offal and all the animal-matter, or step in and run the

whole plant itself. Various experiments have been tried, and are being tried, and progress for the better can be reported; but the successful solution will only come when a truer knowledge of real facts is obtained, and the exact cost of every detail is carefully examined, not under the light of hasty and misleading comparisons between cities, ignoring the many differences in local conditions and requirements that always exist in different localities, but under the light of a comprehensive judgment that is seeking, only on the basis of sound and conservative reasoning, to establish a healthful method of treatment consistent with the demands of a growing population, and utterly void of all glittering suggestions of a sudden and mysterious fortune for an irresponsible inventor. Profit should be of secondary consideration, public health of the first.

#### REMOVAL OF ASHES.

The removal of ashes, house and store dirt, has been attended to during the year by a minimum force of 207 men and 88 city carts, also by 5 carts with an East Boston contractor, and 9 by the South Boston contractors, 5 carts by a West Roxbury contractor, and 8 carts by the Dorchester contractors. At different times, and especially during the winter months, an additional force of 50 teams and 100 men are employed.

This work shows a constant increase from year to year, as will be seen in the following table, and is an indication of the actual growth of the city:

#### AMOUNT OF ASHES, HOUSE AND STORE DIRT REMOVED.

Year.	Number of Loads.
1882 . . . . .	159,197
1883 . . . . .	169,610
1884 . . . . .	182,642
1885 . . . . .	193,734
1886 . . . . .	209,129
1887 . . . . .	220,186
1888 . . . . .	233,514
1889 . . . . .	227,325
1890 . . . . .	245,730
1891 <sup>1</sup> . . . . .	313,464
1892 . . . . .	303,878
1893 . . . . .	320,571
1894 . . . . .	326,798

Each load of ashes contains about 40 cubic feet.

<sup>1</sup> Thirteen months.

The following table shows the disposition of this material from February 1, 1894, to February 1, 1895, together with the amount of house-offal and the portion of street-sweepings that were disposed of by the Sanitary Division :

	Amount collected.	Deposited on low lands.	Towed to sea.	Collected by contractors.	Sold to farmers.
	Loads.	Loads.	Loads.	Loads.	Loads.
Ashes, house and store dirt.	326,795	164,833	95,779	66,186	
House-offal .....	50,637	.....	5,025	18,555	37,057
Street-sweepings.....	30,478	.....	30,478		
Cesspool dirt .....	1,376	.....	1,376		
	409,289	164,833	132,658	74,741	37,057

<sup>1</sup> This amount is included in the amount collected, 50,637 of the 8,555; 3,720 loads were collected in East Boston, 1,539 in Brighton, and 3,296 in Dorchester.

**Comparative Statement of Number of Loads of Ashes collected during 16 Weeks of the Summer and 16 Weeks of the Winter.**

Summer.	Loads.	Winter.	Loads.	Difference for Winter.
May 4, 1889, to Aug. 23, 1889	60,609	Nov. 30, 1889, to Mar. 1, 1890	82,866	22,257
“ 2, 1890, “ “ 21, 1890	65,239	“ 1, 1890, “ “ 13, 1891	93,660	28,421
“ 2, 1891, “ “ 21, 1891	76,625	Oct. 31, 1891, “ Feb. 19, 1892	100,223	23,598
Apr. 30, 1892, “ “ 19, 1892	82,034	“ 30, 1892, “ “ 12, 1893	106,772	24,738
“ 29, 1893, “ “ 18, 1893	91,721	“ 28, 1893, “ “ 16, 1894	106,851	15,130
“ 27, 1894, “ “ 16, 1894	88,865	“ 25, 1894, “ “ 7, 1895	116,915	28,050

The department in this city insists on a complete separation of offal and ashes. Receptacles containing both are not removed. The necessity of such separation is so obvious that no discussion is necessary. Other cities are recently following the example set by Boston.

The total expenditures of the division on account of offal and ashes, stock, etc., were \$484,012.80.

## SEWER DIVISION.

The past year has been one of unusual activity on the part of this division. The city has built with its own labor and by contract 90,802.77 linear feet of sewers, and designed and inspected 24,877.05 linear feet for private parties building under release; making a total for the year of 115,679.82 feet, or nearly twenty-two miles, which is about eight miles more than an average year. The total mileage of sewers now built is 384.72, of which 22.59 miles are intercepting sewers. Many new catch-basins and culverts have been built and old ones repaired. Over twenty miles of sewers have been cleaned and flushed, and 19,652.55 cubic yards of sludge removed from various catch-basins.

Under Chap. 323 of the Acts of 1891, as amended by Chap. 402 of the Acts of 1892, the Board of Street Commissioners had laid out a number of streets, and this division has built, by contract, in eight different streets, all the sewers, catch-basins, and house-drains which will ever be required, carrying the latter out to the curb-line. In the case of some unusually wide streets, it is the custom to build a sewer on each side of the street close to the curb, it having been found cheaper to do this than to build so many long house-drains. The object of building all these drains at one time is to make it feasible to preserve the street surface from the destructive effect of the constant digging of trenches for the laying of drains to connect the houses with the sewers.

The water and gas mains and house connections have been laid in these streets in the same manner and for the same reason.

In designing sewers for a large city, provision must be made not only for house sewage, but also for as much of the rainfall as will naturally find its way into the sewer system. The determination of the amount of house sewage is not complicated, as it is usually taken as about equal to the water supply of a given district. The size of the sewer is made to correspond with the maximum flow that occurs during the six hours of the day when the water supply is the greatest.

The care of the rainfall or the determination of the pro-



portion of rainfall that should be provided for in the sewer design is a much more complicated problem, and has so often been carelessly computed or left out of consideration, that the present generation is obliged to make up for the omissions of former engineers.

While the oldest inhabitant can tell of severe rain-storms that occurred years ago, no definite idea of their intensity can be gathered from the general terms of their description. Not until within recent years have rain-gauges been in use that would determine, except in a crude way, the amount of rainfall in a given time. When one looks for the records locally, he is surprised to find so little data adapted to the particular locality under consideration.

As far as Boston and vicinity is concerned, we are very much indebted to Mr. Desmond FitzGerald for the most careful records of both the water supply and the rainfall, together with a compilation of all the available data from different sources near this city. His records, taken with an automatically registering rain-gauge, show not only the total rainfall, but what is more essential, the *rate* of rainfall *during the period of heaviest constant fall*, which in reality determines the maximum flood discharge in sewers and water-courses. Diagrams of these rainfalls have been published in previous reports of this department. Recent study of this subject by eminent engineers has, through the published records of the profession, thrown much light on this question, and led to a much more intelligent judgment in all constructive design. The difference between the congested city area and the suburban area is fully appreciated, — the one with its impermeable pavements, brick sidewalks, and slated roofs, delivering with great rapidity the entire rainfall to the catch-basins and sewers; the other uncovered, porous in nature, drinking up with avidity the first downfall of rain, until saturated, or the "drainage vehicle" is established, when it then begins to deliver to the sewer system. After taking into consideration all these facts, and determining to a nicety the sizes of sewers, storm-drains, culverts, and overflows, and so regulating the same that no injudicious expenditure of money shall be made by building too large or prematurely, and no injury shall ensue by building too small, the working success of the design is nevertheless largely interfered with, because of the disregard of public good on the part of private owners of land, who fail entirely to appreciate the part in such design that *natural water-courses* play, and also fail to recognize that the law of equity demands that they be sacredly maintained, instead of being blotted out of sight.

The following statement of facts, as given by the Engineer of Sewer Division, Mr. E. S. Dorr, shows the tendency of the day, and is worthy of the careful consideration of all who have the general welfare and the general ultimate and permanent success of all our public works at heart :

#### SURFACE DRAINAGE.

"The subject of the proper disposal of the surface water in the suburban districts of the city is one of increasing importance.

"While the sewers in the City Proper, East and South Boston, and Charlestown are, in the main, large enough to carry both the sewage and surface water, those of the outlying districts are altogether too small to take the surface water, the areas to be drained being enormously larger than in the districts first mentioned. As the sewer system has been extended, year by year, into these outlying districts, the sizes designed have been but little larger than what was necessary to serve the needs of the district at the time of building. For many reasons this policy has been unavoidable; the size of outlets limits the size of extensions, and scarcity of funds often makes it imperative to build a sewer smaller than good judgment would dictate, in order to reach some community where the public health is endangered for lack of sewerage.

"In many cases it would be not only financially impracticable but would show bad business judgment to sink large sums of money in building sewers large enough for all time, when the development of the district is uncertain or likely to be slow. The result of these various causes is, that the sewer system in Dorchester, West Roxbury, Brighton, and parts of Roxbury, while large enough in general to take care of the house sewage and the street water during light rains, is totally inadequate to carry off the surface water of heavy rains.

"A few instances are here arranged in tabular form to show the discrepancy between the capacity of the sewer and the storm flow from the district which it serves, the first column giving the names of the street in which the sewer lies, the second the capacity of the sewer in cubic feet per second, the third the size of the district in acres, and the fourth an estimate of the storm flow from the district :

## WEST ROXBURY DISTRICT.

STREET.	Capacity in cubic feet per second.	Acreage.	Storm duty, cubic feet per second.
Keyes street, Call to South street.....	45	500	150
Centre street, South to Orchard. ....	33	230	92
Washington street, Keyes to Morton. ....	25	1,000	300
Roslindale Main Sewer, Dudley to Albano...	34	670	201
Cohasset to Washington. ....	60	720	216

## DORCHESTER DISTRICT.

Talbot avenue, Bernard to Washington. ....	20	550	165
Granite avenue, Adams street to Neponset River. ....	25	470	140
Centre street, Washington street to Mel-bourne street. ....	25	950	240
Gibson street, Dorchester avenue to Adams street. ....	30	1,100	280
Adams, Park, Clayton, and Commercial. ....	30	1,300	350

## BRIGHTON DISTRICT.

North Beacon street.....	35	305	110
Washington street, Market to Cambridge street. ....	6	94	50

"The difference between the capacity and duty is being carried by the water-courses and by running the sewers under a head, often with floodings in consequence.

"The figures given above represent the flow which may be expected from a rainfall at the rate of an inch per hour, and the discharge of storm water from the districts even with this rainfall will increase with the development by 20% and over; heavier rains, which occur at intervals of a few years, will yield vastly more.

"The state of things is growing constantly worse as the city grows, because, as new streets and houses are built, the proportion of impervious surface, from which the rain runs

off rapidly, is being increased, causing the rainfall upon any given area to be concentrated and discharged in less time than in former years.

"The inadequacy of the sewer systems to carry the storm water becomes, therefore, more apparent every year as this change in the character of the surface of the ground goes on. It is also apparent that it becomes correspondingly important to preserve and improve the natural water-courses to serve as carriers of the bulk of these floods, as the alternative to this is practically to rebuild the whole sewer system of the suburban districts upon a larger scale.

"In other words, we shall be compelled to regard our sewers as part of a partially separate system, although they were built and have been used upon the combined principle.

"By confining the sewers to the duty of carrying the house sewage and the discharge from a limited number of catch-basins only, they will prove in most cases large enough, while the natural water-courses, supplemented by surface drains in the streets, will have to be developed into a system for carrying away the storm water.

"It is also important to keep as much surface water as possible out of the sewer system, for the additional reason that all water, whether sewage or rain water, has to be lifted by the pumps of the intercepting system.

"But however much those whose business it is to care for the city's interest may be impressed with the importance of preserving the water-courses, it is very difficult to impress the general public with its importance. This department is constantly involved in contests with land-owners who are filling up and obliterating these water-courses, heedless of well-defined channels or conspicuous street culverts. And here comes in play that discouraging phase of human nature, in consequence of which men, who are honorable in their dealings with their fellows, seem to be able to make use of a much lower code of morals when they come to deal with that impersonal entity called the city.

"Although it may be explained to them that their course will entail upon the city in a few years an enormous expense for rebuilding the sewers of larger size, and although the law is perfectly clear that no man has a right to obstruct a natural water-course and thereby damage his neighbor, still their personal gain outweighs these theoretical considerations, and they will persist in obliterating the channel, and will bring every political and other influence to bear to the end that the water which should flow in that channel be turned into the sewer, and have in many cases succeeded.

"No one can pretend that the land speculator suffers any

hardship by not being allowed to improve his lot in this manner, because the depreciation in the value of the land caused by the presence of the water-course has undoubtedly been discounted in the purchase price in every transfer through which it has passed, and certainly no one can claim that he has any moral right to the increment of value added thus at the city's expense. Unfortunately, his legal right to it is clear if he can get the thing done, and therein lies the temptation.

"Now, the city's interest is such a vital one in this matter that it cannot afford to remain passive: its course must be more aggressive in the future, or many of the most important of these water-courses will be practically obliterated within a few years, as a perusal of the paragraphs describing their present condition (which will be given later) will prove.

"The law, as it stands, gives the city no rights which are at all commensurate with its interest in the matter.

"The city's obligation is to keep a good and sufficient culvert in operation on every water-course which crosses a public street.

"If an abutter upon a water-course starts filling it in, the city can take no action until actual damage has resulted from flooding the street.

"This is the sum total of the city's duties and rights in regard to these channels.

"The city should be given the right, by virtue of its interest, to prevent the obliteration of these channels, by notification and the imposition of suitable fines; this would require the action of the Legislature. This right would serve to keep some kind of a channel open; but even this is not sufficient, as it would result in leaving to every abutter the right to build such a channel as he might desire without any uniformity of size or material, whereas a channel, to be an efficient carrier of water, should be fairly uniform as to size and grade.

"All cities build sewer systems and assess a portion of the cost upon those benefited, instead of leaving it to be done by individuals, by mutual agreement, because that is the only practicable way to secure a working system; there is just as much reason for doing the same thing in the case of a system of surface drainage. In very many cases it is now necessary to improve the channel of water-courses by deepening, widening, and straightening. Before the city can do this work it must at present make formal takings and pay land damages.

"It must then assume the whole cost of the work, as it has

no power to assess. The land-owners meanwhile reap all the benefit, the value of lands abutting upon such a stream being enhanced enormously by such operations, being oftentimes converted from swamps into available building lots.

"If the city's right to secure the preservation of these water-courses could be clearly established by legislative action, as proposed above, then damages could not be proven in case the city made improvements upon them; this being so, the necessity for making takings would in most cases be avoided, by obtaining easements by agreement with the land-owners for such locations for the channels as the land-owners might prefer in order to enable them to cut up their land into building lots to the best advantage. If, in addition, the city were given the right to assess such proportion of the cost of improvement upon abutting lands as the Legislature might deem fit, the vexed question of maintaining an adequate system of surface drainage, as a necessary adjunct to the sewer system, would be in a fair way to be settled upon an equitable basis.

"A brief review of the present condition and needs of some of the principal natural water-courses of the city may prove instructive.

#### DORCHESTER DISTRICT.

"Tenean brook is the natural outlet for the drainage of a valley of about 800 acres. The advisability of improving its channel in order to afford relief to the overcrowded sewer systems in Park and Gibson streets was discussed in the Report for 1892, page 112 (to which reference is made), and the approximate cost stated as \$125,000, covering the main brook and its northern branch from the outlet at Mill street to Park street near the West End car-houses. An extension of the improvement of about 700 feet would reach and drain the 'Clay Pits,' so called, of which particular mention was made in the report of the committee of the Common Council on Dorchester marsh lands, made January 3, 1895. This would cost about \$12,000 more, making \$137,000 in all. Farther up stream on this northern branch the city has built an expensive storm sewer from Bowdoin street through Geneva avenue and Westville street.

"This improvement will have to be eventually extended down stream to connect with the one first mentioned, and the surface water from all streets in the vicinity conducted to it by a system of surface drains.

"Upon the southern branch of this brook, which reaches the vicinity of Rosemont street, the city has built a capacious culvert on Dorchester avenue, and private parties who are

developing a large tract of land west of Dorchester avenue will provide a channel for it there.

"The southerly branch of Davenport brook flows through the Churchill swamp, to which reference is also made in the report of the Common Council committee previously mentioned. A systematic deepening of this brook from its mouth upwards is the only means of draining this swamp.

"On the northerly branch the city has built culverts on Armandine, Bailey, and Fuller streets and Dorchester avenue. Private parties have obstructed and nearly closed this water-course on Armandine, near Washington street, and at Burt avenue; early action should be taken to compel the reopening of its channel.

"The Mattapan brook, which rises near Forest Avenue Station and flows through Mattapan Village to the Neponset river, if improved systematically would improve the sanitary condition of that region and render large areas of swamp lands available for building purposes.

"The improvement of the upper part of this brook in the vicinity of Capen, Fuller, and Seldon streets is a necessity, owing to the fact that whatever system of sewers is built there, it will be impossible to take into them any of the storm water.

"Passing over the divide into the valley of Stony brook, the brook which flows through the site of the Oakland Garden, claims our attention. The department has had a long controversy with the land-owners here, who have obliterated the channel of the brook and turned its waters into the sewers, to the great detriment of the latter.

"This work will have to be undone. Farther down stream, where this brook is larger, the city has built ample culverts on Spencer street, Wheatland avenue, and Millet street.

#### WEST ROXBURY DISTRICT.

"Stony brook and its main tributaries need not be discussed further, in connection with this subject, than to state that they are too large to be in danger of obliteration. If funds were available, however, improvements might be undertaken upon them which would amply repay the cost. Upon the Canterbury branch, in the vicinity of the Austin Farm; upon the Roslindale branch, near Florence and Washington streets: Whipple avenue and Ashland street; a large tract between Walter, Weld, and Hewlett streets; also in the vicinity of Anawan avenue and Colberg-street extension, and Beach and Irving streets, — are localities where a comparatively light cost and inexpensive improvement would convert partially submerged marshes into habitable building land.

"The whole valley of the Roslindale branch above the channel built by the City Engineer in 1891, extending across Dudley and Bellevue avenues and along Belgrade avenue to Central Station, needs attention.

"This locality now has sewerage, and is being rapidly built up, but the present condition of the brook must lead to damp cellars, flooded lands, malaria and fever, if not bettered before long.

"The brook which rises south of West Roxbury Station and crosses the Dedham Branch R.R. near Spring Street Station needs urgently a systematic deepening and straightening, as the premises of the inhabitants of this valley are flooded by it every winter; but as much sewage finds its way directly and indirectly into it, and as it flows into Charles river at a point above where several towns and cities take their drinking water from the river, a system of sewerage should precede its improvement, for this sewage is now practically destroyed before reaching the river by the natural processes of aeration and sedimentation during its slow progress through reedy marshes.

#### BRIGHTON DISTRICT.

"In this district more abuses of the natural water-courses, in the way of obstruction, obliteration, and connection with the sewers, has taken place than in any other part of the city. The most important of these is the brook near Shepard and Winship streets, which flows northerly across Washington and Cambridge streets, near their junction, and North Beacon, near Arthur street; it then crosses Everett street at the corner of Braintree street, passes under the Boston & Albany Railroad, Lincoln and Franklin streets, in a culvert of considerable size. From Franklin to North Harvard streets the little that remains of the brook is carried in an absurdly small channel, consisting of 24 and 18 inch pipes; from North Harvard street to the river it flows in an open channel, crossing Western avenue in a good stone culvert. It is taken into the sewer in Shepard street, causing the sewers in this street and Winship street to back into the cellars every spring, and during heavy storms at other seasons. It is taken in again at Cambridge street, overcharging this sewer badly. Again on North Beacon street, near Arthur street, it is turned into the sewer. On Everett street, at the corner of Braintree, it is again connected with the sewer, and the remnant is carried in a pipe through the cellars of several dwelling-houses. A culvert was built at the demand of this department through the retaining-walls and embankment of the approach of the new Everett-street bridge over the



Boston & Albany Railroad, but is inoperative. At this point the only way of restoring the brook channel seems to be by building a capacious storm sewer. The importance of establishing an uninterrupted channel for this brook may be seen from the facts that its water-shed, at North Beacon street, for instance, is three hundred and five acres, yielding a flow of one hundred and ten cubic feet per second from storms of moderate intensity in the present state of development of the district, and probably one hundred and seventy-five cubic feet in heavy storms, to say nothing of the increase of flow, which must come with the future development, while the capacity of the main sewer in North Beacon street, which is the only channel operating at present freely, is only thirty-five cubic feet per second.

"Between North Harvard street and Western avenue the channel of the brook runs through the Rena-street district, so called, comprising about sixty acres. On account of its proximity to the Metropolitan main sewer, a part of this district has been sewered upon the separate system, the house sewers being connected with the Metropolitan sewer and the surface drains with the brook. Another portion, including Rena, North Harvard, Bayard, Weitz, and Kenneth streets, has no surface drains as yet. As the connections of these house sewers with the Metropolitan sewer had to be made through regulators, at the demand of the Metropolitan Drainage Commission, these sewers have no means of relief, except by backing up into the cellars, whenever the water in the Metropolitan sewer rises high enough to cause the regulators to cut off the connection. Surface drains will have to be built, connecting with the brook, and serving as relief overflows for the house sewers, making it absolutely necessary for this portion of the brook channel, at least, to be preserved.

"It will be seen from the foregoing description that this important brook is practically obliterated in numerous places, and measures should be taken by the city promptly to reopen its channel; for, if it is not done, the city will be forced to build an enormously expensive storm sewer to take its place, from North Harvard street to Shepard street, a distance of about nine thousand feet, at an early date.

"A drain, formerly a brook channel, tributary to the main brook, comes from the Boston & Albany stock yards, and joins the main brook at Everett street, close to the railroad. This carries all the foul washings of the stock yards, and causes a nuisance in the channel of the main brook north of this point. This should be connected with the Everett-street sewer, as its contents are as foul as any sewage; but

first the main brook should be disconnected from the sewer and restored to its proper channel.

"The tract of land bounded by North Beacon, Murdock, Sparhawk, and Market streets is laid out in streets, and has some sewers, built years ago by private parties. These are too near the surface to serve as sewers, but may be utilized as surface drains. A brook formerly flowed from this land across Market street, near Faneuil street, and down to the pond near North Beacon street at the iron bridge, and a portion of a good walled-up channel may yet be seen, but the remainder is obliterated. If this channel is not kept open the surface water from this area will all have to go into the Market-street sewer, and thence into the North Beacon-street sewer, aggravating the overcrowded condition of that sewer.

"At Oak square there is a brook which runs across the square from Tremont street under the West End car-houses and through private land between Faneuil and Washington streets, crossing Faneuil street, and running through Brooks pond to join the main brook from Chandler's pond.

"A tributary to this brook, which drains all the catch-basins in Oak square, and will afford a relief overflow to the Washington-street sewer, has been cut off by the building of the foundations of the West End car-houses, and will have to be restored.

"The main brook from Chandler's pond is too large to be easily obstructed, and has had culverts of ample size built upon it by the city at Parsons, Hobart, Faneuil, Oakland, and Lake streets."

The desirability of systematically deepening and improving waterways like the above-mentioned, beginning at the outlet and working toward their source, is unquestionable, and should be carried out before the adjoining land is wholly cut up into house lots and largely built upon, as then it would involve expensive land takings and serious claims for damage.

It is equally plain that the city should not be forced to take within its street limits a diverted waterway, and thus lengthen its course, and necessitate a more costly construction. Other cities are taking up this question, with a view of utilizing the valleys of prominent streams as a part of their park system, after the manner of our own Muddy River Parkway, with its banks terraced and planted with shady trees and flowering shrubs, crossed by well-designed stone-arched bridges, till the whole effect is most charming to those who admire landscape. Where necessary, the lowering of the stream-bed might be the means of transforming worthless stretches of land into the choicest building

lots. The former City Engineer of Newton, Mr. A. E. Noyes, and Mr. E. A. Buss, in making a joint study of this question, suggest that if legislation is commendable in establishing a Board of Survey for the city of Boston, especially authorized to designate the locations and grades of streets for the best public good, and to prevent owners of property from making further departure therefrom, then there is much more ground for seeking legislative authority for a city to lay out and determine the size and location of its surface drains, and prevent interference of the same by property-holders, under fear of penalty.

Whatever course is taken, cheap and temporary expedients for private interests *only* should be wholly discountenanced.

## STREET-CLEANING DIVISION.

## STREET-SWEEPING DISTRICTS.

*District No. 1. — West End.*

This district includes that portion of the City Proper that is bounded on the west and north by the Charles river, on the east by Charlestown and Washington streets, on the south by School and Beacon streets and Boston Common.

*District No. 2. — North End.*

This district includes that portion of the City Proper bordering on the Charles river and harbor front that lies east of Charlestown and Washington streets, and north of Central and Milk streets.

*District No. 3. — South End.*

This district includes the southerly portion of the City Proper (business section), and is bounded on the north by Central and Milk streets, on the east by Fort-point channel, on the south and south-west by Kneeland, Lincoln, Harvard, and Utica streets, and on the west by Washington street.

*District No. 4. — South End.*

This district includes the portion of City Proper and Back Bay that lies southerly from the Public Garden and Common, and extends as far as Dartmouth and Dover streets, and is bounded on the west and north by Beacon and School streets, easterly by Washington, Kneeland, Lincoln, Harvard, Utica streets, and Fort-point channel, southerly by Dover, Berkeley, Columbus avenue, and Dartmouth streets.

*District No. 5. — Back Bay and South End.*

This district includes all of Back Bay and South End between Charles river and South bay from Dartmouth and Dover streets on the north, to Massachusetts avenue, Hammond and Hunneman streets on the south.

*District No. 6. — South Boston.**District No. 7. — Roxbury.**District No. 8. — Brighton.**District No. 9. — East Boston and Charlestown.*

Owing to the constant growth of Dorchester and West Roxbury, the work done by occasional visits of sections of gangs from the adjoining districts was no longer sufficient; but, on account of the small appropriation, no additional force could be organized. These districts, however, are constantly cared for by the Paving Division force, thus saving the expense of extra superintendence and headquarters.

The following table shows the average force employed during the year:

District.	Average No. men employed.
Office . . . . .	4
1, West End . . . . .	32
2, North End . . . . .	32
3, South End . . . . .	32
4, South End . . . . .	32
5, Back Bay . . . . .	31
6, South Boston . . . . .	32
7, Roxbury . . . . .	28
8, Brighton . . . . .	—
9, Charlestown and East Boston . . . . .	27
Yard and stable . . . . .	14
Push-cart patrol . . . . .	39
	—
Total . . . . .	303

The above-mentioned force use in carrying out the work of the division the following plant:

Three 3-horse machines, 19 double sweeping-machines, 21 single sweeping-machines, 11 water-carts, 90 street-carts, 100 horses (owned by the division), 14 asphalt-scrapers.

Eight of the above horses are driving-horses.

The push-cart patrol use:

Fifty-nine push-carts, 63 extra barrels, 3 street-carts (steel), 3 horses (all hired). Of the 59 push-carts, 40 are in daily service.

In addition to the above-mentioned carts, the division hires about 33 extra teams.

The following table shows the number of loads of street-sweepings removed each year during the last thirteen years:

Year.	No. of cartloads.
1882 . . . . .	52,381
1883 . . . . .	58,272
1884 . . . . .	62,222
1885 . . . . .	61,455
1886 . . . . .	59,875
1887 . . . . .	68,990

Year.	No. of cartloads.
1888 . . . . .	68,010
1889 . . . . .	70,476
1890 . . . . .	70,449
1891, 12 months . . . . .	87,113
1891, 13 months . . . . .	91,425
1892 . . . . .	106,829
1893 . . . . .	110,496
1894 . . . . .	<b>95,478</b>

#### STREET-CLEANING.

With a gross expenditure of \$307,113.16, this division has cleaned 10,432.75 miles of streets, removing 95,478 loads of street-dirt; has also cleaned 2,175.65 miles of paved gutters on macadamized streets, including special work on crossings, maintained 16 dumping-stations, removed excess of snow from pavements and crossings, paid special attention to the collection and removal of leaves in the fall of the year, maintained a paper-patrol in freezing weather and a push-cart patrol in the retail district throughout the year; and, besides making necessary repairs to its plant and purchasing the new stock needed, made a disposal at sea of some 30,766 loads of street-dirt. The average cost of sweeping streets, including supervision, labor, yard, and stable expenses, *pro rata* of dumps, and removal, was \$15.61 per mile.

If the gross expenditure, including stock and all miscellaneous expenses, be divided by the total mileage of the city, which is 452 miles, the outside expenditure per season per mile of street is found to be \$679, which is very low as compared with other cities.

The results of the push-cart patrol system have been most satisfactory, and an extension of the routes is surely warrantable. Fifty thousand two hundred and eighty barrel-loads were taken up by this force alone.

The public waste-barrels, located in the immediate vicinity of various fruit stores, inviting the deposition of refuse which would otherwise be thrown into the street, have found favor with the public, and much littering of the street is thereby avoided.

District 8, or Brighton, was wholly taken care of by the Paving Division; also, macadamized streets in other outlying districts were scraped by this division, and 37,557 single and 1,948 double loads of street-scrapings were removed. After a severe snow-storm, the paving force is called to the aid of the street-cleaning force, and the cost of snow-removal is reported in Appendix B.

## GENERAL REMARKS.

The general term "street-cleaning" appears to be used in common discussion in a very loose way, and very misleading comparisons and erroneous conclusions result. This has been more apparent of late, as the subject has been of more than ordinary interest to the public for the past few years, and receives a correspondingly increased consideration by the press everywhere. In these comparisons the cost quantities set over against each other under the simple term "street-cleaning" do not apply in different cities to the same or analogous work.

It starts with (1) sweeping streets only; it then grows to include (2) the removal of the dirt or road detritus to the dumps; then gradually extends its scope by the following successive steps: (3) collecting and removing ashes, store-dirt, house-dirt, and kitchen refuse and garbage; (4) final disposition, either at sea, by incineration, or some rendering process; (5) collecting and rendering dead animals; (6) cleaning of alleys and private ways; (7) cleaning of catch-basins, cess-pools, and vaults, and removing night-soil; (8) removal of snow; (9) scraping macadamized streets; (10) street-sprinkling.

Each of the above items involves an expense varying in amount according to local conditions and laws. Collecting ashes, for instance, may figure but \$2.00 per mile of street, while scraping a heavy macadamized street may cost \$100 per mile. Then, too, some cities report that a certain number of miles of streets are kept clean throughout the year, which in some cases is a fair percentage of the city mileage, and in others it is made to equal the total mileage. Other cities keep a record of streets swept or cleaned each day, and at the end of the year report the accumulated amount, or total miles actually cleaned. It does not require much mathematical calculation to ascertain which method gives the best showing for the least amount of expenditure. Local conditions vary greatly. Some cities are almost wholly paved, few, like Boston, are mostly macadamized or gravelled. Some have convenient dumps, others necessitate long hauls. The price of labor varies, and the hours of labor are not always restricted. Public sentiment demands more in one city than in another, so that the degree of cleanliness satisfactory in one latitude would only be a source of disgust in another. Mud on a crossing not over a boot-sole would raise a protest in some of our fashionable quarters, while in some of our Western cities, less whimsical by nature, no fault is found until there is "mud enough to bog a duck."

The history of the last five or ten years shows that the public demands a higher service, and the refinement of the present day asks for a greater opportunity for personal comfort and good health, and public opinion sanctions an increased expenditure. The amount spent on sanitary cleanliness was never so great as it is to-day in all our large cities, New York, for instance, about doubling the amount used five years ago. This desire for cleanliness has been spreading from city to city, until each one has its organized force with modern auxiliaries and appliances, vying with each other in the praiseworthy effort to banish the filthy and unsightly refuse from our public thoroughfares, and thus make them compare favorably with the streets abroad.

The time has now come when the official in charge must not study as to how much money he can spend for this work in a single year, but how much greater area he can keep *truly clean* without increasing the expenditure. Results without extravagance are really what is to be sought. In other words, the problem is resolved into this: By what methods can refuse of all kinds be turned to revenue or usefulness, and absolute waste be reduced to a minimum?

This can only be accomplished by a careful and painstaking process of differentiation or separating the products of street collections, and diverting each to a sphere of usefulness consistent with its character. Just as the material of a gravel bank becomes more useful and of wider adaptability to constructive requirements by a simple process of running it through a system of wire screens of varying mesh, until stones of a uniform size and sand particles are each collected together to be used for widely different purposes, so our refuse separated into its different elements may be turned to some good account, each being appropriated to its most valuable purpose, the clean ash its bed of filling, the rag its paper-mill, road detritus its fertilization market, and house-offal its digester, wherein it is further separated, yielding both animal and vegetable products of varying worth. This separating process must begin with each householder, and hence the requirement that different receptacles must be provided and used, one for street-dirt, another for ashes, and yet another for house-offal. The simple work of street-cleaning in its broad and sanitary sense must then resolve itself into a machine-like march of an organized force so controlled that, without interfering with the business use of streets, and without waste of time by conflicting effort, it shall take captive every scrap of filth and refuse legally left within its reach, and without delay or incidental annoyance remove the same to the nearest



point of collection, from which its final useful disposition can be made.

Its success must depend largely upon public coöperation with the municipal authorities, and individual effort throughout the community to refrain from carelessly allowing any of its waste dirt to be scattered about on any public highway.

### SMOKE NUISANCE.

Argument is not necessary to convince the citizens of this city or any city that soft-coal smoke is the cause of untold injury to health, to the beauty of our architecture, to the cleanliness of our office furnishings and records, and a destructive agency of marked efficiency within the business district in its pernicious contact with the finer textile fabrics, and general merchandise as well.

Theorizing as to the remedy is not what the people want, but a practical, energetic, and effective activity, directed by proper law and ordinance, that shall forthwith demand compliance with such regulations as will abolish existing nuisances, and prevent new construction from entirely disregarding this whole question in the laying out of new plant. Such has been the plan of operation of this department. A *résumé* of the work of the year shows some good results, not so much in the multiplicity of the so-called devices, as in the actual marked reduction of the percentage of "dense, dark smoke" emitted from various stacks, as shown by recent observations as compared with those taken upon the same plants a year ago. Owners of estates have been more liberal in their desire to contribute to the general good of the community by the purchase of better and more smokeless fuels; engineers have been more stringent in their orders to the firemen, and the firing itself has not been so often intrusted to the elevator boy or some other equally irresponsible employee.

The scarcity of good coal in this vicinity last winter, due to the great strike among the miners, had a marked effect upon plants in this city, complaints coming from stacks that had formerly given no trouble.

Nothing has been more apparent from the result of the observations than the extreme lenity of the present law, allowing as it does that a stack may belch forth dense, dark smoke for fully *one-fourth* of the time. The history of the movement here only shows that the *terms of the law* should be prescribed by the community at large which is offended against, rather than by the offenders themselves. City

Document No. 81 of 1893 shows that the consumers of soft coal themselves were on the alert to see that the movement did not become too stringent in its final recommendations.

Chapter 353 of the Acts and Resolves of 1893 is still in force, but it is hoped that the present Legislature will modify it, as there is great difficulty in securing conviction in court, a warrant having been refused on one of the worst cases of violation as shown by observations of the inspector.

During the past year 188 complaint notices have been served and 184 inspections made; making a total to date of 319 notices served, and 300 inspections completed.

The inspections may be classified as follows :

With patent device attached . . . . .	38
Now considering the adoption of some device . . . . .	29
Wing walls . . . . .	5
Using hard coal . . . . .	32
Using shavings or similarly offensive fuels . . . . .	35
Claim compliance with the law . . . . .	150
Supplied with device of their own design . . . . .	4
Ready to adopt a satisfactory device . . . . .	7

Devices in use are :

1st. *Down-draft Furnaces*, "*American Down-draft*." — Nevins estate, 78 Chauncy street; Lyceum Theatre, Washington street; Nevins Estate, 66 Chauncy street; Smith-Carleton Company, 79 Boston street.

"*Hawley Down-draft*." — Brookline Gas Light Company, Allston; West End Power Station, Cambridge.

2d. *Automatic Stokers*, "*Roney Automatic Stoker*." — State House Extension, Mt. Vernon street; Boston Electric Light Company, Boston street.

3d. *Furnaces with Hollow Walls (to admit heated air)*, "*Jarvis Setting*." — Edison Illuminating Company, Atlantic avenue; Edison Illuminating Company, Head place; Boston Electric Light Company, Condor street, East Boston; E. Hodge & Co., 160 Liverpool street, East Boston; Boston Fire Brick Company, 394 Federal street; J. Roessle, 60 Pynchon street, Roxbury; L. Prang & Co., 286 Roxbury street, Roxbury.

"*Smith Setting*." — J. R. Alley & Sons, 123 Heath street, Roxbury; Furbush & Co., Rutherford avenue, Charlestown.

"*Jones Economic Furnace*." — Crawford House, Brattle street; Boston Electric Light Company, Gilbert place; Boston Lead Works, Hampden street; Boston & Maine Railroad, Minot street; Boston Belting Company, Elmwood street.

4th. *Steam Jet, "Andrews Hot-Air Device."* — Nahum Chapin, Water street; W. Smith & Co., Marginal street, East Boston; A. T. Van Nostrand, Alford street, Charlestown; Grand Hotel, 417 Columbus avenue.

"*Standard Smoke Consumer.*" — B. H. Murray (Drake's Saw-mill), Border street, East Boston; Jordan, Marsh, & Co. (wholesale), corner Bedford and Lincoln streets; Houghton & Dutton, corner Tremont and Beacon streets.

"*Bartlett & Hayward Patent Damper*" (*perforated bridge-wall.*) — New Court-house, Pemberton square; Brown, Durrell, & Co., Kingston street.

"*Fyffe's Deflector*" (*wing walls.*) — Homœopathic Hospital, corner Concord and Albany streets; Page Bros., 231 Cambridge street.

"*Whitfield Grate.*" — Boston & Albany Railroad Grain Elevator, Chandler street.

Of the thirty-two plants reported as using hard coal, eight have since gone back to soft coal, mainly on the ground that they needed greater steaming capacity. Several are using soft coal and hard-coal screenings, and claim that they can keep within the limits of the law by so doing.

All of the above-mentioned inspections have been subjected to mechanical study, from which the following defects were made evident :

Chimney too small . . . . .	66
Air-space in grate too small . . . . .	21
Smoke-flue too small . . . . .	9
Number of tubes small . . . . .	1
Forced at times, especially in winter . . . . .	42
Boilers very old . . . . .	4
Chimney and smoke-flue small . . . . .	3
Boiler overworked . . . . .	1
Boiler heated by waste gases . . . . .	1
Insufficient data . . . . .	1
No apparent defect . . . . .	151

Circulars in regard to the selection of fuel and care in firing have been issued from time to time. A disposition to comply with the law and with the department regulations has been generally evident, showing that our community is made up mainly of law-abiding citizens. Even when the strike among coal operatives was on in April, the effects of which were very noticeable in June and July, and complaints began to multiply, investigation showed that, while inferior grades of bituminous coal were being shipped to this port in large quantities, owners were for the most part willing to subject

themselves to a little larger expense, and mix some hard coal with the soft, to mitigate in some degree the increased nuisance. On July 10 six additional observers were given to the inspector, to aid in taking records of various stacks. Later, this number was reduced to two men, who have covered the city regularly by districts, and have been keeping the department informed of any unusual appearance of smoke emission.

Some fifty set observations have been made on various stacks, lasting from two to sixteen hours each. These showed per cents. of dense, dark smoke varying from 5.1 to about 60, with one abnormal one of 78.8 per cent. Plants well equipped for complete combustion showed from 10 to 20 per cent. A few well-regulated and well-proportioned plants without device managed to keep their smoke from 20 to 26 per cent.

NEW LOCATIONS.

On July 24 a standing objection was filed with the Survey and Inspection of Buildings Department against the granting of permits for new boilers, without the applicants for locations first satisfying this department that they would endeavor to comply with the law, either by the adoption of a smoke-consuming device, or the use of a smokeless fuel.

In practice, the following formalities are observed before the applicant can receive permission to locate a new or relocate an old boiler-plant. He first makes application to the Inspector of Buildings, and is informed that before permission can be granted, the consent of the Superintendent of Streets must be obtained.

The Inspector of Buildings then fills out the upper portion of the following blank and sends it to the Superintendent of Streets :

(Form A.)

CITY OF BOSTON.

OFFICE OF INSPECTOR OF BUILDINGS,

BOSTON, ..... 189 .....

To the Superintendent of Streets:

You are hereby notified that .....

..... of ..... has made application for location of a boiler at No. .... on this date.

Inspector of Buildings.

No. .... OFFICE OF SUPERINTENDENT OF STREETS,  
 ROOM 47, CITY HALL, ..... 189 .....

To the Inspector of Buildings :

You are hereby notified that the above-named applicant has ..... signified his intention of meeting the requirements of the Superintendent of Streets relative to the prevention of smoke, either by the adoption of a smokeless fuel, or of a satisfactory smoke-consuming device, and that I herewith  $\left\{ \begin{array}{l} \text{waive} \\ \text{or} \\ \text{renew} \end{array} \right\}$  objections to the granting of permit .....

.....  
 Superintendent of Streets.

On receipt of this notification, the Superintendent of Streets fills out the following blank and sends it to the applicant, who must then appear before the Superintendent of Streets to obtain his sanction of the proposed boiler location.

(Form B.)

No. .... STREET DEPARTMENT,  
 CITY HALL,  
 BOSTON, ..... 189 .....

OFFICE OF THE SUPERINTENDENT,  
 ROOM 47.

M .....

DEAR SIR: You are herewith notified that this department objects to the granting of your petition for leave to locate ..... boiler at ..... as per your application on file in the office of the Inspector of Buildings, unless the same ..... provided with an effective smoke-consuming device.

Will you please call at this office in reference to the matter, and oblige,

Yours truly,

.....  
 Superintendent of Streets.

Pending the granting of the location, an inspection is made of the proposed boiler plant, and if the Superintendent of the Street Department finds that there is reasonable probability that it will comply with the law and ordinances, the applicant is required to sign the following blank, which states the nature of the boiler plant, coal to be used, etc. :

(Form C.)

No. ....

BOSTON, .....

, 189 .....

Application for Location of Boiler :

by .....

of .....

at .....

*To the Superintendent of Streets :*

I hereby agree to comply with the statute laws and city ordinances, and the requirements of the Superintendent of Streets, relating to the prevention or the suppression of smoke, and propose to adopt ..... a device for said purpose, within ..... days from date, and will see that due care is continually exercised both in the selection and use of fuels, to the end that the amount of smoke emission and nuisance shall be reduced to a minimum.

The lower half of Form A is then filled out with "objections waived," and it is then returned to the Inspector of Buildings, who may then grant the location in the regular manner. It will be seen that by this agreement (Form C), signed by the applicant, the Superintendent of Streets obtains control over the boiler plant so far as smoke nuisance is concerned, and, in case this agreement is afterwards violated, the permission to operate such a boiler plant may be revoked by the Inspector of Buildings, through request of the Superintendent of Streets.

On the other hand, if the Superintendent of Streets is not satisfied, after investigation, that the proposed boiler plant will comply with the law relating to the smoke nuisance, the lower half of Form A is filled out with "objections renewed." This is then returned to the Inspector of Buildings, and the application is thereupon denied. In such a case the applicant, as a last resource, may apply to the Board of Appeal on Boiler Locations, and the decision of this Board is final. This Board of Appeal, as now constituted, consists of the present Superintendent of Streets; the Chairman of the Board of Fire Commissioners, Robert G. Fitch; the Chairman of the Boston Board of Health, Samuel H. Durgin, M.D.; and Messrs. George R. Swasey, Arthur H. Everett, and William H. Sayward.

Under the foregoing arrangement, ninety-two notices of applications have been received from the Inspector of Buildings. Of this number, in fifty-six cases objections have

been waived on account of being mainly hot-water heaters, constructed so as to burn hard coal only; in thirty cases, the applicant has shown a satisfactory guarantee that proper precautions are being taken, and has signed the record-book, agreeing to conform to all necessary requirements. Three cases are still open and await the results of further inquiry.

While the law is not at present as stringent as desirable, there is no doubt that many owners of both large and small plants show a decided willingness to comply with such requirements of the department as will, without unreasonable cost, abate the nuisance, and thus contribute to the general comforts and good health of the community; but greater stringency of law will be required to enforce action upon parties who are unwilling to be subjected to any expense whatever in the matter, but lean wholly to the item of economy, and are loath to incorporate any change, unless it can show a saving in their running expenses. In many plants the local conditions are such that the element of economy can readily become a factor of reasonable promise, but if those conditions will not admit of changes in the direction of economy, then it is surely the duty of the owner to offset his unavoidably cramped conditions with the adoption of some relieving expedient, even though it may at the same time subject him to a slightly increased expense.

#### CONCLUSION.

Allusion has been made in the foregoing report to the most important portions of the work of the year, but the limited space allotted to an executive report of this kind precludes the mention of numerous other features that would bear discussion.

In the appendices which follow, however, detail items may be found, arranged in convenient form, of such street and sewer construction as seemed of sufficient importance to merit special mention.

The table of former superintendents and document numbers of the annual reports at the end (Appendix F) will be found of convenient reference for general use in connection with the history of department work in past years.

Respectfully submitted,

HENRY B. WOOD,

*Executive Engineer.*





# STREET DEPARTMENT.

## ORGANIZATION, 1894.

Central Office . . . . Room 47, City Hall.

HENRY H. CARTER, *Superintendent of Streets.*  
(Until December 8, 1894.)

CHARLES R. CUTTER, *Acting Superintendent.*  
(From December 8, 1894, to January 14, 1895.)

BERTRAND T. WHEELER, *Superintendent.*  
(From January 14 to the present time.)

HENRY B. WOOD, *Executive Engineer.*  
JOHN W. McDONALD, *Purchasing Agent.*

### BRIDGE DIVISION.

14 Beacon Street.

JOHN A. McLAUGHLIN, *Deputy Superintendent.*

FREDERICK H. SPRING, *Chief Clerk.*

### PAVING DIVISION.

Room 41, City Hall.

CHARLES R. CUTTER, *Deputy Superintendent.* (Until January 24.)

DARIUS N. PAYSON. (January 24 to the present time.)

BENJAMIN B. TREMERE, *Chief Clerk.*

### SANITARY DIVISION.

12 Beacon Street.

PHILIP A. JACKSON, *Acting Deputy Superintendent.*

M. J. MURRAY, *Chief Clerk.*

### SEWER DIVISION.

Room 44, City Hall.

HENRY W. SANBORN, *Deputy Superintendent (ex officio, Engineer Improved Sewerage).*

FRANK H. RICE, *Chief Clerk.*

Engineer's Office, 12 Beacon Street.

E. S. DORR, *Engineer in Charge.*

### STREET-CLEANING DIVISION.

14 Beacon Street.

PHILIP A. JACKSON, *Deputy Superintendent.*

THOMAS McLAUGHLIN, *Chief Clerk.*

### BOSTON AND CAMBRIDGE BRIDGES.

HENRY H. CARTER, *Commissioner for Boston (ex officio, until December 8, 1894)*

CHARLES R. CUTTER. (Acting Commissioner from December 8, 1894, to January 14, 1895.)

BERTRAND T. WHEELER. (Since January 14.)

WILLIAM J. MARVIN, *Commissioner for Cambridge.*



## APPENDIX A.

REPORT OF THE DEPUTY SUPERINTENDENT OF THE  
BRIDGE DIVISION.14 BEACON STREET,  
BOSTON, February 1, 1895.MR. B. T. WHEELER, *Superintendent of Streets* :

DEAR SIR: I herewith respectfully submit the following report of the acts and expenditures of the Bridge Division from February 1, 1894, to January 31, 1895. There was allotted for the care, maintenance, etc., of the bridges during this period the sum of \$125,000, which by reason of the opening of L-street bridge to public travel, and in consequence of necessary work performed on Charles-river bridge that it might be used as a thoroughfare, was found to be insufficient to the amount of \$5,787.21. Thus the total sum regularly expended on the bridges and charged to this division was \$130,787.21.

The total number of bridges in Boston, not including culverts, is one hundred and twelve; four of these, viz., Harvard, Canal, Prison Point, and West Boston bridges, all connecting Cambridge, are in the care of two commissioners, one of whom is appointed by the city of Boston and the other by the city of Cambridge. The remainder are under the supervision of this division, and are thus tabulated: Thirty-four are wholly supported by railroad corporations, and seventy-eight are supported wholly or in part by the city of Boston. Included in this number are twenty-three tide-water bridges, provided with draws. The increase of two bridges consists of one at Audubon road, over Brookline branch of the Boston & Albany Railroad, and Florence street, over Stony brook.

Of the tide-water bridges there are eleven of great importance, viz., Meridian street (horse power), Chelsea North and Chelsea South (both steam power), Malden (man power), Warren, Charles River, Congress, L-street, and Broadway (all steam power), Federal and Dover streets (both electricity).

The condition of Malden, Charles-river draw, Broadway, and Congress-street bridges is unsatisfactory and require most careful attention.

Charles-river bridge was closed to team travel July 18, 1894, at 1.45 P.M., as it was considered dangerous. Extensive repairs, under the supervision of the City Engineer's Department, were performed under contract, and the bridge was reopened to team

travel on October 16, 1894, at 9 A.M. The draw, however, is still in very bad shape, as its foundation is much decayed.

Chelsea-street bridge is in process of rebuilding and will be completed in a few weeks. Dover-street bridge has been completed and is in running order, giving complete satisfaction. L-street bridge has also been opened to public travel during the year.

Embodied in the report will be found a detailed statement of the expenditures and a description of the work performed on each bridge; also a tabulated arrangement of those bridges supported wholly or in part by the city of Boston; widths of draw openings, widths of bridges, roadway, and sidewalks; kind of pavement used; number of draw openings made for navigation, and a census of traffic taken on some of the most important bridges, October 8, 1894, as a comparison with that taken in April, 1891, June, 1892, and September, 1893.

The inland bridges have been carefully looked after, and special effort has been made to keep them safe and clean. They have been thoroughly swept each week and scupper-holes have been kept free and clear. The operatives of the tide-water bridges have performed their duties in an efficient manner and have kept their piers and premises in a safe condition, and no accidents have been reported that could in any way be charged to the negligence or carelessness of the draw-tenders or their assistants.

The material used for repairs has been of good quality, and the delivery of the same in the different districts by those having the contracts has been prompt and efficient, causing no delay for the proper performance of the work.

As formerly, the same care has been exercised to keep on hand duplicate sets of gearing, and many times during the year this precaution has lessened public inconvenience.

#### SPECIAL WORK.

The report contains a description of work performed and expenditures on several bridges, money for which was provided from special appropriations.

The total amount of money so expended and charged — \$33,066.55.

Of this sum, for contract work, material, and repairs, which could not be performed by our men — \$27,729.33.

The balance was directly beneficial to our own bridge mechanics — \$5,337.22.

#### PUBLIC LANDING-PLACES.

The following public landing-places have been built by the city, and are maintained and controlled by the Street Department:

*Charles-river Bridge.* — Size, 40 × 60. Built in 1890. Moored from city's property.

*Essex-street Bridge.* — Size, 9 × 23. Built in 1890. Moored from city's property.

*East Boston, Public Landing.* — Size, 18 × 30. Built in 1893. Moored at dock of East Boston Dry Dock Company. Dock and flats leased at \$200 per year.

*Commercial Wharf.* — Size, 30 × 50. Built by M. F. Sullivan: contract dated January 1, 1892. Moored at dock of Commercial Wharf Corporation. Dock and flats leased November 30, 1891, at \$1,000 per year.

*Federal-street Bridge.* — Size, 20 × 35. Built by M. F. Sullivan, October 26, 1892. Moored from city's property.

CABLE-HOUSES.

The following is a list of cable-houses on bridges in charge of this division:

New England Telephone and Telegraph Company:  
 Charles-river bridge . . . . . 2 houses.  
 Chelsea, south bridge . . . . . 1 house.  
 Congress-street bridge . . . . . 2 houses.  
 (Erected in 1882.)

American Telephone and Telegraph Company:  
 Federal-street bridge (erected in 1890) . . . 1 house.

West End Street Railway Company:  
 Federal-street bridge . . . . . 2 houses.  
 Warren bridge . . . . . 2 houses.  
 (Erected in June, 1892.)

New England Telephone and Telegraph Company:  
 Dover-street bridge . . . . . 2 houses.  
 (Erected in 1894.)

Postal Telegraph Cable Company:  
 Congress-street bridge . . . . . 2 houses.  
 (Erected in 1894.)

Very respectfully yours,

JOHN A. McLAUGHLIN,  
*Deputy Superintendent.*

FINANCIAL STATEMENT.

REGULAR APPROPRIATION.

Appropriation, 1894-5 . . . . .	\$125,000 00
Transferred from Paving Division, December 6, 1894 . . . . .	5,000 00
Transferred from Paving Division, January 25, 1895 . . . . .	787 21
Total . . . . .	<u>\$130,787 21</u>
Amount of expenditures from February 1, 1894, to January 31, 1895 . . . . .	\$130,137 21
Transferred to City Clerk Department, December 31, 1894 . . . . .	650 00
	<u>\$130,787 21</u>

## EXPENDITURES.

*Administration.*

Office expenses :	
Printing . . . . .	\$72 00
Stationery and postage . . . . .	120 30
Office books . . . . .	77 25
Engraving plates, etc., annual report . . . . .	81 83
Requisition book, purchasing agent . . . . .	7 63
Envelopes, Superintendent of Streets . . . . .	46 36
Book of warrants . . . . .	8 03
Repairing books, etc. . . . .	50 90
Atlas, Dorchester . . . . .	36 50
Telephone . . . . .	156 00
Sundries . . . . .	34 67
	<hr/>
	\$691 47
Salaries of Deputy Superintendent, Clerks, and Messenger . . . . .	6,394 00
Salaries of General Foreman and two District Foremen . . . . .	5,061 00
Salary of Clerk of Committee on Streets and Sewers, nine weeks . . . . .	258 84
Travelling expenses . . . . .	85 00
Board of Deputy Superintendent's horse and extra horse . . . . .	576 00
	<hr/>
Amount expended, administration . . . . .	<u>\$13,066 31</u>

## TOTAL REGULAR EXPENDITURES.

Expenditures, administration . . . . .	\$13,066 31
“ on tide-water bridges . . . . .	96,805 80
“ on inland bridges . . . . .	6,712 36
“ north yard and stable . . . . .	4,834 47
“ south “ “ “ . . . . .	8,718 27
	<hr/>
Total amount expended for the year, February 1, 1894, to January 31, 1895 . . . . .	<u>\$130,137 21</u>

## INCOME.

The amount of bills deposited with the City Collector during the year was as follows :

Work done by this division . . . . .	\$98 62
Sale of old material . . . . .	150 00
Rent of land and buildings . . . . .	1,350 00
	<hr/>
Total . . . . .	<u>\$1,598 62</u>

## TIDE-WATER BRIDGES.

**Broadway bridge** (over Fort-Point Channel).

Sheathed draw and roadway, put in new section of iron fence, put down new wheel guards, repaired piers and waterways, repaired engines, machinery, latches, etc.

Carpenters . . . . .	\$2,101 23	
Painters . . . . .	15 75	
Lumber . . . . .	1,478 24	
Nails . . . . .	115 00	
Ironwork . . . . .	994 90	
Repairing engines . . . . .	48 23	
Hardware . . . . .	14 57	
Paint stock . . . . .	3 30	
Cement . . . . .	1 20	
Teaming . . . . .	9 00	
Smoke-stack . . . . .	7 00	
	<hr/>	\$4,788 42

## Regular expenses :

Draw-tenders . . . . .	\$5,737 86	
Substitutes . . . . .	54 42	
Coal . . . . .	190 08	
Gas . . . . .	57 07	
Water . . . . .	25 00	
Falls . . . . .	22 10	
Ice . . . . .	6 00	
Small supplies . . . . .	62 83	
	<hr/>	6,155 36
		<hr/>
		\$10,943 78

**Cambridge-street bridge** (from Brighton to Cambridge).

Sheathed roadway and draw, repaired waterways, piers, and draw-tender's house, and made general repairs on hoisting machinery.

Carpenters . . . . .	\$124 50	
Lumber . . . . .	94 88	
Nails . . . . .	2 25	
Ironwork . . . . .	139 45	
Hardware . . . . .	1 95	
Car-fares . . . . .	9 75	
Smoke-stack . . . . .	3 75	
	<hr/>	\$376 53

## Regular expenses :

Draw-tender . . . . .	\$365 56	
Coal . . . . .	4 33	
Small supplies . . . . .	9 07	
	<hr/>	378 96
		<hr/>
		755 49

*Carried forward,*

---

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\$11,699 27

*Brought forward,*

\$11,699 27

**Charles-river bridge** (from Boston to Charlestown).

Sheathed draw and repaired deck, put in new timbers on side of abutments, repaired sidewalks, capping, fences, draw-tender's house, piers, and waterway, built two new road-gates and repaired the two old ones, general repairs on machinery and engine, repaired track-timbers and boat, painted bridge-buildings and fence, and special contract work done by Trumbull & Ryan, strengthening the piles and under-timbers.

Carpenters . . .	\$866 25	
Painters . . .	331 00	
Lumber . . .	701 87	
Nails . . .	48 70	
Ironwork . . .	600 83	
Repairing engine,	105 87	
Hardware . . .	12 43	
Paint stock . . .	69 43	
Repairing radiator, trap, etc. . .	26 74	
Painting signs . . .	8 00	
Brick . . .	3 00	
	<hr/>	\$2,774 12

Contract work :

Advertising . . .	\$5 25	
Inspector . . .	188 00	
Piles . . .	171 36	
Spurshores . . .	185 00	
Girders and braces,	570 00	
Girders and caps,	159 60	
Stringers and bolts . . .	28 98	
Labor . . .	959 75	
Lumber . . .	353 16	
Ironwork . . .	244 70	
15% added . . .	237 39	
	<hr/>	3,103 19
		<hr/>
		\$5,877 31

Regular expenses :

Draw-tenders . . .	\$5,023 46
Coal . . .	399 48
Gas . . .	29 97
Water . . .	25 00
Cordage . . .	159 30
Ice . . .	6 00
Salt . . .	5 20
Lubricating oil . . .	52 90
Grate . . .	11 50

*Carried forward,*

\$5,712 81    \$5,877 31    \$11,699 27



<i>Brought forward,</i>	\$5,712 81	\$5,877 31	\$11,699 27
Snatch block . . . . .	10 50		
Kerosene . . . . .	8 88		
Small supplies . . . . .	72 25		
	<hr/>	5,804 44	
		<hr/>	11,681 75

**Chelsea bridge** [North] (over North channel, Mystic river).

Sheathed draw and repaired deck, also repaired latches, piers, waterway, and engine-house, adjusted draw, general repairs on machinery and engine, repaired boat and reset two buoys.

Carpenters . . . . .	\$624 50		
Painters . . . . .	33 25		
Lumber . . . . .	523 06		
Nails . . . . .	12 50		
Ironwork . . . . .	159 74		
Repairing engine . . . . .	38 69		
Hardware . . . . .	9 03		
Paint stock . . . . .	12 60		
Plumbing . . . . .	4 24		
Resetting buoys . . . . .	101 50		
Wire cable for draw . . . . .	40 83		
Repairing boat . . . . .	18 00		
	<hr/>	\$1,577 94	

Regular expenses :

Draw-tenders . . . . .	\$3,589 04		
Substitutes . . . . .	330 68		
Coal . . . . .	290 71		
Gas . . . . .	16 77		
Water . . . . .	27 50		
Ice . . . . .	6 00		
Lubricating oil . . . . .	14 20		
Small supplies . . . . .	53 84		
	<hr/>	4,328 74	

5,906 68

**Chelsea bridge** [South] (over South channel, Mystic river).

Sheathed draw and repaired deck, repaired waterways, road-gates, and boat, made general repairs on engine and draw machinery, and painted draw-tenders' house inside.

Carpenters . . . . .	\$286 25		
Painters . . . . .	177 00		
Lumber . . . . .	304 96		
Nails . . . . .	4 75		
Ironwork . . . . .	28 78		
Hardware . . . . .	27 31		
Paint stock . . . . .	37 12		
Repairing boat . . . . .	10 00		
	<hr/>	\$876 17	

*Carried forward,*

\$876 17      \$29,287 70

<i>Brought forward,</i>	\$876 17	\$29,287 70
Regular expenses:		
Draw-tenders . . . . .	\$4,386 72	
Substitutes . . . . .	158 57	
Coal . . . . .	232 16	
Gas . . . . .	20 74	
Water . . . . .	32 50	
Ice . . . . .	6 00	
Clock . . . . .	10 00	
Hose . . . . .	7 75	
Small supplies . . . . .	38 82	
	<hr/>	
	4,893 26	
	<hr/>	5,769 43

**Chelsea-street bridge** (from East Boston to Chelsea).

Repaired sheathing on roadway and draw.		
Carpenters . . . . .	\$2 50	
Lumber . . . . .	9 52	
Nails . . . . .	10 00	
Ironwork . . . . .	81 32	
Car-fares . . . . .	1 50	
	<hr/>	
	\$104 84	
Regular expenses:		
Draw-tender . . . . .	\$287 50	
Lubricating oil . . . . .	3 50	
	<hr/>	
	291 00	
	<hr/>	395 84

**Commercial Point or Tenean bridge** (Dorchester).

Repaired deck, sheathing, and hoisting machinery, made new flaps and painted fence.		
Carpenters . . . . .	\$44 25	
Painters . . . . .	34 25	
Lumber . . . . .	14 94	
Ironwork . . . . .	32 06	
Paint stock . . . . .	7 17	
Car-fares . . . . .	4 80	
	<hr/>	
	\$137 47	
Regular expenses:		
Draw-tender . . . . .	50 00	
	<hr/>	
		187 47

**Congress-street bridge** (over Fort-Point channel).

Sheathed draw twice, repaired pier, latches on draw, waterways, and draw-tenders' house, general repairs made on engines and machinery, repaired fender-guard and boat, painted bridge and fences, and red-leaded all ironwork.		
Carpenters . . . . .	\$425 70	
Painters . . . . .	980 75	
Lumber . . . . .	512 32	
Nails . . . . .	28 90	
	<hr/>	
<i>Carried forward,</i>	\$1,947 67	\$35,640 44

<i>Brought forward,</i>	\$1,947 67	\$35,640 44
Ironwork . . . . .	389 37	
Hardware . . . . .	9 79	
Paint stock . . . . .	205 72	
Repairing boat . . . . .	22 85	
Repairing piling . . . . .	186 74	
Teaming . . . . .	23 00	
	<hr/>	\$2,785 14

## Regular expenses :

Draw-tenders . . . . .	\$5,133 03	
Substitutes . . . . .	467 49	
Coal . . . . .	289 60	
Water . . . . .	106 75	
Grates . . . . .	47 44	
Kerosene . . . . .	38 53	
Copper pans . . . . .	7 10	
Clock . . . . .	10 00	
Ice . . . . .	6 00	
Waste . . . . .	8 10	
Salt . . . . .	6 80	
Small supplies . . . . .	89 48	
	<hr/>	6,210 32
		<hr/>
		8,995 46

**Dover-street bridge** (over Fort-Point channel).

Built temporary fence, repaired foot-bridge, raised and repaired draw-tenders' house and painted same inside and out two coats.

Carpenters . . . . .	\$330 00	
Painters . . . . .	312 25	
Lumber . . . . .	207 60	
Nails . . . . .	28 00	
Ironwork . . . . .	4 26	
Hardware . . . . .	26 73	
Paint stock . . . . .	37 70	
Plumbing . . . . .	12 50	
Wire cable for draw . . . . .	46 54	
Plastering house . . . . .	136 25	
New chimney . . . . .	17 63	
Lettering signs . . . . .	10 00	
	<hr/>	\$1,169 46

## Regular expenses :

Draw-tenders . . . . .	\$2,912 63	
Substitutes . . . . .	1,022 60	
Coal . . . . .	19 56	
Cordage . . . . .	10 05	
Ice . . . . .	6 00	
Small supplies . . . . .	30 59	
	<hr/>	4,001 43
		<hr/>
		5,170 89

*Carried forward,*

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\$49,806 79 .

*Brought forward,*

\$49,806 79

**Essex-street bridge** (from Brighton to Cambridge).

Repaired deck, sheathing and piers.

Carpenters . . . . .	\$197 96	
Lumber . . . . .	173 26	
Nails . . . . .	14 00	
Ironwork . . . . .	21 58	
	<hr/>	406 80

Regular expenses:

Draw-tender . . . . .	\$658 32	
Substitute . . . . .	12 66	
Coal . . . . .	8 46	
Lubricating oil . . . . .	6 50	
Small supplies . . . . .	8 28	
	<hr/>	694 22

1,101 02

**Federal-street bridge** (over Fort-Point channel).

Sheathed draws twice, repaired road-gates, built new float stage, repaired pier, waterways, and machinery, painted fence-gate and red-leaded iron-work.

Carpenters . . . . .	\$244 12	
Painters . . . . .	15 00	
Lumber . . . . .	333 58	
Nails . . . . .	17 88	
Ironwork . . . . .	172 89	
Hardware . . . . .	24 61	
Paint stock . . . . .	3 14	
Plumbing . . . . .	30 77	
Repairing motor-house . . . . .	40 25	
Repairing rail-fence . . . . .	19 52	
Two wire cables for draws . . . . .	36 99	
Running wires for motor . . . . .	91 00	
Galvanized pipe . . . . .	19 17	
Smoke-stack . . . . .	10 55	
	<hr/>	\$1,059 47

Regular expenses:

Draw-tenders . . . . .	\$5,997 86	
Substitutes . . . . .	195 00	
Coal . . . . .	52 85	
Gas . . . . .	50 57	
Water . . . . .	10 00	
Ice . . . . .	6 00	
Lubricating oil . . . . .	28 00	
Small supplies . . . . .	43 47	
	<hr/>	6,383 75

7,443 22

**Granite bridge** (from Dorchester to Milton).

Sheathed draw and roadway, and repaired piers.

Carpenters . . . . .	\$59 75	
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*Carried forward,*

\$59 75

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\$58,351 03

<i>Brought forward,</i>	\$59 75	\$58,351 03
Lumber . . . . .	76 62	
Nails . . . . .	2 25	
Ironwork . . . . .	163 03	
	<hr/>	\$301 65
Regular expenses :		
Draw-tender . . . . .	\$239 20	
Lubricating oil . . . . .	5 75	
Small supplies . . . . .	1 94	
	<hr/>	246 89
		<hr/>

548 54

**L-street bridge** (over reserved channel at junction of Congress and L streets).

Repaired waterways and piers, minor repairs on engines, and a little painting done inside draw-tenders' house.

Carpenters . . . . .	\$151 07	
Painters . . . . .	15 00	
Lumber . . . . .	101 97	
Nails . . . . .	17 50	
Ironwork . . . . .	32 89	
Repairing engines . . . . .	12 55	
Hardware . . . . .	14 69	
Paint stock . . . . .	18 75	
Plumbing . . . . .	56 30	
Smoke-stack . . . . .	9 85	
	<hr/>	\$430 57

Regular expenses :

Draw-tenders . . . . .	\$2,468 11	
Substitutes . . . . .	600 06	
Coal . . . . .	164 32	
Water . . . . .	86 00	
Ice . . . . .	6 00	
Bedding . . . . .	27 00	
Stove . . . . .	19 45	
Lubricating oil . . . . .	11 50	
Packing . . . . .	18 96	
Clock . . . . .	10 00	
Grates . . . . .	9 96	
Copper pans . . . . .	27 90	
Small supplies . . . . .	78 58	
	<hr/>	3,527 84

3,958 41

**Malden bridge** (from Charlestown to Everett).

Sheathed draw, repaired waterways, piers, wheelguards, sidewalk, and fence, adjusted draw, put in new water service, and painted house and fence two coats.

Carpenters . . . . .	\$343 01	
Painters . . . . .	24 88	

*Carried forward,* \$367 89

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\$62,857 98

<i>Brought forward,</i>	\$367 89	\$62,857 98
Lumber . . . . .	187 57	
Nails . . . . .	4 50	
Ironwork . . . . .	100 86	
Paint stock . . . . .	5 21	
Plumbing . . . . .	40 70	
Car-fares . . . . .	2 30	
	<hr/>	\$709 03

Regular expenses :		
Draw-tenders . . . . .	\$2,791 36	
Substitutes . . . . .	75 00	
Coal . . . . .	28 59	
Gas . . . . .	17 83	
Water . . . . .	10 00	
Ice . . . . .	6 00	
Lubricating oil . . . . .	5 90	
Row-boat . . . . .	67 50	
Small supplies . . . . .	44 11	
	<hr/>	3,046 29
		<hr/>
		3,755 32

**Meridian-street bridge** (from East Boston to Chelsea).

Sheathed draw, repaired waterway, piers, fence, road-gates, and latches, made general repairs on draw machinery, repaired draw-tenders' house and boat, and painted bridge underneath and overhead, and buildings one coat.

Carpenters . . . . .	\$682 75	
Painters . . . . .	479 88	
Lumber . . . . .	300 11	
Nails . . . . .	12 50	
Ironwork . . . . .	288 67	
Hardware . . . . .	20 83	
Paint stock . . . . .	100 66	
Plumbing . . . . .	43 27	
Ferry-fares . . . . .	1 00	
Resetting buoy . . . . .	50 00	
Making pattern . . . . .	12 25	
Repairing boat . . . . .	14 00	
Chimney pot . . . . .	11 18	
Sundries . . . . .	15 65	
	<hr/>	\$2,032 75

Regular expenses :		
Draw-tenders . . . . .	\$2,791 36	
Substitutes . . . . .	880 68	
Coal . . . . .	24 81	
Feed . . . . .	118 95	
Gas . . . . .	9 73	
Water . . . . .	10 00	
Horseshoeing . . . . .	41 55	
	<hr/>	
<i>Carried forward,</i>	\$3,877 08	\$2,032 75
		<hr/>
		\$66,613 30

<i>Brought forward,</i>	\$3,877 08	\$2,032 75	\$66,613 30
Veterinary service . . . . .	22 00		
Ice . . . . .	6 00		
Lubricating oil . . . . .	11 40		
Small supplies . . . . .	36 17		
	<hr/>	3,952 65	

5,985 40

**Mt. Washington-avenue bridge** (over Fort-Point channel).

Sheathed draw twice, repaired fence and sidewalk, sheathed pier, repaired waterways, latches, and boat, made sanitary repairs in draw-tenders' house, and painted bridge and buildings.

Carpenters . . . . .	\$793 25		
Painters . . . . .	354 00		
Lumber . . . . .	780 63		
Nails . . . . .	32 55		
Ironwork . . . . .	124 87		
Hardware . . . . .	5 20		
Paint stock . . . . .	74 26		
Plumbing . . . . .	104 76		
Car-fares . . . . .	1 80		
Repairing boat . . . . .	29 50		
Damage to schooner . . . . .	11 50		
Small sundries . . . . .	6 48		
	<hr/>	\$2,318 80	

Regular expenses :

Draw-tenders . . . . .	\$4,486 56		
Substitutes . . . . .	56 28		
Coal . . . . .	41 21		
Gas . . . . .	81 38		
Water . . . . .	10 00		
Ice . . . . .	6 00		
Lubricating oil . . . . .	25 75		
Stove and repairs . . . . .	12 12		
Rent of land . . . . .	60 00		
Small supplies . . . . .	82 14		
	<hr/>	4,861 44	

7,180 24

**Neponset bridge** (from Dorchester to Quincy).

Repaired deck and sheathed roadway, repaired flaps, repaired waterways, and boat.

[See Special, "Street Improvements, Ward 24."]

Carpenters . . . . .	\$362 00		
Lumber . . . . .	81 04		
Nails . . . . .	39 25		
Ironwork . . . . .	64 19		
Hardware . . . . .	7 58		
Car-fares . . . . .	3 10		
Repairing boat . . . . .	18 00		
	<hr/>	\$575 16	

*Carried forward,* . . . . . \$575 16 \$79,778 94

<i>Brought forward,</i>	\$575 16	\$79,778 94
Regular expenses :		
Draw-tender . . . . .	\$398 84	
Lubricating oil . . . . .	5 75	
Small supplies . . . . .	2 63	
	<u>407 22</u>	
		982 38

**North Beacon-street bridge** (from Brighton to Watertown).

Laid new deck on draw and sheathed the same.

Carpenters . . . . .	\$40 00	
Lumber . . . . .	35 31	
Nails . . . . .	2 25	
Car-fares . . . . .	16 65	
Sundries . . . . .	2 00	
	<u>\$96 21</u>	
Regular expenses :		
Draw-tender . . . . .	74 88	
	<u>171 09</u>	

**North Harvard-street bridge** (from Brighton to Cambridge).

Sheathed roadway and draw, and put in new flaps.

Carpenters . . . . .	\$34 75	
Lumber . . . . .	73 36	
Nails . . . . .	2 25	
Ironwork . . . . .	213 55	
Car-fares . . . . .	5 80	
	<u>\$329 71</u>	
Regular expenses :		
Draw-tender . . . . .	365 56	
	<u>695 27</u>	

**Warren bridge** (from Boston to Charlestown).

Sheathed both draws three times, repaired piers, waterway, and fender-guard, adjusted tracks, repaired boat, general repairs made on engines and machinery, and painted top and underside of bridge and buildings one coat.

Carpenters . . . . .	\$774 89	
Painters . . . . .	928 82	
Lumber . . . . .	936 27	
Nails . . . . .	44 00	
Ironwork . . . . .	543 40	
Repairing engine . . . . .	116 77	
Hardware . . . . .	2 25	
Paint stock . . . . .	194 84	
Plumbing . . . . .	124 57	
Wire cable for draw . . . . .	22 44	
Repairing roof . . . . .	35 00	
Small sundries . . . . .	9 16	
	<u>\$3,732 41</u>	

*Carried forward,*

\$3,732 41      \$81,627 68



<i>Brought forward,</i>	\$3,732 41	\$81,627 68
Regular expenses:		
Draw-tenders . . . . .	\$5,047 56	
Substitutes . . . . .	267 50	
Coal . . . . .	686 40	
Gas . . . . .	96 08	
Water . . . . .	50 00	
Ice . . . . .	6 00	
Ladders . . . . .	9 20	
Small supplies . . . . .	58 53	
	<hr/>	
	6,221 27	
	<hr/>	
		9,953 68

**Western-avenue bridge** (from Brighton to Cambridge).

Sheathed draw and roadway, repaired deck, fence, and piers.

Carpenters . . . . .	\$50 50	
Lumber . . . . .	111 98	
Nails . . . . .	2 25	
Ironwork . . . . .	186 08	
Car-fares . . . . .	10 10	
	<hr/>	
	\$360 91	

Regular expenses:

Draw-tender . . . . .	\$365 56	
Coal . . . . .	6 50	
Lubricating oil . . . . .	5 75	
	<hr/>	
	377 81	
	<hr/>	

733 72

**Western-avenue bridge** (from Brighton to Watertown).

Sheathed roadway and draw, put in new iron ladder from draw to pier, built new tool-house and painted the same.

Carpenters . . . . .	\$162 50	
Lumber . . . . .	181 03	
Nails . . . . .	39 35	
Ironwork . . . . .	9 30	
Hardware . . . . .	4 52	
Car-fares . . . . .	8 00	
	<hr/>	
	\$404 70	

Regular expenses:

Draw-tender . . . . .	\$74 88	
Substitutes . . . . .	43 50	
Storage of tools . . . . .	10 00	
Small supplies . . . . .	6 98	
	<hr/>	
	135 36	
	<hr/>	

540 06

**Winthrop bridge** (from Breed's island to Winthrop).

Sheathed roadway.

Carpenters . . . . .	\$143 50	
	<hr/>	

<i>Carried forward,</i>	\$143 50	\$92,860 14
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<i>Brought forward,</i>	\$143 50	\$92,860 14
Lumber . . . . .	316 59	
Nails . . . . .	15 00	
Car-fares . . . . .	27 35	
	<hr/>	\$502 44
Regular expenses :		
Draw-tender . . . . .	100 00	
	<hr/>	602 44
<b>Sundry expenditures</b> on tide-water bridges.		
Lumber . . . . .	\$4 13	
Nails . . . . .	23 13	
Ironwork . . . . .	127 00	
Hardware . . . . .	19 97	
Paint . . . . .	25 84	
Cleaning iron trucks . . . . .	60 00	
B. W. W. tickets, mechanics,	37 50	
W. E. " " " "	115 00	
	<hr/>	\$412 57
Regular expenses :		
Chief draw-tender . . . . .	\$1,820 00	
Messenger . . . . .	797 68	
Draw-tenders' books . . . . .	80 23	
Stationery and postals . . . . .	16 38	
Repairing wagon . . . . .	52 60	
Car-fares . . . . .	20 00	
Small supplies . . . . .	49 00	
	<hr/>	2,835 89
	<hr/>	3,248 46
<b>Public landings.</b>		
Repairs.		
Commercial Wharf :		
Labor . . . . .	\$8 00	
Ironwork . . . . .	7 05	
Painting sign . . . . .	6 00	
	<hr/>	\$21 05
East Boston :		
Towage . . . . .	\$7 75	
Ironwork . . . . .	3 46	
	<hr/>	11 21
	<hr/>	\$32 26
Regular expenses :		
East Boston :		
Rent . . . . .	62 50	
	<hr/>	94 76
Total expended on tide-water bridges . . . . .		<u>\$96,805 80</u>

## RECAPITULATION.

*Table showing Expenditures on the Tide-water Bridges for the Year, February 1, 1894, to January 31, 1895.*

NAME OF BRIDGE.	Repairs, Labor, Lumber, Iron- work, and Painting.	Regular Ex- penses, Sal- aries, Fuel, and Supplies.	Total.
Broadway . . . . .	\$4,788 42	\$6,155 36	\$10,943 78
Cambridge street . . . . .	376 53	378 96	755 49
Charles river . . . . .	5,877 31	5,804 44	11,681 75
Chelsea (North) . . . . .	1,577 94	4,328 74	5,906 68
Chelsea (South) . . . . .	876 17	4,893 26	5,769 43
Chelsea street . . . . .	104 84	291 00	395 84
Commercial point . . . . .	137 47	50 00	187 47
Congress street . . . . .	2,785 14	6,210 32	8,995 46
Dover street . . . . .	1,169 46	4,001 43	5,170 89
Essex street . . . . .	406 80	694 22	1,101 02
Federal street . . . . .	1,059 47	6,383 75	7,443 22
Granite . . . . .	301 65	246 89	548 54
L street . . . . .	430 57	3,527 84	3,958 41
Malden . . . . .	709 03	3,046 29	3,755 32
Meridian street . . . . .	2,032 75	3,952 65	5,985 40
Mount Washington avenue . . . . .	2,318 80	4,861 44	7,180 24
Neponset . . . . .	575 16	407 22	982 38
North Beacon street . . . . .	96 21	74 88	171 09
North Harvard street . . . . .	329 71	365 56	695 27
Warren . . . . .	3,732 41	6,221 27	9,953 68
Western avenue (to Cambridge) . . . . .	360 91	377 81	738 72
Western avenue (to Watertown) . . . . .	404 70	135 36	540 06
Winthrop . . . . .	502 44	100 00	602 44
Chief draw-tender and sundry expendi- tures . . . . .	412 57	2,835 89	3,248 46
Public landings . . . . .	32 26	62 50	94 76
Totals . . . . .	\$31,398 72	\$65,407 08	\$96,805 80

## INLAND BRIDGES.

<b>Albany-street bridge</b> (over Boston & Albany Railroad).		
Lumber, used in December, 1893, when bridge was sheathed . . . . .		\$11 38
<b>Ashland-street bridge</b> (over New York, New Haven, & Hartford Railroad, Providence Division).		
Sheathed roadway.		
Carpenters . . . . .	\$24 00	
Lumber . . . . .	83 00	
Nails . . . . .	4 50	
	<hr/>	111 50
<b>Baker-street culvert</b> , Brook Farm, West Roxbury.		
Sheathed roadway and culvert.		
Carpenters . . . . .	\$22 50	
Lumber . . . . .	64 30	
Nails . . . . .	4 75	
	<hr/>	91 55
<b>Beacon-street bridge</b> (over Boston & Albany Railroad).		
Sheathed roadway.		
Carpenters . . . . .	\$66 00	
Lumber . . . . .	115 66	
Nails . . . . .	4 50	
	<hr/>	186 16
<b>Berkeley-street bridge</b> (over Boston & Albany Railroad).		
Sheathed roadways.		
Carpenters . . . . .	\$68 32	
Lumber . . . . .	67 20	
	<hr/>	135 52
<b>Berkeley-street bridge</b> (over New York, New Haven, & Hartford Railroad, Providence Division).		
Repaired sheathing on roadway.		
Carpenters . . . . .	\$12 75	
Lumber . . . . .	40 95	
Hardware . . . . .	3 50	
Nails . . . . .	4 50	
	<hr/>	61 70
<b>Blakemore-street bridge</b> (over New York, New Haven, & Hartford Railroad, Providence Division).		
Repaired iron fence and patched sheathing.		
Ironwork . . . . .	\$18, 00	
Lumber . . . . .	7 39	
Nails . . . . .	2 25	
	<hr/>	27 64
		<hr/>
<i>Carried forward,</i>		\$625 45

<i>Brought forward,</i>		\$625 45
<b>Bolton-street bridge</b> (over New York & New England Railroad).		
Repaired sidewalks and roadway.		
Carpenters . . . . .	\$4 69	
Lumber . . . . .	5 29	
	<hr/>	9 98
<b>Boylston-street bridge</b> (over Boston & Albany Railroad).		
Sheathed one roadway and repaired the other.		
Carpenters . . . . .	\$84 38	
Lumber . . . . .	118 78	
Nails . . . . .	4 50	
	<hr/>	207 66
<b>Broadway bridge</b> (over Boston & Albany Railroad).		
Sheathed roadways.		
Carpenters . . . . .	\$65 00	
Lumber . . . . .	111 03	
Nails . . . . .	9 00	
	<hr/>	185 03
<b>Columbus-avenue bridge</b> (over Boston & Albany Railroad).		
Sheathed roadways and repaired wheel-guards.		
Carpenters . . . . .	\$83 71	
Lumber . . . . .	80 48	
Nails . . . . .	11 25	
	<hr/>	175 44
<b>Commonwealth-avenue bridge</b> (over outlet).		
Sheathed roadway and laid new sidewalk.		
[Balance of lumber used charged to special "Street Improvements, Wards 19 and 22."]		
Carpenters . . . . .	104 75	
Lumber . . . . .	164 35	
Nails . . . . .	21 60	
	<hr/>	290 70
<b>Cornwall-street bridge</b> (over Stony brook.)		
Sheathed roadway.		
Carpenters . . . . .	\$26 50	
Lumber . . . . .	33 66	
	<hr/>	60 16
<b>Cottage Farm bridge</b> (over Boston & Albany Railroad at Commonwealth avenue).		
Sheathed roadway.		
Carpenters . . . . .	\$62 25	
Lumber . . . . .	152 43	
Nails . . . . .	13 12	
Car-fares . . . . .	6 00	
	<hr/>	233 80
		<hr/>
<i>Carried forward,</i>		\$1,788 22

<i>Brought forward,</i>		\$1,788 22
<b>Cottage-street [foot] bridge</b> (over flats, East Boston).		
Repaired piles, sway-braces, walk, and bridge-tender's house and painted house.		
Bridge-tender . . . . .	\$630 00	
Carpenters . . . . .	181 00	
Painters . . . . .	20 00	
Lumber . . . . .	106 62	
Ironwork . . . . .	7 74	
Paint stock . . . . .	4 19	
Car-fares . . . . .	12 70	
Lettering sign . . . . .	5 00	
Smoke-stack . . . . .	3 75	
Coal . . . . .	4 33	
Small supplies . . . . .	4 11	
	<hr/>	979 44
<b>Elmwood-street bridge</b> (over Stony brook).		
Repaired sidewalk and sheathed roadway.		
Carpenters . . . . .	\$19 25	
Lumber . . . . .	22 35	
Nails . . . . .	4 50	
	<hr/>	46 10
<b>Ferdinand-street bridge</b> (over Boston & Albany Railroad).		
Sheathed roadway.		
Carpenters . . . . .	\$21 25	
Lumber . . . . .	55 49	
Nails . . . . .	2 25	
	<hr/>	78 99
<b>Gardner-street culvert</b> (West Roxbury).		
Laid new deck and sheathed the same.		
Carpenters . . . . .	\$15 00	
Lumber . . . . .	22 60	
Nails . . . . .	2 25	
	<hr/>	39 85
<b>Huntington-avenue bridge</b> (over Boston & Albany Railroad).		
Sheathed roadway.		
Carpenters . . . . .	\$40 50	
Lumber . . . . .	157 37	
Nails . . . . .	9 00	
	<hr/>	206 87
<b>Hyde Park-avenue bridge</b> (over Stony brook).		
Repaired deck and sheathed roadway.		
Carpenters . . . . .	\$101 75	
Lumber . . . . .	138 87	
Nails . . . . .	7 75	
	<hr/>	248 37
<i>Carried forward,</i>		\$3,387 84

<i>Brought forward,</i>		\$3,387 84
<b>Keyes-street culvert</b> (West Roxbury).		
Sheathed roadway.		
Carpenters . . . . .	\$45 19	
Lumber . . . . .	25 26	
	<hr/>	70 45
<b>Linden Park-street bridge</b> (over Stony brook).		
Repaired deck and sheathed roadway.		
Carpenters . . . . .	\$26 75	
Lumber . . . . .	58 17	
Nails . . . . .	4 50	
	<hr/>	89 42
<b>Longwood-avenue bridge</b> (from Roxbury to Brookline).		
Sheathed roadway.		
Carpenters . . . . .	\$24 50	
Lumber . . . . .	58 18	
Nails . . . . .	2 25	
	<hr/>	84 93
<b>Massachusetts-avenue bridge</b> (over Boston & Albany Railroad).		
Sheathed one roadway and repaired the other.		
Carpenters . . . . .	\$50 94	
Lumber . . . . .	58 31	
Nails . . . . .	4 50	
	<hr/>	113 75
<b>Massachusetts-avenue bridge</b> (over New York, New Haven, & Hartford Railroad, Providence Division).		
Sheathed roadway.		
Carpenters . . . . .	\$33 00	
Lumber . . . . .	67 59	
Nails . . . . .	4 50	
	<hr/>	105 09
<b>Mattapan bridge</b> (from Dorchester to Milton).		
Patched roadway.		
[Balance of lumber used charged to special "Street Improvements, Ward 24."]		
Carpenters . . . . .	\$30 75	
Lumber . . . . .	3 26	
Nails . . . . .	2 25	
	<hr/>	36 26
<b>Shawmut-avenue bridge</b> (over Boston & Albany Railroad).		
Built new sidewalk on westerly side and concreted same, and sheathed roadway.		
Carpenters . . . . .	\$237 95	
Painters . . . . .	34 00	
Lumber . . . . .	357 43	
Nails . . . . .	19 00	
Ironwork . . . . .	9 23	
	<hr/>	
<i>Carried forward,</i>	\$657 61	\$3,887 74

<i>Brought forward,</i>	\$657 61	\$3,887 74
Paint stock . . . . .	58 90	
Cement and sand . . . . .	3 00	
Concrete walk . . . . .	134 53	
	<hr/>	854 04

**Summer-street culvert (West Roxbury).**

Sheathed roadway and repaired sidewalk.		
Carpenters . . . . .	\$12 00	
Lumber . . . . .	29 33	
Nails . . . . .	7 85	
	<hr/>	49 18

**Texas-street bridge (over Stony brook).**

Rebuilt bridge.		
Carpenters . . . . .	\$15 50	
Lumber . . . . .	28 86	
Ironwork . . . . .	2 40	
Nails . . . . .	7 50	
	<hr/>	54 26

**West Newton-street bridge (over New York, New Haven, & Hartford Railroad, Providence Division.**

Sheathed roadway.		
Carpenters . . . . .	\$18 25	
Lumber . . . . .	70 50	
Nails . . . . .	2 25	
	<hr/>	91 00

**Williams-street culvert (West Roxbury).**

Laid new deck, and sheathed roadway.		
Carpenters . . . . .	\$4 50	
Lumber . . . . .	35 71	
Nails . . . . .	4 75	
	<hr/>	44 96

**Woodman-street culvert (West Roxbury).**

Sheathed roadway.		
Carpenters . . . . .	\$18 00	
Lumber . . . . .	18 59	
Nails . . . . .	3 30	
	<hr/>	39 89

**Sundry expenditures on inland bridges.**

Labor on snow . . . . .	\$1,143 02	
Labor, bridge-cleaners . . . . .	221 67	
Teaming snow . . . . .	90 00	
Sand for slippery walks . . . . .	22 50	
Salt " " " . . . . .	6 50	
Lumber, sundry repairs . . . . .	12 51	
Nails " " " . . . . .	28 27	
Paint " " " . . . . .	29 95	
Hardware " " " . . . . .	16 87	
Sundry car-fares, mechanics . . . . .	120 00	
	<hr/>	1,691 29

Total expended on inland bridges . . . . . \$6,712 36



## RECAPITULATION.

Table showing Expenditures on the Inland Bridges for the Year  
February 1, 1894, to January 31, 1895.

Name of Bridge.	Repairs, Labor, Lumber, Ironwork, and Painting.
Albany street . . . . .	\$11 38
Ashland street . . . . .	111 50
Baker street (culvert) . . . . .	91 55
Beacon street (over Boston & Albany Railroad)	186 16
Berkeley street " " " " " "	135 52
Berkeley street (over N.Y., N.H., & H. Railroad, Providence Division) . . . . .	61 70
Blakemore street . . . . .	27 64
Bolton street . . . . .	9 98
Boylston street (over Boston & Albany Railroad)	207 66
Broadway " " " " " "	185 03
Columbus avenue . . . . .	175 44
Commonwealth avenue (over outlet) . . . . .	290 70
Cornwall street . . . . .	60 16
Cottage Farm . . . . .	233 80
Cottage street . . . . .	979 44
Elmwood street . . . . .	46 10
Ferdinand street . . . . .	78 99
Gardner street (culvert) . . . . .	39 85
Huntington avenue . . . . .	206 87
Hyde Park avenue . . . . .	248 37
Keyes street (culvert) . . . . .	70 45
Linden Park street . . . . .	89 42
Longwood avenue . . . . .	84 93
Massachusetts avenue (over Boston & Albany Railroad) . . . . .	113 75
Massachusetts avenue (over N.Y., N.H., & H. Railroad, Providence Division) . . . . .	105 09
Mattapan . . . . .	36 26
Shawmut avenue . . . . .	854 04
Summer street (culvert) . . . . .	49 18
Texas street . . . . .	54 26
West Newton street . . . . .	91 00
Williams street (culvert) . . . . .	44 96
Woodman street (culvert) . . . . .	39 89
Sundry expenditures . . . . .	1,691 29
Total . . . . .	<u>\$6,712 36</u>

## REGULAR MAINTENANCE EXPENSES AT NORTH AND SOUTH YARDS.

## NORTH YARD, DISTRICT No. 1.

*Warren Bridge.*

Messenger . . . . .	\$797 68
Watchmen . . . . .	1,208 00
Tools for carpenters . . . . .	86 99
Tools for painters . . . . .	3 60
Telephone . . . . .	156 00
Gas . . . . .	41 86
Plumbing . . . . .	42 03
Rubber hose . . . . .	13 80
New doors . . . . .	13 00
Water . . . . .	10 00
Ice . . . . .	6 00
Small supplies . . . . .	10 65

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 \$2,389 61

## STABLE, DISTRICT No. 1.

Teamster . . . . .	\$780 00
Hostler . . . . .	631 75
Feed . . . . .	330 81
Repairing vehicles . . . . .	128 82
Repairing harnesses . . . . .	71 15
Horseshoeing . . . . .	112 29
Concord wagon . . . . .	200 00
Pung . . . . .	65 00
Clipping horses . . . . .	15 00
Water . . . . .	10 00
Dentistry . . . . .	3 00
Small supplies . . . . .	97 04

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 2,444 86

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 Total expended, North Yard and Stable . . . . . \$4,834 47

## SOUTH YARD, DISTRICT No. 2.

*Foundry Street.*

Messenger . . . . .	\$748 94
Watchman . . . . .	735 00
Yardman . . . . .	420 00
Tools for carpenters . . . . .	297 42
Tools for painters . . . . .	163 65
Telephone . . . . .	156 00
Coal . . . . .	29 96
Building closet and lockers . . . . .	24 50
Repairing iron scrapers . . . . .	25 20
Ladders . . . . .	10 00

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 Carried forward, \$2,610 67

<i>Brought forward,</i>	\$2,610 67	
Falls . . . . .	10 95	
Repairing hydraulic jacks . . . . .	35 60	
Shovels . . . . .	12 00	
Ice chisels . . . . .	7 50	
Water . . . . .	10 00	
Ice . . . . .	6 00	
Small supplies . . . . .	33 00	
		<u>\$2,725 72</u>

## STABLE, DISTRICT NO. 2.

Teamster . . . . .	\$737 50	
Hostler . . . . .	735 00	
Feed . . . . .	683 33	
Repairing wagons . . . . .	931 16	
Repairing buggies . . . . .	294 85	
Repairing sleighs . . . . .	73 25	
Horseshoeing . . . . .	229 00	
Three horses . . . . .	745 00	
Clipping horses . . . . .	18 00	
Rent of stable . . . . .	600 00	
Coal . . . . .	19 06	
Veterinary service . . . . .	34 00	
Repairing harnesses . . . . .	275 90	
New harnesses . . . . .	295 00	
English Vegetable food . . . . .	75 00	
Colic medicine . . . . .	15 00	
Small supplies . . . . .	231 50	
		<u>5,992 55</u>
Total expended, South Yard and Stable . . . . .		<u>\$8,718 27</u>

## SPECIAL APPROPRIATIONS.

**Broadway bridge** (over Fort-Point channel).

Sundry repairs on machinery.		
Ironwork . . . . .	\$499 37	
Transferred to bridge improvements, Wards 12 and 13, June 4, 1894 . . . . .	501 77	
		<u>\$1,001 14</u>
Total . . . . .		<u>\$1,001 14</u>

## BRIDGE IMPROVEMENTS, WARDS 12 AND 13.

**Broadway bridge** (over Fort-Point channel).

General repairs on draw machinery, new centre, etc.		
Ironwork . . . . .	\$431 23	
Carpenters . . . . .	70 54	
		<u>\$501 77</u>
Total expended . . . . .		<u>\$501 77</u>

**Berwick Park footbridge** (over N.Y., N.H.,  
& H. R.R., Providence Division).

Erected footbridge and built retaining-walls.

Advertising . . . . .	\$39 17	
Inspector . . . . .	176 00	
Contract with Quimby & Ferguson for work done and material furnished on retaining-walls . . . . .	3,200 00	
Contract with D. H. Andrews for work done and material furnished, removing old bridge from Franklin street and re- furnishing and erecting same at Ber- wick park . . . . .	1,700 00	
	<hr/>	
Total expended . . . . .		\$5,115 17
Transferred to City Nursery and Green-houses, January 31, 1895 . . . . .		884 83
		<hr/>
Appropriation . . . . .		\$6,000 00
		<hr/> <hr/>

**Boylston-street bridge** (over Boston & Albany  
Railroad).

Built new iron fence.

Erecting fence . . . . .	\$1,094 00	
Transferred to surface drain, Boylston street, De- cember 3, 1894 . . . . .	1,600 00	
Transferred to City Nursery and Greenhouses, Jan- uary 31, 1895 . . . . .	38 82	
	<hr/>	
Appropriation . . . . .	\$2,732 82	
		<hr/> <hr/>

**Chelsea-street bridge**, rebuilding (East Boston  
to Chelsea).

Rebuilt by B. F. Nay & Co.

Top sheathing done by Bridge Division.

Advertising . . . . .	\$120 45	
Inspector . . . . .	406 00	
Specifications . . . . .	59 22	
Contract with B. F. Nay & Co. for work done and material furnished rebuilding bridge (except iron draw) . . . . .	10,808 60	
Carpenters . . . . .	167 00	
Inspecting and testing at mill material for iron draw . . . . .	23 81	
	<hr/>	
Total expended . . . . .		\$11,585 08
Balance . . . . .		18,414 92
		<hr/>
Appropriation . . . . .		\$30,000 00
		<hr/> <hr/>

[Work uncompleted.]

**Commonwealth avenue.**

Built sidewalk and fence.

Carpenters . . . . .	\$1,181 00
Lumber . . . . .	1,610 96
Nails . . . . .	92 19
Car-fares . . . . .	67 00
Ice . . . . .	3 00

Charged to Commonwealth avenue . . . . . \$2,954 15

**Broadway bridge (over Fort-Point channel).**

Ironwork . . . . . \$121 06

**Congress-street bridge (over Fort-Point channel).**

Ironwork . . . . .	\$1,507 16
Two upright boilers, special pattern . . . . .	1,000 00
Setting same, connections, valves, smoke-burners, etc. . . . .	400 00

2,907 16

**Federal-street bridge (over Fort-Point channel).**

Plumbing . . . . .	\$299 50
Ironwork . . . . .	10 22

309 72

**L-street-bridge (over Reserved channel).**

Two spar buoys . . . . .	\$94 00
Two 6-ton mooring-stones . . . . .	210 00

304 00

**Mt. Washington-avenue bridge (over Fort-Point channel).**

Repairing fender-guard . . . . .	\$184 00
Iron-work . . . . .	12 88

196 88

**Congress street.**

Completed the fence and sidewalk.

Carpenters . . . . .	\$1,612 05
Painters . . . . .	261 75
Lumber . . . . .	821 63
Nails . . . . .	52 45

2,747 88

Charged to Street Improvements, Aldermanic District No. 6 . . . . .

\$6,586 70

**Williams-street bridge (over Stony brook).**

Rebuilt the bridge.

Carpenters . . . . .	\$144 00
Lumber . . . . .	185 48
Nails . . . . .	15 45

Charged to Street Improvements, Aldermanic District No. 11 . . . . .

\$344 93

**L-street bridge** (over Reserved channel).

Overhauling engine, machinery, windlass-head and shaft, repairing fence, draw-latch, and connecting steam-pump.

Charged to Street Improvements, Ward 14 . . . \$291 58

**Granite bridge** (from Dorchester to Milton).

Repaired machinery . . . . . \$128 90

**Mattapan bridge** (from Dorchester to Milton).

Repaired roadway.

Lumber . . . . . 21 47

[See regular appropriation.]

**Neponset bridge** (from Dorchester to Milton).

New deck.

Lumber . . . . . \$438 25

Ironwork . . . . . 204 20

642 45

[See regular appropriation.]

Charged to Street Improvements, Ward 24 . . . \$792 82

**Brookline-avenue bridge** (over Boston & Albany Railroad).

Laid new deck and sheathed the same, and painted bridge two coats, also the water-pipes.

Carpenters . . . . . \$727 75

Painters . . . . . 413 89

Lumber . . . . . 998 43

Ironwork . . . . . 4 80

Hardware . . . . . 31 80

Nails . . . . . 47 75

Paint stock . . . . . 71 83

Car-fares . . . . . 4 90

2,301 15

**Commonwealth-avenue bridge** (over outlet).

[For description of work done, see regular appropriation.]

Lumber . . . . . 240 59

Charged to Street Improvements, Wards 19 and 22, \$2,541 74

**Florence-street bridge** (over Stony brook).

Rebuilt bridge, sidewalks, and fence.

[Balance of work done to be paid for in 1895.]

Carpenters . . . . . \$759 24

Charged to Street Improvements, Wards 23 and 25, \$759 24

## RECAPITULATION.

Amounts charged to Special Appropriations :

Broadway Bridge . . . . .	\$499 37
Bridge Improvements, Wards 12 and 13 . . . . .	501 77
Berwick Park footbridge . . . . .	5,115 17
Boylston-street Bridge . . . . .	1,094 00
Chelsea-street Bridge, rebuilding . . . . .	11,585 08
Commonwealth avenue . . . . .	2,954 15
Street Improvements, Aldermanic District No. 6 . . . . .	6,586 70
“ “ “ “ “ 11 . . . . .	344 93
“ “ Ward 14 . . . . .	291 58
“ “ Ward 24 . . . . .	792 82
“ “ Wards 19 and 22 . . . . .	2,541 74
“ “ Wards 23 and 25 . . . . .	759 24
Total . . . . .	<u>\$33,066 55</u>

## LIST OF BOSTON BRIDGES.

## I.—BRIDGES WHOLLY SUPPORTED BY BOSTON.

[In the list those marked with an asterisk are over navigable waters, and are each provided with a draw.]

- Agassiz road, in Back Bay Fens.  
 Allston, over Boston & Albany Railroad at Cambridge street, Brighton.  
 Ashland street, over N. Y., N. H., & H. Railroad, Providence Division, West Roxbury.  
 Athens street, over N. Y. & N. E. Railroad.  
 Audubon road, over Boston & Albany Railroad, Brookline Branch.  
 Beacon entrance, Back Bay Fens, over Boston & Albany Railroad.  
 Beacon street, over outlet to Back Bay Fens.  
 Beacon street, over Boston & Albany Railroad.  
 Berkeley street, over Boston & Albany Railroad.  
 Berkeley street, over N. Y., N. H., & H. Railroad, Providence Division.  
 Berwick-park (foot) bridge, over N. Y., N. H., & H. Railroad, Providence Division.  
 Blakemore street, over N. Y., N. H., & H. Railroad, Providence Division, West Roxbury.  
 Bolton street, over N. Y. & N. E. Railroad.  
 Boylston street, over Boston & Albany Railroad.  
 Boylston street, over outlet to Back Bay Fens.  
 \*Broadway, over Fort-Point channel.  
 Broadway, over Boston & Albany Railroad.  
 Brookline avenue, over Boston & Albany Railroad.  
 Byron street, over Boston, Revere Beach, & Lynn Railroad.  
 \*Castle Island, from Marine park, South Boston, to Castle Island.  
 \*Charles river, from Boston to Charlestown.  
 \*Chelsea (South), over South channel, Mystic river.  
 \*Chelsea street, from East Boston to Chelsea.  
 Columbus avenue, over Boston & Albany Railroad.  
 \*Commercial Point, or Tenean, Dorchester.  
 Commonwealth avenue, over outlet to Back Bay Fens.  
 \*Congress street, over Fort-Point channel.  
 Cornwall street, over Stony brook, West Roxbury.  
 Cottage Farm, over Boston & Albany Railroad, at Commonwealth avenue.  
 Cottage-street footbridge, over flats, East Boston.  
 Dartmouth street, over Boston & Albany, and Providence Division of N. Y., N. H., & H. Railroad.  
 \*Dover street, over Fort-Point channel.  
 \*Federal street, over Fort-Point channel.  
 Fen, Back Bay Fens.



- Ferdinand street, over Boston & Albany Railroad.  
 Florence street, over Stony brook, West Roxbury.  
 Gold-street footbridge, over N. Y. & N. E. Railroad.  
 Huntington avenue, over Boston & Albany Railroad.  
 Irvington-street footbridge, over N. Y., N. H., & H. Railroad,  
 Providence Division.  
 \*L street, over Reserved channel at junction of Congress and L  
 streets.  
 Leyden street, over Boston, Revere Beach, & Lynn Railroad.  
 Linden Park street, over Stony brook.  
 \*Malden, from Charlestown to Everett.  
 Massachusetts avenue, over Boston & Albany Railroad.  
 Massachusetts avenue, over N. Y., N. H., & H. Railroad, Provi-  
 dence Division.  
 \*Meridian street, from East Boston to Chelsea.  
 \*Mt. Washington avenue, over Fort-Point channel.  
 Neptune road, over Boston, Revere Beach, & Lynn Railroad.  
 Public Garden footbridge.  
 Shawmut avenue, over Boston & Albany Railroad.  
 Stony brook, Back Bay Fens.  
 Swett street, east of N. Y. & N. E. Railroad.  
 Swett street, west of N. Y. & N. E. Railroad.  
 \*Warren, from Boston to Charlestown.  
 West Newton street, over N. Y., N. H., & H. Railroad, Provi-  
 dence Division.  
 West Rutland-square footbridge, over N. Y., N. H., & H. Rail-  
 road, Providence Division.  
 Winthrop, from Breed's Island to Winthrop.

## II. — BRIDGES OF WHICH BOSTON SUPPORTS THE PART WITHIN ITS LIMITS.

- \*Cambridge street, from Brighton to Cambridge.  
 Central avenue, from Dorchester to Milton.  
 \*Chelsea (North), from Charlestown to Chelsea.  
 \*Essex street, from Brighton to Cambridge.  
 \*Granite, from Dorchester to Milton.  
 Longwood avenue, from Roxbury to Brookline.  
 Mattapan, from Dorchester to Milton.  
 Milton, from Dorchester to Milton.  
 \*Neponset, from Dorchester to Quincy.  
 \*North Beacon street, from Brighton to Watertown.  
 \*North Harvard street, from Brighton to Cambridge.  
 Spring street, from West Roxbury to Dedham.  
 \*Western avenue, from Brighton to Cambridge.  
 \*Western avenue, from Brighton to Watertown.

## III. — BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

- Albany street, over Boston & Albany Railroad.  
 Dorchester street, over N. Y., N. H., & H. Railroad, Plymouth  
 and Taunton Division.

Everett street, over Boston & Albany Railroad, Brighton.

\*Harvard, from Boston to Cambridge.

\*Canal, from Boston to Cambridge.

\*Prison Point, from Charlestown to Cambridge.

\*West Boston, from Boston to Cambridge.

The last four bridges are in the care of two Commissioners, one of whom is appointed by the City of Cambridge and the other by the City of Boston.

#### IV. — BRIDGES SUPPORTED BY RAILROAD CORPORATIONS.

##### *1st. — Boston & Albany Railroad.*

Harrison avenue.

Market street, Brighton.

Tremont street.

Washington street.

##### *2d. — Boston & Maine Railroad, Eastern Division.*

Mystic avenue.

Main street.

##### *3d. — Boston & Maine Railroad, Western Division.*

Mystic avenue.

Main street.

##### *4th. — Boston, Revere Beach, & Lynn Railroad.*

Everett street.

##### *5th. — New York & New England Railroad.*

Dorchester avenue.

Harvard street, Dorchester.

Morton “ “

Norfolk “ “

Norfolk “ “

Silver street.

Washington street, Dorchester.

West Broadway.

West Fifth street.

West Fourth street.

West Second street.

West Sixth street.

West Third street.

##### *6th. — New York, New Haven, & Hartford Railroad, Plymouth and Taunton Division.*

Adams street.

Ashmont street and Dorchester avenue.

Cedar Grove Cemetery.

Freeport street.

Savin Hill avenue.

7th. — *New York, New Haven, & Hartford Railroad, Providence Division.*

Beech street, West Roxbury.  
 Bellevue street, West Roxbury.  
 Canterbury street, West Roxbury.  
 Centre street, or Hog Bridge, West Roxbury.  
 Centre and Mt. Vernon streets, West Roxbury.  
 Dudley avenue, West Roxbury.  
 Park street, West Roxbury.

## RECAPITULATION.

I.	Number wholly supported by Boston . . . . .	57
II.	Number of which Boston supports the part within its limits . . . . .	14
III.	Number of which Boston pays a part of the cost of maintenance . . . . .	7
IV.	Number supported by railroad corporations :	
	1. Boston & Albany . . . . .	4
	2. Boston & Maine, Eastern Division . . . . .	2
	3. “ “ Western Division . . . . .	2
	4. Boston, Revere Beach, & Lynn . . . . .	1
	5. New York & New England . . . . .	13
	6. New York, New Haven, & Hartford, Plymouth and Taunton Division . . . . .	5
	7. New York, New Haven, & Hartford, Providence Division . . . . .	7
	Total number . . . . .	112

The existing regulations for the passage of vessels through drawbridges have been posted on the several bridges, as required by law.

The records of the number of draw openings, vessels passing through the bridges, time of passage, kind of vessels, number laden with cargo, etc., as kept by the draw-tenders of the several bridges, have been tabulated, and the totals are given in the summary, which will be found in Appendices A1 and A6.

A list of widths of openings for vessels in all bridges provided with draws in the city, measurements being furnished by the City Engineer, will be found in Appendix A2.

Appendix A3 is a table, also made by the City Engineer, showing widths of bridges, kind of roadways, sidewalks, etc.

A list of culverts and small bridges will be found in Appendix A4.

Appendix A5 contains a tabulated statement of traffic.

APPENDIX A1.

DRAW-TENDERS' REPORTS.

Giving the Number of Vessels passing through the Drawbridges controlled by the City of Boston, from February 1, 1894, to January 31, 1895.

NAME OF BRIDGE.	STEAMERS.			SAILING VESSELS.			TUGS.			ALL OTHERS.			TOTAL NO. VESSELS.			Total No. of Cap-gocs.	Total No. of Open-ings.
	By Day.	By Night.	Total.	By Day.	By Night.	Total.	By Day.	By Night.	Total.	By Day.	By Night.	Total.	By Day.	By Night.	Total.		
Broadway . . . . .	4	2	6	1,888	912	2,800	1,641	294	1,935	594	201	795	4,127	1,409	5,536	1,761	4,146
Cambridge street . . . . .				100	9	109	482	41	523	190	15	205	772	65	837	146	529
Charles river . . . . .	16	18	34	1,745	738	2,503	2,315	627	2,942	1,718	553	2,271	5,794	1,956	7,750	2,303	5,534
Chelsea (North) . . . . .	59	7	66	1,023	118	1,141	3,469	372	3,841	1,395	236	1,631	5,946	733	6,679	1,134	4,566
Chelsea (South) . . . . .	46	5	51	767	83	850	1,718	92	1,810	1,030	53	1,083	3,561	233	3,794	1,083	2,935
Chelsea street . . . . .	6		6	55	2	57	131	28	159	84	32	116	276	62	338	34	105
Commercial point . . . . .					1	1				1		1	1	1	2	2	2
Congress street . . . . .	200	77	277	3,107	973	4,080	6,420	1,206	7,626	2,282	568	2,850	12,009	2,824	14,833	3,243	7,647
Dover street . . . . .	5	1	6	1,619	736	2,355	1,326	231	1,557	582	179	711	3,482	1,147	4,629	1,702	3,750
Essex street . . . . .	3	1	4	123	11	134	608	31	639	236	8	244	970	51	1,021	201	666

Federal street . . . . .	4	2	6	1,991	1,026	3,017	1,880	381	2,261	590	226	816	4,465	1,635	6,100	1,964	4,937
Granite . . . . .				81	1	82	217	3	220	37		37	335	4	339	60	227
L. street . . . . .	4		4	515	163	678	2,223	531	2,754	1,136	399	1,555	3,878	1,093	4,971	798	2,341
Malden . . . . .	6	2	8	324	36	360	1,084	142	1,226	508	66	574	1,922	246	2,168	430	1,367
Meridian street . . . . .	35	12	47	779	67	846	3,448	582	4,030	1,745	343	2,088	6,007	1,004	7,011	1,639	4,983
Mt. Washington avenue . . . . .	72	15	87	2,395	1,037	3,432	3,875	907	4,782	1,593	653	2,246	7,935	2,612	10,547	2,774	6,042
Neponset . . . . .				94	11	105	215	9	224	38	2	40	347	22	369	69	250
No. Beacon street . . . . .																	
No. Harvard street . . . . .				62	2	64	157	11	168	31	5	36	250	18	268	50	170
Warren . . . . .	31	32	63	1,112	969	2,081	1,496	628	2,124	1,152	547	1,699	3,791	2,176	5,967	1,731	4,376
Western avenue to Cambridge,	2		2	90	5	95	399	27	426	140	13	153	631	45	676	117	426
Western avenue to Watertown,				6	1	7	28		28	19	1	20	53	2	55	11	52
Totals . . . . .	493	174	667	17,876	6,921	24,797	33,132	6,143	39,275	15,051	4,100	19,151	66,552	17,338	88,890	21,255	54,151

NOTE. — West Boston, Prison Point, Canal (or Craigie's), and Harvard bridges are not included in these tables, being in the care of commissioners representing the two cities (Boston and Cambridge), connected by these bridges.

## APPENDIX A2.

Table showing the Widths of Openings for Vessels in all Bridges provided with Draws, in the City of Boston, January 31, 1895.

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Boston & Maine R.R., Eastern Division . . . . .	Boston to Charlestown .	1	39 feet 8 inches.
Boston & Maine R.R., Eastern Division . . . . .	Over Miller's river . . .	1	35 " 6 "
Boston & Maine R.R. (freight), Southern Division . . . . .	Boston to East Cambridge	1	40 " 2 "
Boston & Maine R.R. (passenger), Southern Division . . . . .	" " " "	1	39 " 7 "
Boston & Maine R.R., Western Division . . . . .	Boston to Charlestown .	1	39 " 7 "
Boston & Maine R.R., Western Division . . . . .	Over Miller's river . . .	1	35 " 10 "
Broadway . . . . .	Over Fort Point channel,	1	43 " 3 "
Cambridge street . . . . .	Brighton to Cambridge .	1	36 " 3 "
Canal (or Craigie's) . . . . .	Boston to East Cambridge	1	36 " 1 "
Charles river . . . . .	Boston to Charlestown .	1	36 " 0 "
Chelsea (south channel) . . . . .	Charlestown to Chelsea .	1	38 " 9 "
Chelsea (north channel) . . . . .	" " " "	1	44 " 10 "
Chelsea st. (East Boston side) . . .	East Boston to Chelsea .	2	36 " 0 "
" " (Chelsea side) . . . . .	" " " "	..	36 " 0 "
Commercial point (or Tencan) . . .	Dorchester . . . . .	1	24 " 0 "
Congress street (Boston side) . . .	Over Fort Point channel,	2	43 " 3 "
" " (South Boston side) . . . . .	" " " "	..	43 " 11 "
Dover street . . . . .	" " " "	..	36 " 10 "
Essex street . . . . .	Brighton to Cambridge .	1	35 " 9 "
Federal street . . . . .	Over Fort Point channel,	1	41 " 10 "
Fitchburg R.R. . . . .	Boston to Charlestown .	1	36 " 0 "
" " (for teaming freight)	" " " "	1	36 " 0 "

Table showing Width of Openings, etc. — *Concluded.*

NAME OF BRIDGE.	Location.	Number of Openings.	Width.
Grand Junction R.R. . . . .	Brighton to Cambridge .	1	35 feet 9 inches.
“ “ “ . . . . .	East Boston to Chelsea .	1	34 “ 6 “
Granite . . . . .	Dorchester to Milton . .	1	36 “ 0 “
Harvard (Boston side) . . . . .	Boston to Cambridge . .	2	36 “ 6 “
“ (Cambridge side) . . . . .	“ “ “ . . . . .	36	“ 8 “
L street . . . . .	Over Reserved channel, South Boston . . . . .	1	40 “ 0 “
Malden . . . . .	Charlestown to Everett .	1	43 “ 4 “
Meridian st. (East Boston side) . .	East Boston to Chelsea .	2	59 “ 2 “
“ “ (Chelsea side) . . . . .	“ “ “ “ . . . . .	59	“ 0 “
Mt. Washington ave. (Boston side) .	Over Fort Point channel,	2	42 “ 3 “
“ “ “ (South Boston side) . . . . .	“ “ “ “ . . . . .	42	“ 3 “
Neponset . . . . .	Dorchester to Quincy . .	1	36 “ 0 “
New York & New England R.R. (Boston side) . . . . .	Over Fort Point channel,	2	41 “ 10 “
New York & New England R.R. (South Boston side) . . . . .	“ “ “ “ . . . . .	40	“ 11 “
New York & New England R.R. . .	Over South Bay . . . . .	1	28 “ 4 “
North Beacon street . . . . .	Brighton to Watertown .	1	30 “ 2 “
North Harvard street . . . . .	Brighton to Cambridge .	1	36 “ 0 “
New York, New Haven, & Hart- ford R.R. . . . .	Over Fort Point channel,	1	36 “ 4 “
New York, New Haven, & Hart- ford R.R. . . . .	Dorchester to Quincy . .	1	36 “ 0 “
Prison Point . . . . .	Charlestown to Cam- bridge . . . . .	1	36 “ 0 “
Warren . . . . .	Boston to Charlestown .	1	36 “ 2 “
West Boston (Boston side) . . . . .	Boston to Cambridge . .	2	36 “ 6 “
“ “ (Cambridge side) . . . . .	“ “ “ . . . . .	36	“ 1 “
Western avenue . . . . .	Brighton to Cambridge .	1	36 “ 0 “
“ “ . . . . .	Brighton to Watertown,	1	35 “ 10 “

APPENDIX A3.

Table showing Width of Bridges, kind of Roadways, Side-walks, etc., on Tide-water Bridges, January 31, 1895.

NAME OF BRIDGE.	Width of Bridge.		ROADWAY.		SIDEWALKS.	
	Width.	Kind of roadway.	No.	Width.	Kind of walks.	
						<i>Ft.</i>
Broadway . . . . .	60 0	40 0	Plank . . . . .	2	10 0	Coal-tarconcrete.
Cambridge street . . . . .	40 0	33 2	" . . . . .	1	6 0	Plank.
Canal . . . . .	64 0	48 0	Paved . . . . .	2	8 0	Brick.
Charles river . . . . .	50 0	34 0	" . . . . .	2	8 0	"
Chelsea, North . . . . .	49 0	40 0	" . . . . .	1	8 0	Coal-tarconcrete.
"    South . . . . .	50 0	37 0	" . . . . .	2	6 6	"    "
"    street . . . . .	30 0	23 2	Plank . . . . .	1	6 0	Plank.
Commercial point . . . . .	about 34 0	about 27 0	" . . . . .	0		
Congress street . . . . .	60 0	44 0	Paved . . . . .	2	8 0	Coal-tarconcrete.
Dover street (over water) . . . . .	60 0	40 0	" . . . . .	2	10 0	Asphalt.
Essex street . . . . .	31 0	22 8	Plank . . . . .	1	7 6	Plank.
Federal street . . . . .	69 0	49 0	Paved . . . . .	2	10 0	Asphalt.
Granite . . . . .	30 2	24 4	Plank . . . . .	1	5 0	Plank.
Harvard . . . . .	69 4	51 0	" . . . . .	2	9 2	Asphalt.
L street . . . . .	60 0	44 0	Paved . . . . .	2	8 0	"
Malden . . . . .	40 0	32 0	" . . . . .	1	7 0	Coal-tarconcrete.
Meridian street . . . . .	50 0	36 0	" . . . . .	2	7 0	"    "
Mt. Washington avenue . . . . .	61 0	39 6	" . . . . .	2	10 9	"    "
Neponset . . . . .	30 0	23 10	Plank . . . . .	1	5 5	Plank.
North Beacon street . . . . .	31 0	25 2	" . . . . .	1	5 0	"
North Harvard street . . . . .	28 2	26 7	" . . . . .			
Prison Point . . . . .	50 0	36 0	{ Plank part Paved part }	2	7 0	Coal-tarconcrete.
Warren . . . . .	80 0	60 0	Paved . . . . .	2	10 0	"    "
W. avenue to Cambridge . . . . .	33 2	26 3	Plank . . . . .	1	6 0	Plank.
"    "    "    Watertown . . . . .	33 0	24 2	" . . . . .	1	8 0	"
Winthrop . . . . .	24 2	19 10	" . . . . .	1	3 7	"
West Boston . . . . .	50 0	36 0	Paved . . . . .	2	7 0	Brick.



## APPENDIX A4.

## List of Culverts and Small Bridges.

Those marked with (\*) are over Stony brook.

LOCATION.	Span. <i>Feet.</i>	Height of Opening. <i>Feet.</i>	Length. <i>Feet.</i>	Side-walls.	Covering.	Depth of Covering. <i>Feet.</i>
Adams street, south of Park, Dorchester . . . . .	5.0	4.0	57	Stone . . . . .	Stone . . . . .	5.0
*Amory street, near Centre, West Roxbury . . . . .	each 9.0	each 8.0	35	Double stone arch	Stone . . . . .	8.0
*Ashland and Canterbury streets, West Roxbury . . . . .	7.0	4.0	25	Stone arch . . . . .	Stone . . . . .	3.0
*Ashland street and Canterbury, West Roxbury . . . . .	7.6	5.5	75	Stone . . . . .	Wood.	
Ashland street, near Florence, West Roxbury . . . . .	3.0	3.0	50	Stone . . . . .	Stone . . . . .	6.0
Ashland street, 200 feet from Canterbury, West Roxbury . . . . .	3.0	3.0	50	Stone . . . . .	Stone . . . . .	3.0
Back street, near Morton, Dorchester . . . . .	5.0	4.0	30	Stone . . . . .	Stone . . . . .	2.0
Baker street, at Brook farm, West Roxbury . . . . .	15.0	5.0	30	Stone . . . . .	Wood.	
Baker street, opposite Prospect avenue, West Roxbury . . . . .	2.67	2.67	60	Stone . . . . .	Stone . . . . .	1.0
Beech street, near Anawan avenue, West Roxbury . . . . .	4.0	4.0	50	Stone . . . . .	Wood.	
Beech street, near Poplar, West Roxbury . . . . .	1.5	2.5	40	Stone . . . . .	Stone . . . . .	5.0
Blue Hill avenue, Dorchester . . . . .	2.75	1.67	225	Stone . . . . .	Stone . . . . .	2.0
Blue Hill avenue, near Morton street, Dorchester . . . . .	9.0	7.0	60	Stone . . . . .	Wood.	
*Boylston avenue, West Roxbury . . . . .	15.0	9.5	30	Stone . . . . .	Wood.	

List of Culverts and Small Bridges. — Continued.

LOCATION.	Span. Feet.	Height of Opening Feet.	Length. Feet.	Side-walls.	Covering.	Depth of Covering. Feet.
*Boylston street, at Boylston Station, West Roxbury . . . . .	each 7.0	9.0 & 8.0	47	Double brick arch.	Brick.	
Brighton avenue, west of Babcock street, Brighton . . . . .	3.5	3.0	50	Stone . . . . .	Stone . . . . .	1.25
Brighton avenue, west of Essex street, Brighton . . . . .	3.0	3.0	50	Wood . . . . .	Wood and earth.	8.0
Canterbury street, near Morton, West Roxbury . . . . .	2.0	3.0	40	Stone . . . . .	Stone . . . . .	4.0
Canterbury street, near Neponset avenue, West Roxbury . . . . .	10.0	5.0	42	Stone arch . . . . .	Stone . . . . .	3.0
Canterbury street, near Poplar, West Roxbury . . . . .	2.5	2.5	50	Stone . . . . .	Stone . . . . .	8.5
Centre street, near Spring, West Roxbury . . . . .	4.0	4.0	50	Stone . . . . .	Stone . . . . .	3.0
Centre street, near Walter, West Roxbury . . . . .	2.5	3.0	50	Stone . . . . .	Stone . . . . .	5.0
Centre street, at Williams farm, West Roxbury . . . . .	4.0	4.0	50	Stone arch . . . . .	Stone . . . . .	4.0
Centre street, at Williams farm, West Roxbury . . . . .	1.5	3.0	50	Stone . . . . .	Stone . . . . .	5.0
Centre street, corner of Willow, West Roxbury . . . . .	2.5	2.5	60	Stone . . . . .	Stone . . . . .	4.5
Church street, west of Weld, West Roxbury . . . . .	2.67	4.5	65	Stone . . . . .	Stone . . . . .	3.0
Corey street, near Highland station, West Roxbury . . . . .	2.5	3.0	45	Stone . . . . .	Stone . . . . .	2.0
Everett street, near B. & A. R.R., Brighton . . . . .	3.0	2.0	65	Stone . . . . .	Stone . . . . .	2.0
Faneuil street, junction of Brooks, Brighton . . . . .	3.5	3.5	130	Stone . . . . .	Stone . . . . .	2.5
Faneuil, west of Parsons, Brighton . . . . .	4.0	4.83	50	Stone arch . . . . .	Stone . . . . .	4.0

Gardner street, near Cow island, West Roxbury . . . . .	5.0	5.5	33	Wood . . . . .	Wood.	
*Green street, at Brookside avenue, West Roxbury . . . . .	each 10.0	7.0 & 8.0	260	Double stone arch,	Stone . . . . .	4.0
Harvard avenue, near Washburn street, Brighton . . . . .	2.67	3.0	58	Stone . . . . .	Stone . . . . .	6.0
Harvard avenue, south of Washburn street, Brighton . . . . .	2.75	3.75	55	Stone . . . . .	Stone . . . . .	4.0
*Hyde Park avenue and Washington street, West Roxbury . . . . .	each 8.0	each 7.0	361 & 93 454	Double stone and brick arch . . . . .	Brick and stone,	5.0
*Hyde Park avenue, West Roxbury . . . . .	19.5	5.0	50	Stone . . . . .	Wood.	
La Grange street, corner of Pleasant, West Roxbury . . . . .	3.0	2.0	70	Stone . . . . .	Stone . . . . .	1.0
La Grange street, north-east of Weld, West Roxbury . . . . .	3.0	1.5	90	Stone . . . . .	Stone . . . . .	1.5
La Grange street, opp. Mt. Benedict cemetery, West Roxbury . . . . .	2.0	2.5	50	Stone . . . . .	Stone . . . . .	2.0
La Grange street, south-east of Weld, West Roxbury . . . . .	2.0	3.0	50	Stone . . . . .	Stone . . . . .	3.0
Lake street, opposite Chandler's pond, Brighton . . . . .	4.5	4.92	43.85	Stone (double) . . . . .	Stone . . . . .	2.0
Lake street, south of Washington, Brighton . . . . .	5.5	5.92	40	Stone (double) . . . . .	Stone . . . . .	1.2
Mill street, Dorchester . . . . .	each 6.75	each 9.5	50	Double stone arch,	Stone . . . . .	5.0
Morton street, near Austin farm, West Roxbury . . . . .	4.0	5.0	50	Stone . . . . .	Stone . . . . .	2.0
*Morton street, near Washington, West Roxbury . . . . .	15.0	10.0	50	Stone arch . . . . .	Stone . . . . .	4.0
*Mount Hope street, West Roxbury . . . . .	each 8.0	each 5.0	40	Double stone arch,	Stone . . . . .	3.0
Mount Hope street, West Roxbury . . . . .	5.0	4.0	40	Stone arch . . . . .	Stone . . . . .	2.0
Neponset avenue, Dorchester . . . . .	2.5	2.5	60	Wood . . . . .	Earth and wood,	7.17
Neponset avenue, 500 feet from Hyde Park avenue, West Roxbury . . . . .	5.0	4.0	40	Stone arch . . . . .	Stone . . . . .	2.0
*Neponset avenue, West Roxbury . . . . .	14.0	6.0	45	Stone arch . . . . .	Stone . . . . .	2.5

List of Culverts and Small Bridges. — *Concluded.*

LOCATION.	Span. <i>Feet.</i>	Height of Opening. <i>Feet.</i>	Length. <i>Feet.</i>	Side-walls.	Covering.	Depth of Covering. <i>Feet.</i>
North Harvard street, near Franklin, Brighton . . . . .	4.0	2.67	40	Stone . . . . .	Stone . . . . .	3.0
Oakland street, south of Faneuil, Brighton . . . . .	6.0	5.5	39.5	Stone (double) . . . . .	Stone and brick, Wood.	1.6
Park street, west of Dorchester avenue, Dorchester . . . . .	5.0	3.67	50	Stone . . . . .	Wood.	
Park street, west of N.Y., N.H., & H. R.R., Dorchester . . . . .	8.5	5.0	50	Stone . . . . .	Wood.	
Parsons street, north of Faneuil, Brighton . . . . .	4.0	4.0	40	Stone . . . . .	Stone . . . . .	15.0
Perkins street, near Jamaica pond, West Roxbury . . . . .	5.0	4.0	40	Stone arch . . . . .	Stone . . . . .	4.0
Poplar street, 500 feet from Beech, West Roxbury . . . . .	3.0	1.5	110	Stone . . . . .	Stone . . . . .	4.5
Poplar street, Roslindale, West Roxbury . . . . .	7.0	4.0	40	Stone arch . . . . .	Stone . . . . .	2.0
Preston street, Dorchester . . . . .	9.0	5.08	40	Wood . . . . .	Wood and earth, Stone . . . . .	4.3
River street and Blue Hill avenue, Dorchester . . . . .	2.17	2.75	140	Stone . . . . .	Stone . . . . .	4.67
River street, Dorchester . . . . .	3.25	2.5	50	Stone . . . . .	Stone . . . . .	1.25
Saratoga street, East Boston . . . . .	5.0	6.0	50	Oval brick . . . . .	Brick . . . . .	6.0
South street, at Arnold Arboretum, West Roxbury . . . . .	4.5 & 2.0	3.5 & 1.5	30	Double stone . . . . .	Brick . . . . .	1.5 & 3.5
Spring street, near Spring-street station, West Roxbury . . . . .	2.67	2.67	63	Stone . . . . .	Wood.	
Summer street, near Spring-street station, West Roxbury . . . . .	4.0	4.5	40	Stone . . . . .	Wood.	
Teanac street, near Fulton, Dorchester . . . . .	6.25	6.25	40	Wood . . . . .	Earth and wood, Stone . . . . .	6.5

*Texas street, off Tremont street . . . . .	14.0	about 8.0	20	Stone . . . . .	Wood . . . . .	3.0
Walk Hill street, near Canterbury street, West Roxbury . . . . .	8.0	4.0	50	Stone arch . . . . .	Stone . . . . .	3.0
Walter street, north of Bussey park, West Roxbury . . . . .	3.0	4.0	60	Stone . . . . .	Stone . . . . .	3.0
Washington street, corner Beaumont avenue, Brighton . . . . .	3.0	3.5	65	Stone . . . . .	Stone . . . . .	3.0
*Washington street (Musk-rat Village), West Roxbury . . . . .	14.0	6.0	40	Stone arch . . . . .	Stone . . . . .	4.5
Washington street, near Poplar street, West Roxbury . . . . .	14.0	5.0	38	Stone . . . . .	Wood . . . . .	3.4
*Washington street, near Williams, West Roxbury . . . . .	each 7.0	each 7.0	70	Double stone arch, . . . . .	Stone . . . . .	4.5
Weld street, near La Grange, West Roxbury . . . . .	2.0	4.0	30	Stone . . . . .	Stone . . . . .	4.0
Western avenue, near North Harvard street, Brighton . . . . .	4.0	3.0	60	Stone . . . . .	Stone . . . . .	4.0
*Williams street, West Roxbury . . . . .	15.5	8.0	40	Stone . . . . .	Wood . . . . .	
Williams street, West Roxbury . . . . .	5.0	5.0	50	Wood . . . . .	Wood . . . . .	

APPENDIX A4. — (Supplement.) — Continued.  
List of Culverts and Small Bridges built in 1891.

LOCATION.	Span, Feet.	Height of Opening, Feet.	Length, Feet.	Side-walls.	Covering.	Depth of Covering, Feet.
DORCHESTER.						
Blue Hill avenue, near Harvard street . . . . .	5.0	4.42	85	Stone . . . . .	Stone . . . . .	1.5
Harvard street, near Blue Hill avenue . . . . .	5.0	4.42	45	Stone . . . . .	Stone . . . . .	2.0
Bailey street, near Hillside terrace . . . . .	4.0	3.42	40	Stone . . . . .	Stone . . . . .	2.5
Fuller street, " " . . . . .	4.0	3.42	40	Stone . . . . .	Stone . . . . .	1.5
Dorchester avenue, near Van Winkle street . . . . .	4.0	3.42	60	Stone . . . . .	Stone . . . . .	1.5
" " " King street . . . . .	4.5	4.92	60	Stone . . . . .	Stone . . . . .	1.5
Carruth street, near Codman street . . . . .	51.0	5.0	72	Stone . . . . .	Stone . . . . .	1.5
Centre street, near Seaborn street . . . . .	3.0	3.42	40	Stone . . . . .	Stone . . . . .	2.0
WEST ROXBURY.						
Sycamore and Florence streets . . . . .	4.0	3.92	73	Stone . . . . .	Stone . . . . .	2.0
Allandale street, near the spring . . . . .	3.5	3.92	40	Stone . . . . .	Stone . . . . .	2.0
" " " lower brook . . . . .	1.5	1.5	40	Pipe . . . . .	Pipe . . . . .	2.5
Cornell street, near Washington street . . . . .	4.0	3.42	41	Stone . . . . .	Stone . . . . .	2.5
BRIGHTON.						
Hobart street, near Faneuil street . . . . .	6.0	7.5	44	Stone . . . . .	Brick . . . . .	1.5
Dustin street, near North Beacon street . . . . .	5.0	5.0	40	Stone . . . . .	Stone . . . . .	1.2

## List of Culverts and Small Bridges built in 1892.

LOCATION.	Span. <i>Feet.</i>	Height of Opening. <i>Feet.</i>	Length. <i>Feet.</i>	Side-walls.	Covering.	Depth of Covering. <i>Feet.</i>
DORCHESTER.						
Armadine street, 350 ft. from Washington street . . . . .	2.0	2.0	61.00	Pipe . . . . .	Pipe . . . . .	2.0
Ashmont street, 250 ft. west of Adams street . . . . .	3.0	3.3	50.00	Stone . . . . .	Stone . . . . .	2.0
Park street, between Bournside and Upland avenues . . . . .	3.0	3.0	41.00	Stone . . . . .	Stone . . . . .	2.0
Rill street, 165 ft. from Hancock street . . . . .	3.0	3.3	40.00	Stone . . . . .	Stone . . . . .	2.0
Trull street, 165 ft. from Hancock street . . . . .	3.0	3.3	41.00	Stone . . . . .	Stone . . . . .	2.0
WEST ROXBURY.						
Call street, 200 ft. from Keyes street . . . . .	6.0	4.0	44.00	Stone . . . . .	Stone . . . . .	2.0
Hawthorn street and Sycamore street . . . . .	3.5	3.3	83.00	Stone . . . . .	Stone . . . . .	2.0
Sycamore street, near Prospect street . . . . .	4.0	3.0	200.00	Stone . . . . .	Stone . . . . .	2.0
BRIGHTON.						
Commonwealth avenue, 550 ft. east of Malvern street . . . . .	6.0	6.0	160.00	Stone . . . . .	Stone . . . . .	12.5
Commonwealth avenue, 650 ft. west of Essex street . . . . .	7.0	7.0	304.64	Stone . . . . .	Stone . . . . .	10.0

APPENDIX A4. — (Supplement.) — Concluded.  
 List of Culverts and Small Bridges built in 1893.

LOCATION.	Span. Feet.	Height of Opening. Feet.	Length. Feet.	Side-walls.	Covering.	Depth of Covering. Feet.
<b>DORCHESTER.</b>						
Armadine street, 500 ft. from Washington street . . . . .	Double culvert of 18- inch double-thick pipe . . . . .	. . . . .	43.45	. . . . .	. . . . .	2.00
Stockton street, 475 ft. from Washington street . . . . .	24-inch double-thick pipe . . . . .	. . . . .	52.70	. . . . .	. . . . .	2.00
Rockwell street, 525 ft. from Washington street . . . . .	24-inch double-thick pipe . . . . .	. . . . .	41.41	. . . . .	. . . . .	3.00
<b>WEST ROXBURY.</b>						
Grove street, 100 ft. from Centre street . . . . .	3.00	3.00	46.90	Stone . . . . .	Stone . . . . .	3.50
Forest Hills street, between Peter Parley and Washington streets . . . . .	24-inch pipe . . . . .	. . . . .	40.80	. . . . .	. . . . .	4.00
South street, 300 ft. south-west from Walter street . . . . .	3.00	5.33	60.00	Stone . . . . .	Stone . . . . .	3.50
<b>BRIGHTON.</b>						
Commonwealth avenue, near Reedsdale street . . . . .	3.00	4.33	150.00	Stone . . . . .	Stone . . . . .	3.00
Commonwealth avenue, between Griggs and Allston } streets . . . . .	3.00 3.00	4.33 3.33	240.00 330.00	Stone . . . . . Stone . . . . .	Stone . . . . . Stone . . . . .	5.00 5.00



List of Culverts and Small Bridges built in 1894.

LOCATION.	Span. <i>Feet.</i>	Height of Opening. <i>Feet.</i>	Length. <i>Feet.</i>	Side-walls.	Covering.	Depth of Covering. <i>Feet.</i>	Remarks.
DORCHESTER.							
Wheatland ave., between Millet and Spencer sts. . . . .	6.00	3.33	741.50	Concrete . . . . .	Concrete . . . . .	3.00	
Spencer st., between Wheatland ave. and Park st., )							
Millet st., between Wheatland and Talbot aves. . . . .							
WEST ROXBURY.							
Sycamore st., between Hawthorn and Ashland sts. . . . .	2.00	3.00	30.10	Stone . . . . .	Stone . . . . .	2.00	Rebuilt double stone culvert.
BRIGHTON.							
Parsons street, near Faneuil street . . . . .	6.00	7.75	47.20	Concrete . . . . .	Concrete . . . . .	7.50	Rebuilt.
Faneuil street, near Hobart street . . . . .	6.50	8.00	45.30	Concrete . . . . .	Brick . . . . .	2.50	Rebuilt.
Fairbanks street, near Washington street . . . . .	5.50	8.50	48.72	Concrete . . . . .	Brick . . . . .	2.50	
Washington street, near Fairbanks street . . . . .	5.50	6.00	70.00	Stone . . . . .	Stone . . . . .	4.33	Rebuilt double stone culvert.
Commonwealth avenue, between Brighton and Warren street . . . . .	2.00	3.17	111.00	Stone . . . . .	Stone . . . . .	11.50	Extension of old culverts to north line of the avenue.

## APPENDIX A5.

**Statement of Traffic on Monday, October 8, 1894,  
between the hours of 6 A.M. and 7 P.M.**

## NORTH BRIDGES.

NAME OF BRIDGE.	Foot-passengers from Boston.	Foot-passengers to Boston.	Teams from Boston.	Teams to Boston.	Street cars from Boston.	Street cars to Boston.
Charles river . . . . .	4,485	4,670				
Chelsea (North) . . . . .	733	862	693	737	284	288
Chelsea (South) . . . . .	1,799	2,113	1,002	1,092	287	294
Meridian street . . . . .	2,415	2,260	1,320	1,325	109	106
Warren . . . . .	8,647	8,210	5,983	5,424	1,146	1,167

## SOUTH BRIDGES.

Broadway . . . . .	8,885	9,700	2,505	2,375	208	200
Congress street . . . . .	4,000	6,250	3,337	2,950		
Dover street . . . . .	4,043	4,225				
Federal street . . . . .	7,575	9,625	1,650	2,080	478	489
Mt. Washington avenue . . .	2,651	2,709	1,492	1,647		

## APPENDIX A6.

DRAW-TENDERS' REPORTS.<sup>1</sup>

Giving the Number of Vessels passing through the Drawbridges controlled by the City of Boston, during the Years 1891, 1892, 1893, and 1894.

NAME OF BRIDGE.	Steamers.				Sailing-vessels.				Tugs.				All others.				Total number of Vessels.				Totals. Feb. 1, 1891 to Feb. 1, 1895.
	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	
Broadway . . . . .	4	8	8	6	3,325	3,118	2,959	2,800	1,374	1,709	1,840	1,935	455	626	664	795	5,158	5,461	5,471	5,356	21,626
Cambridge street . . . . .	2				325	236	149	109	775	733	608	523	312	269	186	205	1,414	1,238	943	837	4,432
Charles river . . . . .	44	29	30	34	3,251	2,800	2,690	2,503	2,907	2,854	3,175	2,942	2,144	2,010	2,352	2,271	8,326	7,993	8,247	7,750	32,016
Chelsea (North) . . . . .	124	35	57	63	981	717	898	1,141	4,109	2,899	3,422	3,841	2,503	1,697	1,631	1,631	7,717	4,856	6,074	6,679	25,326
Chelsea (South) . . . . .	8	85	80	51	1,016	1,037	1,130	850	3,023	2,923	2,540	1,810	1,460	986	1,328	1,083	5,507	5,031	5,078	3,794	19,410
Chelsea street . . . . .				6		4	14	57		36	35	159	32	14	20	116	32	54	69	338	493
Commercial Point . . . . .								1					2	4		1	2	4		2	8
Congress street . . . . .	294	298	361	277	5,132	4,896	4,671	4,080	7,064	7,647	7,411	7,626	2,522	2,834	2,694	2,850	15,012	15,675	15,137	14,833	60,657
Dover street . . . . .	13	10	6	6	2,652	2,557	2,415	2,355	1,211	1,505	1,574	1,557	425	544	618	711	4,301	4,616	4,613	4,629	18,159
Essex street . . . . .	4	13	23	4	403	247	180	134	1,054	704	717	639	537	287	218	244	1,998	1,251	1,138	1,021	5,408
Federal street . . . . .	2	10	9	6	3,538	3,295	3,199	3,017	1,060	2,044	2,231	2,261	690	646	703	816	5,800	5,995	6,142	6,100	24,127

<sup>1</sup> West Boston, Prison Point, Canal (or Craigie's), and Harvard Bridges not included in these tables, being in the care of commissioners representing the two cities (Boston and Cambridge) connected by these bridges.

Draw-Tenders' Reports. — Concluded.

NAME OF BRIDGE.	Steamers.				Sailing-Vessels.				Tugs.				All others.				Total number of Vessels.				Totals. Feb. 1, 1891, to Feb. 1, 1895.
	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	1891	1892	1893	1894	
Granite street . . . . .					100	91	109	82	219	184	237	220	37	19	24	37	356	294	370	389	1,359
L street . . . . .				4			678					2,754				1,535				4,971	4,971
Malden . . . . .	2	3	5	8	352	215	260	360	1,267	979	1,107	1,226	478	473	478	574	2,074	1,670	1,850	2,168	7,762
Meridian street . . . . .	84	74	44	47	757	851	771	846	2,621	3,351	3,736	4,030	1,137	1,432	1,746	2,088	4,499	5,708	6,297	7,011	23,515
Mt. Washington avenue . . . . .	89	70	79	87	4,102	3,923	3,822	3,432	4,775	5,094	4,741	4,782	1,824	2,199	2,089	2,246	10,790	11,286	10,751	10,547	43,354
Neponset . . . . .					167	193	131	105	237	198	244	224			31	40	404	391	406	369	1,570
North Beacon street . . . . .			1						1	3	1							1	4	2	7
North Harvard street . . . . .					138	120	54	64	243	272	131	168	23	39	36	36	404	431	221	268	1,324
Warren . . . . .	47	17	7	63	3,108	2,796	2,655	2,081	1,950	1,940	1,983	2,124	1,757	1,470	1,520	1,699	6,862	6,223	6,165	5,967	23,217
Western avenue to Cambridge . . . . .		2			236	211	132	95	591	619	481	426	278	228	137	153	1,107	1,058	750	676	3,591
Watertown avenue to Watertown . . . . .					5	12	6	7	18	15	18	28	14		14	20	37	28	38	55	158
Totals . . . . .	719	654	710	667	29,568	27,319	26,245	24,797	34,999	35,709	30,232	39,275	16,005	15,283	16,555	19,151	81,891	78,907	79,742	83,890	324,490

## APPENDIX B.

REPORT OF DEPUTY SUPERINTENDENT OF  
PAVING DIVISION.

OFFICE PAVING DIVISION,  
ROOM 41, CITY HALL, BOSTON, February 1, 1895.

B. T. WHEELER, *Superintendent of Streets*:

DEAR SIR: The following report is submitted, showing the expenditures of this division from February 1, 1894, to January 31, 1895, the nature of the work, the number and variety of permits issued, and the details of expenditures involved in paving, macadamizing, and regulating the various streets.

The following list shows the total yearly expenditures of the Paving Division, according to the report of the Superintendent of Streets, for the last thirty-nine years, the expenditures being from January 1 to December 31, inclusive, of each year, except of 1891, that year extending to January 31, 1892, making a period of thirteen months, the years after extending from February 1 to January 31:

1856 . . .	\$192,458 48	1877 . . .	\$1,077,475 81
1857 . . .	201,528 49	1878 . . .	644,821 76
1858 . . .	187,160 92	1879 . . .	727,340 05
1859 . . .	186,295 77	1880 . . .	1,015,063 06
1860 . . .	197,170 63	1881 . . .	966,366 49
1861 . . .	176,978 76	1882 . . .	1,088,551 14
1862 . . .	175,981 68	1883 . . .	934,656 58
1863 . . .	151,130 27	1884 . . .	1,310,172 16
1864 . . .	156,959 65	1885 . . .	1,018,693 39
1865 . . .	173,258 13	1886 . . .	1,170,863 01
1866 . . .	244,953 55	1887 . . .	1,260,530 03
1867 . . .	283,641 56	1888 . . .	1,043,475 52
1868 . . .	407,053 89	1889 . . .	1,051,460 18
1869 . . .	667,817 90	1890 . . .	1,061,722 40
1870 . . .	804,384 89	1891 . . .	1,991,524 28
1871 . . .	923,312 37	1892 . . .	1,972,857 88
1872 . . .	1,010,508 48	1893 . . .	1,552,913 17
1873 . . .	931,019 01	1894 . . .	1,642,491 48
1874 . . .	1,683,848 67		
1875 . . .	1,062,408 55	Total . . .	\$32,329,591 46
1876 . . .	980,741 42		

## STREET NUMBERING.

Numbers have been assigned to the estates in the different districts as follows:

City Proper . . . . .	7 streets and parts of	47 streets
South Boston . . . . .	1 street and parts of	20 streets
East Boston . . . . .	1 street and parts of	17 streets
Roxbury . . . . .	5 streets and parts of	47 streets
West Roxbury . . . . .	4 streets and parts of	38 streets
Brighton . . . . .	1 street and parts of	20 streets
Dorchester . . . . .	15 streets and parts of	53 streets
Charlestown . . . . .	parts of	14 streets
<hr/>		
Totals . . . . .	34 streets and parts of	256 streets

## PERMITS.

Permits have been issued to make openings in the streets of the city between February 1, 1894, and January 31, 1895, as follows :

Company.	Permit.	Feet.
American Telegraph Co. . . . .	1	4
Boston Electric Light Co. . . . .	479	30,543
Boston Gas Light Co. . . . .	645	23,817
Boston Water Dept. (Eastern Division) . . . . .	4,111	113,675
Boston Water Dept. (Mystic Division) . . . . .	142	3,649
Brookline Gas Light Co. . . . .	5,521	423,599
Boston Transit Co. . . . .	37	588
Boston & Maine R.R. Co. . . . .	15	2,286
Boston, Revere Beach, & Lynn R.R. . . . .	1	60
Barber Asphalt Co. . . . .	16	1,320
Charlestown Gas and Electric Light Co. . . . .	58	1,698
Dorchester Gas Light Co. . . . .	486	14,510
Edison Electric Illuminating Co. . . . .	399	18,941
East Boston Gas Light Co. . . . .	248	8,311
Fire Alarm Department . . . . .	102	3,021
Jamaica Plain Gas Co. . . . .	335	24,464
Lamp Department . . . . .	10	143
Lynn & Boston R.R. Co. . . . .	14	1,125
Metropolitan Construction Co. . . . .	14	4,325
Metropolitan Sewerage Commission . . . . .	3	3,600
N.E. Telephone and Telegraph Co. . . . .	1,426	59,536
Norfolk Suburban R.R. Co. . . . .	211	2,040
N.Y., N.H., & H. R.R. Co. . . . .	5	58
N.Y. & N.E. R.R. Co. . . . .	8	281
Postal Telegraph Cable Co. . . . .	40	6,763
Park Department . . . . .	15	14,263
Police Department. . . . .	6	63
Quincy & Boston Street R.R. Co. . . . .	17	364
Quincy Market Cold Storage Co. . . . .	2	200
Roxbury Gas Light Co. . . . .	376	14,655
Sewer Division . . . . .	158	35,090
South Boston Gas Light Co. . . . .	294	6,839
Standard Oil Co. . . . .	18	246
United States Government . . . . .	1	600
Union Freight Railway Co. . . . .	1	150
West End Street Railway Co. . . . .	1,107	153,215

Company.	Permit.	Feet.
Western Union Telegraph Co. . . . .	154	770
Miscellaneous . . . . .	2,076	75,497

Total openings, 18,552, aggregating 1,050,309 feet, or 198.8 miles.

In addition to the foregoing there have been issued ninety-nine (99) emergency permits to the various departments and corporations. On these permits 2,576 openings were made, at an average of about six feet each.

Permits other than for opening streets have been issued as follows:

Advertising by man wearing hat and coat lettered . . . . .	26
Cleaning snow from roofs . . . . .	124
Driving cattle . . . . .	16
Distributing sand . . . . .	56
Feeding or baiting horses on the streets . . . . .	1,055
Erecting, repairing, and removing awnings . . . . .	4,264
Erecting and repairing buildings . . . . .	6,816
Moving buildings . . . . .	53
Occupying sidewalks for loading and unloading goods . . . . .	35
Pedlers (four different classes) . . . . .	877
Raising and lowering safes, machinery, etc. . . . .	560
Special for various purposes . . . . .	354
Watering carts . . . . .	140
	<hr/>
Making a total of . . . . .	14,376
	<hr/>
Or a grand total of . . . . .	32,928

There have been 12,070 notices sent to the various foremen, to repair defects in the streets, which have been reported by the police, or from other sources; also 1,934 to private parties, to repair work which had been improperly done by them, where they have received permits to open the streets, and to owners of estates where there are coal-holes or Hyatt lights.

In accordance with section 8, chapter 36, Revised Ordinances of 1892, 1,653 notices have been sent to the foremen of the several districts, directing them to make necessary repairs where parties making openings have neglected to attend to them within a specified time, after being notified to do so.

Three hundred and eighty-nine notices have been sent to departments, corporations, and abutters, regarding proposed street improvements during the year. There have been 307 new bonds filed during the year; also 591 applications referred to the Police Department, asking for information regarding locations where persons have asked for permits to sell fruit, etc., from windows, bulkheads, and areas, and the granting or refusal has generally been governed by the recommendations received. The same course has been pursued in cases of individuals desiring to occupy sidewalks for more than ten minutes to load or unload goods.

## Streets Laid Out or Extended.

DATE.	Street.	Location.	Length, Lin. ft.
Mar. 30,	Newbury st. ....	(Formerly West Newbury st.) from Charlesgate, west, to Brookline ave.	1,258.21
April 6,	Wilkes st. ....	(Formerly Wells pl.) from Washington st. to Bradford st. ....	247.19
April 21,	Franklin st. ....	Footway under the tracks of the B. & A. R.R. Company.	
April 30,	Buena Vista st. ....	(Formerly Buena Vista ave.) from Walnut ave. to Warren st. ....	460.43
May 8,	Lyndhurst st. ....	From Washington st. to Allston st. ...	1,237.39
May 8,	Bellflower st. ....	From Dorchester ave. to Boston st. ...	670.07
June 9,	Varney st. ....	(Formerly Yale st.) from Wenham st. to Wachusett st. ....	279.26
June 12,	Arundel st. ....	From Beacon st. to Mountfort st. ....	255.77
June 12,	Mountfort st. ....	From Ivy st. to Audubon road. ....	428.06
June 12,	Ivy st. ....	From St. Mary's st. to Mountfort st.,	777.47
June 22,	Algonquin st. ....	From Harvard st. to Washington st. ...	929.94
June 22,	Bradlee st. ....	From School st. to Washington st. ...	756.01
June 22,	Plymouth st. ....	From Longwood ave. to Bernier st. ...	396.50
July 26,	Mishawum st. ....	(Formerly Ham's court) from Main st. to Rutherford ave. ....	304.31
July 26,	Rice st. ....	(Formerly Wood st.) from Walnut st. to Taylor st. ....	143.00
July 26,	Victor st. ....	(Formerly Granville pl.) from Brook ave. to Dean st.	
Aug. 10,	Evergreen st. ....	(Formerly Atwood ave.) from Day st.	553.84
Aug. 10,	Batchelder st. ....	From Marshfield st. to Pontine st. ...	167.82
Aug. 10,	Glenway st. ....	(Formerly Glen road) from Glen ave. to Harvard st. ....	1,338.54
Sept. 14,	Norway st. ....	(Formerly Caledonia st.) from Falmouth st. to Massachusetts ave. ...	582.92
Sept. 14,	St. Germain st. ....	(Formerly Cromwell st.) from Massachusetts ave. to Dalton st. ....	722.33
Sept. 14,	Temple st. ....	From Mt. Vernon st. to Baker st. ...	959.97
Sept. 22,	Arklow st. ....	From Walden st. to Gay Head st. ....	173.00
Oct. 4,	Boylston st. ....	From Back Bay Fens to Brookline ave.	2,094.00
Oct. 4,	Cunard st. ....	From Tremont st. to Cabot st. ....	172.07
Oct. 4,	Kenwood st. ....	From Washington st. to Allston st. ...	1,275.31
Oct. 4,	Wrentham st. ....	From Dorchester ave. to Shelton st. ...	1,008.50
Oct. 12,	Moss Hill road ..	From Pond st. to Woodland road. ...	834.61
Oct. 12,	Woodland road ..	From Moss Hill road ..	472.17
Oct. 16,	McLellan st. ....	From Erie st. to White st. ....	765.48
Oct. 16,	Sydney st. ....	From Harbor View st. to Crescent ave.	834.47
Oct. 20,	Sherborn st. ....	From Commonwealth ave. to Charles river. ....	472.71
Oct. 20,	Burbank st. ....	(Formerly Buckingham pl.) from Buckingham st. ....	269.02
Nov. 5,	Wren st. ....	From Rutledge st. to Oriole st. ....	1,247.88
Nov. 16,	Turner st. ....	From Haviland st. to Astor st. ....	731.70
Nov. 16,	Montello st. ....	(Formerly Grace ave.) from Robinson st. to Arcadia st. ....	352.94
Dec. 14,	Fairbury st. ....	From Blue Hill ave. to Rand st. ....	308.72
Dec. 12,	Kenmore st. ....	From Commonwealth ave. to Newbury st. ....	211.00
		<i>Carried forward</i> .....	23,692.61



Streets Laid Out or Extended.—*Concluded.*

DATE.	Street.	Location.	Length, Lin. ft.
Dec. 14,	Ridgemont st....	<i>Brought forward</i> .....	23,692.61
		(Formerly Ridgemont ave.) from All- ston Heights to West Eleanor st. . .	891.48
Dec. 14,	Eleanor st.....	From Cambridge st. to Ridgemont st.,	155.61
Dec. 14,	Bicknell st.....	(Formerly Bicknell ave.) from Har- vard st. to White st.....	833.71
1895.			
Jan. 4,	Columbus ave. . .	From Northampton st. to Franklin park .....	5,750.00
Jan. 5,	Commonw'th ave.	From Chestnut Hill ave. to Newton boundary line.....	1,336.00
		Extensions total .....	32,659.41
		Discontinued total .....	1,208.61
		Total.....	31,450.80
		Or 5.956 miles.	

## Streets Widened and Relocated.

DATE.	Street.	Location.	Sq. ft.
April 11,	Parker st.....	From Westland ave. to Huntington ave. ....	16,092
April 12,	Congress st.....	Between State st. and Congress sq...	241
April 21,	Franklin st.....	Between Cambridge st. and Lincoln st.	4,080
April 16,	Bunker Hill.....	Between Vine st. and Moulton st. . .	5,008
Aug. 10,	Ruggles st.....	South-westerly side between Auburn st. and Westminster st. ....	198
Sept. 8,	Saratoga st.....	Between Bennington st. and the Bos- ton, Revere Beach, and Lynn Rail <sup>d</sup> road .....	7,934
Oct. 3,	Salem st. ....	Near, and north of Parmenter st....	75
Oct. 4,	Cunard st. ....	South-westerly side between Tremont st. and Berlin st. ....	4,032
Oct. 20,	Harvard ave....	From Commonwealth ave. to the Brookline boundary line.....	10,568
Nov. 2,	Boylston st. ....	Easterly side, junc'on of Lamartine st.	1,262
Nov. 5,	Blue Hill ave....	From Washington st., Roxbury, to River st., Dorchester .....	696,213
Nov. 5,	South st. ....	Southerly side at and near Poplar st.	266
Nov. 16,	Brookford st. . .	At and near Rand st. ....	41
Dec. 5,	Seaver st.....	From Blue Hill ave. to Walnut ave.	83,502
Dec. 14,	Cambridge st. . .	Between Harvard ave. and Charles river.....	3,601
1895.			
Jan. 5,	Huntington ave..	From Copley sq. to Brookline boun- dary line.....	192,216
			1,025,329

**Streets Discontinued.**

DATE.	Street.	Location.	Lin. ft.	Sq. ft.
April 12,	Congress sq.	Easterly side, adjoining estate of R. Worthington.....		295
June 22,	Revere st...	Between S. Russell st. and Irving st. ....	74.80	2,195
Oct. 3,	Salem st. . .	Part near and north of Parmenter st. adjoining estate of Mark Lewis and Meyer Berman. ....		3
1895.				
Jan. 4,	Pierpont st.	From Station st. to Prentiss st.	503.65	15,110
Jan. 4,	Cary st....	From Terry st. to Culvert st....	542.84	21,714
Jan. 4,	Terry st....	Part of, near Columbus ave....	39.30	1,084
Jan. 4,	Riverside st.	Part of, near Columbus ave....	48.02	1,585
Jan. 4,	Chapel st...	Part of, near Sarsfield st. ....		580
Jan. 5,	Beacon st...	Building line established on the southerly side from Arlington st. to Massachusetts ave.		
Jan. 5,	Beacon st. .	Building line established on the northerly side from River st. to Massachusetts ave.		
			1,208.61	42,566

The records of the Street Commissioners for the year 1894 show the following results :

Streets laid out or extended	. . . . .	32,659.41 lin. ft.
Streets widened and relocated	. . . . .	1,025,329 sq. ft.
Streets discontinued	. . . . . 42,566 sq. ft. or	1,208.61 lin. ft.
Increase in mileage	. . . . .	5.956 miles.

## FINANCIAL STATEMENT.

Appropriation for 1894-95 . . . . .	\$800,000 00
Amount collected by City Collector for repairs made by Paving Division for different com- panies, etc. . . . .	7,702 30
	<hr/>
	\$807,702 30
Amount of expenditures from Feb- ruary 1, 1894, to January 31, 1895 . . . . .	\$715,608 62
Transferred to Central Office . . . . .	1,000 00
Transferred to Bridge Division . . . . .	5,787 21
Transferred to Sanitary Division . . . . .	1,959 02
Transferred to Street-Cleaning Division . . . . .	21,240 44
Transferred to Sewer Division . . . . .	1,638 66
Transferred to New Lunatic Hos- pital . . . . .	18,000 00
Transferred to County of Suffolk . . . . .	30,000 00
Transferred to New Buildings, Long Island . . . . .	10,000 00
Transferred to Police Station House No. 13, land and addition to . . . . .	1,371 97
Transferred to Grammar School, Pierce District . . . . .	777 98
Transferred to Primary School- House, Oak Square, etc. . . . .	218 40
Transferred to Primary School- House, Emerson District . . . . .	100 00
	<hr/>
	\$807,702 30
	<hr/>
Total expenditures from regular appropriation . . . . .	\$715,608 62
Total expenditures from street-watering appro- priation . . . . .	87,169 08
Total expenditures from special appropriations . . . . .	839,713 78
	<hr/>
Grand total (regular and special) . . . . .	\$1,642,491 48
	<hr/>

## INCOME.

Statement showing the amount of bills deposited with the City Collector from February 1, 1894, to February 1, 1895, on account of the Paving Division :

Sidewalk construction assessments (Law of 1892),	\$1,359 35
Edgestone and sidewalk assessments (Law of 1893) . . . . .	6,998 07
Repairs of streets (Rev. Ord. 1892) . . . . .	2,112 52
Old paving blocks . . . . .	5,429 45
Rent of part of Fort Hill Wharf . . . . .	500 00
Miscellaneous . . . . .	869 02
	<hr/>
	\$17,268 41
	<hr/> <hr/>

The amount paid into the city treasury during the year on account of the Paving Division is as follows :

Sidewalk construction assessments (Law of 1892),	\$32,334 14
Edgestone and sidewalk assessments (Law of 1893) . . . . .	15,546 89
Repairs of streets (Rev. Ord. 1892) . . . . .	3,600 50
Rent of part of Fort Hill Wharf . . . . .	500 00
Miscellaneous . . . . .	854 57
	<hr/>
	\$52,836 10
	<hr/> <hr/>

In addition to the above amount, there was an income from street-watering of . . . . .

\$906 77

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Table showing Expenses paid from the Regular Appropriation, classified by Districts, from February 1, 1894, to January 31, 1895.

Districts.	Repairs.	Show.	Edgewise, Sidewalks, and Crossings.	Fences and Plank-walks.	A. Miscellaneous.	B. Executions of Court.	C. In Excess of Special Appropriation	D. New Work.	Total.
1. South Boston.....	\$24,479 99	\$7,367 47	\$6,997 55	\$1,905 04	.....	.....	\$284 35	.....	\$41,034 40
2. East Boston.....	11,330 30	4,453 08	6,191 35	719 10	.....	.....	.....	.....	22,693 83
3. Charlestown.....	15,422 43	6,199 51	4,411 47	717 80	.....	.....	.....	.....	26,751 21
4. Brighton.....	50,510 08	5,524 99	1,326 63	1,423 22	.....	.....	7,967 43	.....	66,752 35
5. West Roxbury.....	48,409 32	5,940 98	1,506 04	2,293 92	.....	.....	.....	.....	58,150 26
6. Dorchester.....	73,085 57	9,789 88	4,692 73	1,059 25	.....	.....	11,348 63	\$2,174 40	102,150 46
7. Roxbury.....	74,842 23	6,248 42	11,644 26	1,748 81	.....	.....	755 70	.....	95,239 42
8, 9, 10. City proper....	134,174 56	29,787 50	27,150 61	4,522 83	.....	.....	2,794 01	2,044 42	200,573 93
11. Roxbury and West Roxbury.....	27,213 60	3,069 88	4,048 69	305 44	.....	.....	.....	.....	34,637 61
					\$53,438 50	\$14,186 65	.....	.....	53,438 50
Totals.....	\$459,468 08	\$78,381 71	\$67,969 33	\$14,795 41	\$53,438 50	\$14,186 65	\$23,150 12	\$4,218 82	\$715,608 62

A. See Schedule A for items.

B. See Schedule B for items.

C. This schedule shows amount of money spent in excess of the special appropriation, and taken from the maintenance appropriation; for items, see Special Appropriations.

D. This schedule shows streets where the repairs have exceeded \$2,000; for items, see Schedule D.

## SCHEDULE A.

## EXPENDITURES. (DETAILS.)

Salary of Charles R. Cutter, Deputy Superintendent of Streets, February 1, 1894, to December 9, 1894, and from January 13, 1895, to January 30, 1895,	\$3,147 88
Salaries of office clerks . . . . .	9,487 53
Salaries of permit office clerks . . . . .	3,761 47
Advertising in and subscribing for daily papers . . . . .	341 95
Horses, carts, and harnesses (new) . . . . .	6,133 33
Printing and stationery . . . . .	2,576 12
Printing and stationery (permit office) . . . . .	550 46
Repairing stables, sheds, etc. . . . .	2,751 73
Sundries . . . . .	7,776 35
Street signs and numbering . . . . .	1,189 68
Telephones, expense of . . . . .	1,552 49
Tools, cost of keeping the same in repair, etc. . . . .	13,427 51
Removal of permit office to Old Court House . . . . .	742 00
	<hr/>
	\$53,438 50

## SCHEDULE B.

## EXECUTIONS OF COURT, ETC.

Bouge, Alfred F. O. and Emilie A., damage to property . . . . .	\$151 44
Chandler, Lucinda, personal injuries . . . . .	126 77
Cochran, Agnes L., " . . . . .	94 79
Corkey, John F., Adm., " . . . . .	150 00
Cross, Michael, " . . . . .	76 83
Donahue, Nellie E., " . . . . .	125 00
Dowd, John, grade damages . . . . .	857 86
Dunaken, Lucinda C., personal injuries . . . . .	300 00
Farrell, James, " . . . . .	65 00
Fay, Ann, damage to property . . . . .	400 00
Finnegan, Fred. C., personal injuries . . . . .	100 00
Ford, Daniel W., " . . . . .	250 00
Gray, Rachel B., grade damages . . . . .	227 10
Jordan, Sarah, personal injuries . . . . .	526 19
Keohane, Cornelius, " . . . . .	126 83
Kelley, Henry, damage to property . . . . .	501 44
Kneeland, Frank, " " . . . . .	462 43
Lane, Mary A., Adm., personal injuries . . . . .	100 00
Lane, Patrick, damage to coupé . . . . .	152 00
McDowell, Gordon, personal injuries . . . . .	100 00
McManus, Catherine A., " . . . . .	500 00
Milliken, Caroline, " . . . . .	170 56
Murphy, Peter, " . . . . .	50 00
	<hr/>
<i>Carried forward,</i>	\$5,614 24

<i>Brought forward,</i>	\$5,614 24
Norton, Martin, personal injuries . . . . .	1,906 42
Orcutt, Ira A., " . . . . .	350 00
Pratt, Isaac, Jr., abatement sidewalk assessment . . . . .	2,222 78
Purcell, James, personal injuries . . . . .	254 24
Quincy, W. H., damage to property . . . . .	250 00
Richmond, Mary L., personal injuries . . . . .	100 00
Russell, Mary A., " . . . . .	527 43
Sterling, Andrew W., " . . . . .	330 07
Sweeney, Catherine, " . . . . .	150 00
Tucker, Florence E., <i>et als.</i> , damage to estate . . . . .	1,661 75
Weatherbee, Marguerite, personal injuries . . . . .	326 44
Whalley, William, damage to coach . . . . .	25 00
Woodward, Joseph, damage to property . . . . .	468 28
	<hr/>
	\$14,186 65
	<hr/>

## SCHEDULE C.

The following schedule shows the expenditure from the maintenance appropriation of this division in excess of special appropriations :

**Vale street, Ward 15.**

In excess of special appropriation . . . . . \$284 35

**Commonwealth avenue, between St. Paul street and Brighton avenue.**

In excess of special appropriation . . . . . 7,967 43

**Blakeville street, Ward 24.**

In excess of special appropriation . . . . . 569 01

**Bushnell street, Ward 24.**

In excess of special appropriation . . . . . 1,363 33

**Duncan street, Ward 24.**

In excess of special appropriation . . . . . 407 85

**Glenway street, Ward 24.**

In excess of special appropriation . . . . . 268 95

**Greenheys street, Ward 24.**

In excess of special appropriation . . . . . 186 90

**King street, Adams street to Neponset avenue.**

In excess of special appropriation . . . . . 4,082 44

**Lyndhurst street, Ward 24.**

In excess of special appropriation . . . . . 4,026 30

**Park street, Adams street to Upland street.**

In excess of special appropriation . . . . . 443 85

**Thwing street, Ward 21.**

In excess of special appropriation . . . . . 755 70

*Carried forward,* 

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\$20,356 11

<i>Brought forward,</i>	\$20,356 11
<b>Albany street,</b> at Northampton and between Massachusetts avenue.	
In excess of special appropriation . . . . .	896 00
<b>Charles street,</b> Cambridge to Pinckney streets.	
In excess of special appropriation . . . . .	64 11
<b>Commonwealth avenue,</b> between cross-roads and St. Paul street.	
In excess of special appropriation . . . . .	120 00
<b>Harcourt street,</b> Retaining-wall.	
In excess of special appropriation . . . . .	1,713 90
	<hr/>
	<u>\$23,150 12</u>

## SCHEDULE D.

## NEW WORK.

<b>Stockton street,</b> Washington street to Milton avenue.		
Labor . . . . .	\$286 88	
Teaming . . . . .	97 00	
Gravel . . . . .	894 00	
Steam-roller . . . . .	180 00	
Stone . . . . .	716 52	
	<hr/>	\$2,174 40
<b>Bay State road,</b> south side, between Raleigh and Beacon streets.		
Labor . . . . .	\$295 88	
Teaming . . . . .	226 00	
Blocks . . . . .	140 34	
Steam-roller . . . . .	90 00	
Stone . . . . .	1,292 20	
	<hr/>	2,044 42
		<u>\$4,218 82</u>

## REMOVAL OF SNOW.

South Boston . . . . .	\$7,367 47
East Boston . . . . .	4,453 08
Charlestown . . . . .	6,199 51
Brighton . . . . .	5,524 99
West Roxbury . . . . .	5,940 98
Dorchester . . . . .	9,789 88
Roxbury . . . . .	6,248 42
City Proper . . . . .	29,787 50
Roxbury and West Roxbury (District XI.) . . . . .	3,069 88
	<hr/>
	<u>\$78,381 71</u>



STREET-WATERING.

South Boston . . . . .	\$6,471 95
East Boston . . . . .	5,411 95
Charlestown . . . . .	5,316 95
Brighton . . . . .	9,629 45
West Roxbury . . . . .	12,368 90
Dorchester . . . . .	12,083 90
Roxbury . . . . .	12,448 88
City Proper . . . . .	23,437 10
	<hr/>
	\$87,169 08

DETAIL OF EXPENDITURES MADE UNDER SPECIAL APPROPRIATIONS.

**Baker street,** Ward 23, Baker place to Mt. Vernon street, grading and gravelling.

Labor . . . . .	\$930 82
Teaming . . . . .	522 00
Gravel . . . . .	189 00
Sundries . . . . .	10 08
	<hr/>
	\$1,651 90
Amount of special appropriation . . . . .	\$1,350 40
Amount paid out of Street Improvements, Aldermanic District No. 11 . . . . .	102 50
Amount paid out of Street Improvements, Wards 23 and 25 . . . . .	199 00
	<hr/>
	\$1,651 90

**Bellflower street,** Dorchester avenue to Boston street. Filling to sub-grade.

Labor . . . . .	\$46 25
4,075 cubic yards filling . . . . .	2,241 25
750 double loads filling . . . . .	712 50
	<hr/>
	\$3,000 00
Amount of special appropriation . . . . .	\$3,000 00

**Blakeville street,** Ward 24. Grading and macadamizing; edge-stones set; gutters paved; sidewalks gravelled.

Labor . . . . .	\$970 30
Teaming . . . . .	400 00
Gravel . . . . .	486 75
Stone . . . . .	220 50
Rolling . . . . .	60 00
Paving . . . . .	198 46
Advertising . . . . .	6 00
	<hr/>

*Carried forward,* \$2,342 01

<i>Brought forward,</i>		\$2,342 01
Amount of special appropriation . . . . .	\$1,500 00	
Amount paid out of Street Improvements, Ward 24 . . . . .	273 00	
Amount paid out of Paving Division . . . . .	569 01	
	<u>          </u>	<u>\$2,342 01</u>

**Blue Hill avenue,** Dudley street to within 80 feet of Dalmatia street, grading and reconstructing street, edgestone set, brick sidewalks laid, crosswalks paved, roadway paved with large granite blocks, catch-basins built.

8,146 sq. yds. granite block paving.

Labor . . . . .		\$5,944 61
Teaming . . . . .		4,706 50
Gravel . . . . .		5,763 00
Sand . . . . .		1,225 80
Stone . . . . .		540 75
Advertising . . . . .		35 63
46,000 paving-bricks . . . . .		575 00
207,035 large granite blocks . . . . .		13,866 92
2,664 feet of flagging . . . . .		2,130 57
1,150 feet of edgestone, and nine large corners . . . . .		798 39
Amount paid to D. N. Payson :		
5,811 sq. yds. block-paving laid, at 25 cts. . . . .	\$1,452 75	
3,344 feet edgestone set, at 8 cts. . . . .	267 52	
2,005.5 sq. yds. brick-paving laid, at 18 cts. . . . .	360 99	
295 sq.yds. flagging crosswalks laid, at 25 cts. . . . .	73 75	
	<u>          </u>	2,155 01
Work done by the Sewer Division . . . . .		439 79
		<u>\$38,181 97</u>

Amount of special appropriation . . . . .	\$25,000 00	
Amount paid out of street improvements, Ward 20 . . . . .	8,160 58	
Amount paid out of street improvements, Ward 21 . . . . .	5,021 39	
	<u>          </u>	<u>\$38,181 97</u>

**Bumstead lane** (now St. Alphonsus street), Tremont street to Huntington avenue, grading and widening, edgestone set, brick sidewalks laid, gutters paved, heavy Telford-Macadam roadway built, crosswalks laid, catch-basins built, fences built, and retaining-walls constructed. Length, 1,173 feet; width, 40 feet.

Labor . . . . .		\$1,725 91
Teaming . . . . .		1,788 00
Gravel . . . . .		2,878 10
		<u>          </u>
<i>Carried forward,</i>		\$6,392 01

<i>Brought forward,</i>	\$6,392 01
Stone . . . . .	4,491 11
Sand . . . . .	478 80
1,500 large granite blocks . . . . .	105 00
2,123 $\frac{7}{12}$ feet edgestone, and 12 small corners . . . . .	1,424 43
280.4 feet of flagging . . . . .	224 32
Retaining-wall . . . . .	50 00
Rolling . . . . .	190 00
Sundries . . . . .	4 23

Amount paid to M. Kiernan :		
682 $\frac{1}{2}$ days' labor, at \$1.75 . . . . .	\$1,194 37	
Plus 15% . . . . .	179 15	
	<hr/>	1,373 52

Amount paid to A. A. Libby & Co. :		
388.1 feet old edgestone reset, at 8 cts. . . . .	\$31 05	
2,218 feet new edgestone set, at 8 cts. . . . .	177 44	
769.8 sq. yds. block-paving laid, at 25 cts. . . . .	192 45	
826 sq. yds. round-stone paving laid, at 25 cts. . . . .	206 50	
204.3 sq. yds. brick sidewalks relaid at 18 cts. . . . .	36 78	
965.9 sq. yds. brick sidewalks laid (new), at 18 cts. . . . .	173 86	
	<hr/>	818 08

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\$15,551 50

Amount of special appropriation . . . . .	\$7,327 00	
Amount paid out of street improvements, Aldermanic District No. 9 . . . . .	8,059 32	
Amount paid out of street improvements, Wards 19 and 22 . . . . .	165 18	
	<hr/>	\$15,551 50

**Bunker Hill, Vine, and Moulton streets** (work unfinished),  
grading.

Labor . . . . .	\$141 45
Gravel . . . . .	11 70
Filling . . . . .	219 00
	<hr/>
	\$372 15

**Bushnell street** (now Peabody square), Ashmont street to Dorchester avenue, grading and macadamizing, edgestones set, crosswalks laid, gutters paved, catch-basin built.

Labor . . . . .	\$998 60
Teaming . . . . .	390 50
Gravel . . . . .	201 30
Stone . . . . .	331 50
Rolling . . . . .	30 00
5,125 large paving blocks . . . . .	358 75
	<hr/>

*Carried forward,* \$2,310 65

<i>Brought forward,</i>		\$2,310 65
157 $\frac{1}{2}$ feet park edgestone . . . . .		408 42
88 $\frac{3}{4}$ feet circular edgestone . . . . .		80 95
29 $\frac{7}{8}$ feet straight edgestone . . . . .		19 23
604 feet flagging . . . . .		544 08
		<hr/>
		\$3,363 33
Amount of special appropriation . . . . .	\$2,000 00	
Amount paid out of Paving Division . . . . .	1,363 33	
	<hr/>	\$3,363 33
<b>Charter street</b> (work not started).		
Advertising . . . . .		\$9 20
		<hr/>
<b>Commonwealth avenue</b> , construction, Beacon street to Chestnut Hill avenue.		
Labor, including engineering and inspection . . . . .	\$39,017 64	
Teaming . . . . .	8,977 50	
Gravel . . . . .	12,250 45	
Loam . . . . .	6,846 31	
Gravel filling . . . . .	18,544 67	
Stone . . . . .	50,962 05	
Rolling . . . . .	2,980 00	
Cement . . . . .	7 50	
Powder and fuse . . . . .	126 00	
Fuel . . . . .	76 65	
Hardware, tools, etc. . . . .	282 56	
177,128 large granite blocks . . . . .	12,980 32	
6,935 large granite blocks (culls) . . . . .	381 85	
8,780 $\frac{4}{8}$ feet straight edgestone . . . . .	5,707 26	
273 $\frac{1}{2}$ feet circular edgestone <sup>1</sup> . . . . .	279 31	
29 large corners and 6 small corners . . . . .	182 50	
Lumber . . . . .	247 45	
Advertising . . . . .	95 58	
Land damages . . . . .	30,275 00	
Building Inspector's shanty . . . . .	228 38	
Sundries . . . . .	904 00	
Amount paid to A. McMurtry :		
348 cu. yds. rock excavating, at \$1.75 . . . . .	\$609 00	
Grading off slopes . . . . .	125 00	
	<hr/>	734 00
Amount paid to R. A. Davis :		
Final payment for work done under contract in 1893, . . . . .	661 87	
Amount paid to Boston Contracting Co. :		
43,509 cu. yds. gravel filling, at 41 cts., \$17,838 69		
Less amount paid to laborers, . . . . .	477 92	
	<hr/>	\$17,360 77
Less amount drawn on the City Treasurer but not paid . . . . .	5,633 05	
	<hr/>	11,727 72
		<hr/>
<i>Carried forward,</i>		\$204,476 57

<i>Brought forward,</i>	\$204,476 57
Executions of Court for services rendered by laborers to the Boston Contracting Co. . . . .	660 06
Amount paid to Fidelity and Deposit Co. :	
14,166 cu. yds. gravel filling, at 41 cts. . . . .	5,808 06
Amount paid to F. H. Cowin :	
Final payment for work done under contract in 1893 . . . . .	\$783 83
4,052 sq. yds. block paving laid, at 35 cts.,	1,418 20
6,014 feet edgestone set, at 8 cts. . . . .	481 12
Extra labor, as ordered . . . . .	19 55
	<hr/> 2,702 70
Amount paid to H. Gore & Co. :	
1,626 sq. yds. block paving laid, at 35 cts.,	\$569 10
854 sq. yds. block paving laid, at 25 cts.,	213 50
3,205 feet edgestone set, at 8 cts. . . . .	256 40
	<hr/> 1,039 00
Amount paid to Leavitt, Daily, & Crockett :	
Building abutments to Cottage Farm bridge, contract price . . . . .	\$40,150 50
Extra work and material, relaying wall :	
3 $\frac{3}{10}$ days, foreman, at \$4 . . . . .	13 20
3 days, mason, at \$3.50 . . . . .	10 50
6 $\frac{9}{10}$ days, mason tender, at \$1.50 . . . . .	10 35
3 $\frac{3}{10}$ days, engineer, at \$3 . . . . .	9 90
3 $\frac{3}{10}$ days, derrick, at \$1.50 . . . . .	4 95
3 $\frac{3}{10}$ days, engine, at \$2 . . . . .	6 60
12 barrels cement, at \$1.15 . . . . .	13 80
	<hr/> 40,219 80
Work done by the Bridge Division . . . . .	2,954 15
Work done by the Sewer Division . . . . .	46,400 65
	<hr/> \$304,260 99
Amount paid out of appropriation for	
Commonwealth avenue . . . . .	\$296,173 56
Amount paid out of Paving Division . . . . .	8,087 43
	<hr/> \$304,260 99
<b>Congress and L streets (work uncompleted).</b>	
Labor . . . . .	\$282 00
Fence . . . . .	276 00
	<hr/> \$558 00
<b>Cranston street, Ward 23 (unfinished work from 1893).</b>	
Labor . . . . .	\$425 00
Teaming . . . . .	96 00
Carpentering . . . . .	34 00
Powder and fuse . . . . .	13 75
	<hr/> \$568 75
Amount of special appropriation . . . . .	\$568 75

**Dartmouth street**, Boylston to Newbury street, asphalted.

Labor . . . . .	\$232 36
Lumber . . . . .	84 26
Paving . . . . .	98 62
Amount paid to J. J. Sullivan for excavating 359 cu. yds., excavation, at 97 cts. . . . .	348 23
Amount paid to Metropolitan Construction Co., 274.4 cu. yds., cement concrete base, at \$5.00 . . . . .	1,372 00
Amount paid to Barber Asphalt Paving Co., 1,646.3 sq. yds. Trinidad asphalt pavement, at \$2.25 . . . . .	3,704 18
	<hr/>
	\$5,839 65

**Day street**, Centre to Heath street, graded, heavy Telford-Macadam road built, edgestones set, sidewalks gravelled, gutters paved, crosswalks laid, fences built, catch-basins built.

Labor . . . . .	\$1,677 30
Teaming . . . . .	1,506 00
Gravel . . . . .	2,461 60
Stone and stone screenings . . . . .	3,991 62
Lumber . . . . .	71 83
2,958 ft. straight edgestones, 2 large and 10 small corners, 1,967 40	
177 $\frac{7}{12}$ ft. circular edgestone . . . . .	230 88
Sundries . . . . .	10 75
Amount paid to T. H. & S. D. Payson:	
3,702 ft. edgestone set, at 8 cts. . . . .	\$288 16
1,458.8 sq. yds. block paving laid, at 25 cts. . . . .	364 70
56.3 sq. yds brick paving laid, at 18 cts., . . . . .	10 13
132 days labor . . . . .	265 65
	<hr/>
	928 64
	<hr/>
	\$12,846 02

Amount of special appropriation . . . . .	\$7,500 00
Amount paid out of Street Improvements, Wards 19 and 22 . . . . .	4,948 33
Amount paid out of Street Improvements, Aldermanic District No. 9 . . . . .	397 69
	<hr/>

\$12,846 02

**Fay street**, asphalted.

Advertising . . . . .	\$7 00
Amount paid to H. Gore & Co.:	
250 sq. yds. cobble paving dug out and relaid, at 75 cts . . . . .	\$187 50
529.7sq. yds. Sicilian rock asphalt laid, at \$2.25 . . . . .	1,214 32
	<hr/>
	\$1,401 82
	<hr/>
	\$1,408 82
Amount of special appropriation . . . . .	\$1,408 82
	<hr/>

**Lewis-street extension**, graded, paved with large granite blocks, edgestones set, brick sidewalks laid.

Labor . . . . .	\$417 85
Teaming . . . . .	367 00
Gravel . . . . .	111 34
464 ft. straight edgestone . . . . .	301 60
75.8 ft. flagging . . . . .	60 64
10,520 large granite blocks . . . . .	701 68
1,000 paving brick . . . . .	13 00

Amount paid to P. W. Hernan :

658.4 sq. yds. block paving, at 25 cts. . . . .	\$164 60
448 ft. edgestone set, at 8 cts. . . . .	35 84
112.6 sq. yds. brick paving laid, at 18 cts., . . . . .	20 28
45 sq. yds. flagging crosswalks laid, at 25 cts. . . . .	11 25

231 97

Work done by the Sewer Division . . . . . 114 21

\$2,319 29

Amount paid out of appropriation for

Lewis street . . . . . \$1,834 79

Amount paid out of Street Improve-  
ments, Ward 6 . . . . . 484 50

\$2,319 29

**Mill street**, Ward 24, Houghton street to railroad, macadamized.

Labor . . . . .	\$336 65
Teaming . . . . .	126 50
Gravel . . . . .	272 25
Stone . . . . .	1,620 50
Rolling . . . . .	80 00
Work done by the Sewer division . . . . .	131 10

\$2,567 00

Amount of special appropriation . . . . . \$2,000 00

Amount paid out of Street Improve-  
ments, Ward 24 . . . . . 567 00

\$2,567 00

**Millett street**, Ward 24, culvert.

Labor . . . . .	\$50 50
Work done by the Sewer Division . . . . .	545 38

\$595 88

Amount of special appropriation . . . . . \$595 88

**Montview street**, Ward 23, graded, macadamized.

Labor . . . . .	\$1,933 02
Teaming . . . . .	1,275 00

*Carried forward,*

\$3,208 02

<i>Brought forward,</i>		\$3,208 02
Gravel . . . . .		443 88
Stone . . . . .		543 00
Advertising . . . . .		18 38
		<hr/>
		\$4,213 28
Amount of special appropriation . . . . .	\$1,273 05	
Amount paid out of Street Improve- ments, Aldermanic District No. 11 . . . . .	2,618 55	
Amount paid out of Street Improve- ments, Wards 23 and 25 . . . . .	321 68	
		<hr/>
		\$4,213 28

**Mt. Vernon street, Ward 24, grade damages.**

Amount paid to O.C. R.R. Co. :		
Judgment paid by the railroad company in settle- ment of personal injuries sustained at the pumping- station crossing . . . . .		\$1,325 00
Amount of special appropriation . . . . .		\$1,325 00
		<hr/>

**Newport Street, Ward 24, Crescent avenue to Harbor View street, macadamized, edgestones set, gutters paved.**

Labor . . . . .		\$240 95
Teaming . . . . .		130 50
Gravel . . . . .		107 25
Filling . . . . .		115 50
Stone . . . . .		1,044 59
Rolling . . . . .		80 00
Paving . . . . .		76 11
Work done by the Sewer Division . . . . .		109 22
		<hr/>
		\$1,904 12
Amount of special appropriation . . . . .		\$1,904 12
		<hr/>

**Oak street, Washington street to Harrison avenue, paved with large granite blocks, edgestone reset, brick sidewalks relaid.**

810 sq. yds. block paving.		
Labor . . . . .		\$916 89
Teaming . . . . .		732 00
Gravel . . . . .		200 30
52 feet of edgestone . . . . .		33 80
6,650 paving-brick . . . . .		86 45
18,125 large paving-blocks . . . . .		1,208 94
40 feet flagging . . . . .		32 00
Masonry . . . . .		92 00
Advertising . . . . .		11 00
		<hr/>
		\$3,313 38
Amount of special appropriation . . . . .		\$3,313 38
		<hr/>



**Park street,** Charlestown, City square to Henley street, widened, paved with large granite blocks.

Labor . . . . .	\$327 10
Teaming . . . . .	111 50
Gravel . . . . .	170 49
4,182 large paving-blocks . . . . .	294 89
Advertising . . . . .	5 00
Amount paid to Patrick Brennan :	
917 sq. yds. block paving . . . . .	229 25

\$1,138 23

Amount of special appropriation . . . . . \$1,138 23

**Preston street,** Ward 24, graded, macadamized, culvert built.

Labor . . . . .	\$980 67
Teaming . . . . .	339 50
Gravel . . . . .	631 95
Filling . . . . .	154 00
Stone . . . . .	2,464 00
Rolling . . . . .	120 00

Amount paid to P. J. Lyons :

Building culvert . . . . .	700 00
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\$5,390 12

Amount of special appropriation . . . \$5,000 00

Amount paid out of Street Improvements,

Ward 24 . . . . .	390 12
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\$5,390 12

**Ruth street,** East Boston, extended to Marginal street, graded, heavy granite retaining wall on westerly side, wall, steps, platform, fences, and iron hand-rails built.

Labor . . . . .	\$1,721 55
Teaming . . . . .	289 50
Stone . . . . .	252 07
Sand . . . . .	17 00
Lumber . . . . .	147 25
Edgestone . . . . .	23 00
Paint and oil . . . . .	43 14
Cement . . . . .	29 00
Masonry . . . . .	248 50
Pipe . . . . .	26 44

Amount paid to Simpson Bros. :

Building granite, cement, wall, and steps.	
1,946.3 cu. ft. wall, at 36 cts. . . . .	\$700 66
768.8 sq. ft. surfacing, at 10 cts. . . . .	76 88
691.3 lin. ft. steps, at \$1.15 . . . . .	794 99
1,020 4 sq. ft. platforms, at 30 cts. . . . .	306 12

Carpenter-work, as ordered :

Labor, \$121.50; plus 15%, \$18.22 . . . . .	139 72
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<i>Carried forward,</i>	<u>\$2,018 37</u>	<u>\$2,797 45</u>
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<i>Brought forward,</i>	\$2,018 37	\$2,797 45
Lumber, nails, and leading, \$90.93; plus, 15%, \$13.63 . . . . .	104 56	
	<hr/>	2,122 93
Amount paid to Geo. T. McLauthlin & Co.:		
Putting up fence and painting . . . . .	\$335 00	
Extra work, as ordered . . . . .	221 97	
	<hr/>	556 97
Work done by the Sewer Division . . . . .		109 36
		<hr/>
		<u>\$5,586 71</u>
Amount paid out of appropriation for Ruth street . . . . .	\$5,029 74	
Amount paid out of Street Improvements, Wards 1 and 2 . . . . .	556 97	
	<hr/>	<u>\$5,586 71</u>

**Second street, I to L street, paved with large granite blocks.**

Labor . . . . .		\$1,284 95
Teaming . . . . .		543 00
Gravel . . . . .		524 54
53,442 large paving-blocks . . . . .		3,564 58
23,000 paving-brick . . . . .		287 50
Wharfage . . . . .		160 68
Amount paid to H. Gore & Co.:		
2,391 sq. yds. block paving laid, at 25 cts.,	\$597 75	
73 feet edgestone set, at 8 cts. . . . .	5 84	
470 sq. yds. brick paving laid, at 18 cts.,	84 60	
49 sq. yds. block stone crossings, at 25c.,	12 25	
	<hr/>	700 44
		<u>\$7,065 69</u>

**STREET IMPROVEMENTS, ALDERMANIC  
DISTRICT NO. 1.**

**Bennington street, Wordsworth to Saratoga street, filled to  
grade.**

Labor . . . . .		\$1,533 10
Teaming . . . . .		2,204 00
Gravel . . . . .		308 02
Advertising . . . . .		5 50
Paving . . . . .		115 56
		<hr/>
		\$4,166 18
Amount paid out of Street Improvements, Aldermanic District No. 1 . . . . .	\$3,861 81	
Amount paid out of Street Improvements, Wards 1 and 2 . . . . .	304 37	
	<hr/>	<u>\$4,166 18</u>

**Chelsea street, Porter street to Chelsea bridge, macadamized.**

Labor . . . . .	\$2,986 55
Teaming . . . . .	1,347 50
Stone . . . . .	3,023 55
Gravel . . . . .	747 84
Rolling . . . . .	940 00
Advertising . . . . .	5 00

\$9,050 44

Amount paid out of Street Improvements,  
Aldermanic District No. 1 . . . . . \$4,563 93

Amount paid out of Street Improvements,  
Wards 1 and 2 . . . . . 4,486 51

\$9,050 44

**Moore street, Bennington to Cowper street, filled and gravelled.**

Labor . . . . .	\$259 75
Teaming . . . . .	236 50
Gravel . . . . .	407 93

\$904 18

Amount paid out of Street Improvements,  
Aldermanic District No. 1 . . . . . \$853 70

Amount paid out of Street Improvements,  
Wards 1 and 2 . . . . . 50 48

\$904 18

**New edgestones, sidewalks, and gutters.**

Labor . . . . .	\$461 82
Teaming . . . . .	63 00
Gravel . . . . .	13 88
Sand . . . . .	11 00

\$549 70

Amount paid out of street improvements, Aldermanic  
District No. 1 . . . . . \$549 70

**Work done by the Sewer Division . . . . . \$2,370 86**

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
NO. 2.

**Alford street, paving, edgestone set.**

Labor . . . . .	\$620 64
Teaming . . . . .	72 00
Gravel . . . . .	323 47

Amount paid to P. Brennan :

1,215 feet of edgestone set, at 8 cts. . . . . \$97 20  
1,290 sq.yds. block paving laid, at 25 cts., . . . . . 322 50

*Carried forward,* \$419 70 \$1,016 11

<i>Brought forward,</i>	\$419 70	\$1,016 11
24 sq. yds. brick paving laid, at 18 cts.,	4 32	
	<hr/>	424 02
		<hr/>
		\$1,440 13
Amount paid out of street improvements, Aldermanic District No. 2 . . . . .		<u>\$1,440 13</u>

**Austin street,** Washington street to the railroad, paved with large granite blocks, edgestones set, brick sidewalks laid.

Labor . . . . .		\$824 25
Teaming . . . . .		232 50
Gravel . . . . .		532 35
Sundries . . . . .		2 97
11,000 paving-brick . . . . .		132 00
377 feet of granite flagging . . . . .		290 29
32,625 large paving-blocks . . . . .		2,316 37

Amount paid to John Turner & Co.:

2,646 sq. yds. block paving laid, at 25 cts.,	\$661 50	
787 feet edgestone reset, at 8 cts. . . . .	62 96	
512 sq. yds. brick paving laid, at 18 cts.,	92 16	
67 sq. yds. crosswalks laid, at 25 cts. . . . .	16 75	
	<hr/>	\$833 37
Less 10,000 old blocks, at \$10 . . . . .	100 00	
	<hr/>	733 37
		<hr/>
		\$5,064 10

Amount paid out of street improvements, Aldermanic District No. 2 . . . . .	\$1,179 97
Amount paid out of street improvements, Ward 5 . . . . .	3,884 13

\$5,064 10

**Chapman street,** Rutherford avenue to Austin street, paved with large granite blocks, edgestones set, brick sidewalks relaid.

Labor . . . . .		\$385 23
Teaming . . . . .		415 10
Gravel . . . . .		343 20
Masonry . . . . .		10 00
430 feet granite crossing stone . . . . .		331 10
35,775 large paving-blocks . . . . .		2,540 03

Amount paid to John Turner & Co.:

1,431 sq. yds. block paving, at 25 cts. . . . .	\$357 75	
5.8 feet edgestone, at 65 cts. . . . .	3 77	
654.5 feet edgestone reset, at 8 cts. . . . .	52 36	
506 sq. yds. brick paving relaid, at 18 cts.,	91 08	
111.7 sq. yds. crosswalks laid, at 25 cts.,	27 93	
	<hr/>	532 89

*Carried forward,*

\$4,557 55

<i>Brought forward,</i>	\$4,557 55
Amount paid out of street improvements, Aldermanic District No. 2 . . . . .	\$3,536 50
Amount paid out of street improvements, Ward 5 . . . . .	1,021 05
	<u>\$4,557 55</u>

**Charles street,** Ward 4, paved with large granite blocks, edge-stone reset, brick sidewalks relaid, crosswalks relaid.

Labor . . . . .	\$374 90
Teaming . . . . .	94 50
Gravel . . . . .	112 86
11,400 large paving-blocks . . . . .	760 38
	<u>\$1,342 64</u>

**Main street,** crossing.

Labor . . . . .	<u>\$29 90</u>
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**Medford street,** work done by the West End Street Railway Co.

9,000 large paving-blocks . . . . .	\$585 00
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**Phipps street,** paved with large granite blocks, edgestones reset, brick sidewalks relaid, crosswalks relaid.

Labor . . . . .	\$299 00
Teaming . . . . .	78 50
Gravel . . . . .	71 28
11,210 large paving-blocks . . . . .	755 06
2,000 paving-brick . . . . .	24 00
	<u>\$1,227 84</u>

**Rutherford avenue,** Devens to Chapman street, paved with large granite blocks, brick sidewalks laid, edgestones reset, crosswalks laid.

Labor . . . . .	\$1,516 50
Teaming . . . . .	441 50
Gravel . . . . .	589 38
Sand . . . . .	27 90
Advertising . . . . .	18 00
54,034 large granite blocks . . . . .	3,701 81
9,000 paving-brick . . . . .	108 00
	<u>\$6,403 09</u>

**Thompson street,** macadamized, edgestones reset, brick sidewalks relaid, gutters paved.

Labor . . . . .	\$161 00
Teaming . . . . .	46 50
Gravel . . . . .	41 68
1,500 paving-brick . . . . .	18 00
	<u>\$267 18</u>

<b>Work done by the Sewer Division . . . . .</b>	<u>\$1.173 50</u>
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STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 3.

**Chambers street**, Ashland to Brighton street, widened, graded, paved with large granite blocks, edgestones set, brick sidewalks laid, crosswalks laid.

Labor . . . . .	\$1,687 74
Teaming . . . . .	949 50
Gravel . . . . .	372 40
Sand . . . . .	45 00
Lumber . . . . .	12 20
Advertising . . . . .	6 00
243.5 feet. of flagging . . . . .	219 15
621 feet edgestone, 4 large and 4 small corners . . . . .	432 75
35,650 large granite blocks . . . . .	2,377 86
33,500 paving-brick . . . . .	418 75

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\$6,521 35

Amount paid out of Street Improvements, Aldermanic District No. 3 . . . \$1,038 80

Amount paid out of Street Improvements, Ward 8 . . . . . 5,482 55

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\$6,521 35

**Work done by the Sewer Division . . . . .** \$77 18

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 4.

**Court Square**, asphalted on a concrete base.

Labor . . . . .	\$173 20
Teaming . . . . .	130 00
Amount paid to Barber Asphalt Paving Co., 1,020.7 sq. yds. Trinidad asphalt paving, at \$2.25 . . . . .	\$2,296 58
1,222.5 cu. ft. asphalt concrete binder, at 32.1 cts. . . . .	392 42

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2,689 00

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\$2,992 20

Amount paid out of Street Improvements, Aldermanic District No. 4 . . . \$2,457 35

Amount paid out of Street Improvements, Wards 9 and 10 . . . . . 507 25

Amount paid out of Street Improvements, Ward 10 . . . . . 27 60

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\$2,992 20

**Harrison avenue**, Essex to Beach street, graded, widened, paved with large granite blocks, partly on a concrete and partly on a gravel base, with pitch joints; edgestone reset, sidewalks laid and relaid, crosswalks relaid.

Labor . . . . .	\$2,148 61
Teaming . . . . .	871 00
Gravel . . . . .	306 60
Pebbles . . . . .	122 51
Masonry . . . . .	126 00
Fuel . . . . .	12 75
Templets . . . . .	38 82
Advertising . . . . .	41 00
6,115 paving-brick . . . . .	79 50
7,404 gallons road-pitch . . . . .	666 36
16 $\frac{5}{12}$ feet circular edgestone . . . . .	21 34
91 $\frac{10}{12}$ feet straight edgestone . . . . .	59 80
15,583 large paving-blocks . . . . .	1,039 39
165.7 cu. yds. concrete base . . . . .	828 50
182 feet of flagging . . . . .	134 62

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\$6,496 80

Amount paid out of Street Improvements, Aldermanic District No. 4 . \$308 20

Amount paid out of Street Improvements, Wards 9 and 10 . . . . . 6,188 60

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\$6,496 80

**Mason street**, asphalted over old cobblestones.

Labor . . . . .	\$157 84
Teaming . . . . .	24 00
Templets . . . . .	7 94
Gravel . . . . .	9 10
Masonry . . . . .	14 00
1,550 paving-brick . . . . .	20 15
117 $\frac{4}{12}$ feet edgestone . . . . .	76 27
1 large and 1 small corner . . . . .	8 95

Amount paid to H. Gore & Co.:

479.8 sq. yds. Sicilian rock asphalt, at \$2.25 . . . . . \$1,079 55

Extra work as ordered . . . . . 137 24

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1,216 79

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\$1,535 04

Amount paid out of Street Improvements, Aldermanic District No. 4 . \$1,481 06

Amount paid out of Street Improvements, Wards 9 and 10 . . . . . 53 98

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\$1,535 04

**Pemberton square**, graded, asphalted on a concrete base, granolithic sidewalks laid, new edgestones set, crosswalks laid.

Labor . . . . .	\$1,555 52
Teaming . . . . .	1,020 50
Gravel . . . . .	41 30
Templets . . . . .	12 10
5,000 large paving-blocks . . . . .	333 50
46 $\frac{8}{2}$ feet edgestone . . . . .	106 79
Amount paid to Metropolitan Construction Co. :	
227.9 cu. yds. cement concrete base, at \$5 . . . . .	1,139 50
Amount paid to H. Gore & Co. :	
1,373 sq. yds. Sicilian rock asphalt, at \$2.25 . . . . .	3,089 25
Amount paid to Simpson Bros. :	
4,360.7 sq. yds. artificial stone sidewalk, at 25 cts. . . . .	1,090 17
Amount paid to James Grant & Co. :	
226 sq. yds. block paving tar joints laid at 90 cts. . . . .	\$203 40
27 sq. yds. crosswalks laid, at 90 cts. . . . .	24 30
28 feet edgestone set, at 8 cts. . . . .	2 24
Labor, and material furnished in setting edgestone and steps . . . . .	315 85
	545 79
	\$8,934 42

Amount paid out of street improvements,

Aldermanic District No. 4 . . . . . \$7,034 66

Amount paid out of street improvements,

Wards 9 and 10 . . . . . 1,899 76

\$8,934 42

**Washington street**, Essex to Kneeland street, paved with large granite blocks on a concrete base, edgestone reset, sidewalks relaid, crosswalks laid.

Labor . . . . .	\$2,946 50
Teaming . . . . .	1,558 00
Gravel . . . . .	339 10
Templets . . . . .	26 27
Sundries . . . . .	89 44
1,620 feet of flagging . . . . .	1,296 00
53 $\frac{1}{2}$ feet circular edgestone . . . . .	70 09
219 ft. straight edgestone . . . . .	142 35
1 large corner . . . . .	5 60
10,500 paving-brick . . . . .	131 25
52,825 large granite blocks . . . . .	3,523 43
1,290 sq. yds. block paving removed . . . . .	185 35
Amount paid to Metropolitan Construction Co. :	
371.8 cu. yds. cement concrete base at \$5.00 . . . . .	1,859 00
Amount paid to H. Gore & Co. :	
2,221.8 sq. yds. block paving, pitch joints, at 90 cts. . . . .	\$1,999 62

*Carried forward,*

\$1,999 62    \$12,172 38



STREET DEPARTMENT — PAVING DIVISION. 191

<i>Brought forward,</i>	\$1,999 62	\$12,172 38
1,095 sq. yds. block paving, pitch joints, at \$1.25 . . . . .	1,368 75	
265.7 sq. yds. block paving, pitch joints, at 90 cts. . . . .	239 13	
56.8 sq. yds. block paving, gravel joints, at 25 cts. . . . .	14 20	
563.6 ft. edgestone set at 8 cts. . . . .	45 09	
360 sq. yds. brick paving at 18 cts. . . . .	64 80	
	<hr/>	3,731 59
		<hr/>
		\$15,903 97
Less amount paid by J. H. Pray's Sons & Co. . . . .	63 00	
Less amount paid by West End Street Railway Co. . . . .	4,999 17	
	<hr/>	5,062 17
		<hr/>
		\$10,841 80
Amount paid out of Street Improvements, Aldermanic District No. 4 . . . . .	\$3,276 75	
Amount paid out of Street Improvements, Ward 10 . . . . .	4,186 80	
Amount paid out of Street Improvements, Wards 9 and 10. . . . .	3,378 25	
	<hr/>	\$10,841 80
		<hr/>
<b>Work done by the Sewer Division . . . . .</b>		<u>\$479 41</u>

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
NO. 5.

<b>Harcourt street, retaining-wall built.</b>		
Labor and inspection . . . . .		\$160 00
Advertising . . . . .		22 88
Sundries . . . . .		2 50
Amount paid to J. S. Jacobs & Son.:		
Building retaining-wall, as per contract . . . . .		1,974 00
		<hr/>
		\$2,159 38
Amount paid out of Street Improvements, Aldermanic District No. 5 . . . . .	\$445 48	
Amount paid out of Paving Division . . . . .	1,713 90	
	<hr/>	\$2,159 38
		<hr/>
<b>Work done by the Sewer Division. . . . .</b>		<u>\$92 34</u>

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
NO. 6.

**Ash street** (work not finished).

Amount paid to H. Gore &amp; Co.:

5 hours labor, stone-cutter, at \$4.50 . . . . .	\$2 50
3,000 paving brick, at \$12.50 . . . . .	37 50
71 sq. yds. cobblestone paving laid, at 50 cts. . . . .	35 50
415 feet edgestone reset, at 15 cts. . . . .	62 25
236 sq. yds. brick paving relaid, at 43 cts. . . . .	101 48
	\$239 23

**Essex street**, Chauncy to South street. Paved with large granite blocks on gravel, partly with pitch, and partly with gravel joints. Widened, graded, edgestone reset, sidewalks relaid, crosswalks laid.

Labor . . . . .	\$2,613 56
Teaming . . . . .	2,636 22
Gravel . . . . .	718 96
Masonry . . . . .	377 00
43 $\frac{1}{2}$ feet circular edgestone . . . . .	57 09
71 $\frac{8}{12}$ feet straight edgestone and 2 small corners . . . . .	53 28
40,700 paving brick . . . . .	508 75
594.5 feet flagging . . . . .	429 88
19,175 large granite blocks . . . . .	1,278 97

Amount paid to A. A. Libby &amp; Co.:

1,698 sq. yds. block paving, pitch joints, at 90 cts. . . . .	\$1,528 20
497 feet edgestone set, at 8 cts. . . . .	39 76
41 sq. yds. brick paving laid, at 18 cts. . . . .	7 38
68 sq. yds. flagging crosswalks laid, pitch joints, at 90 cts. . . . .	61 20
1,256 sq. yds. block paving, gravel joints, at 25 cts. . . . .	314 00
6 sq. yds. brick paving. herring-bone, at 36.1 cts. . . . .	2 17
	1,952 71

Amount paid to Doherty &amp; O'Leary:

1,442 sq. yds. block paving, pitch joints, at 90 cts. . . . .	\$1,297 80
652 feet edgestone set, at 8 cts. . . . .	52 16
531 sq. yds. brick paving, at 18 cts. . . . .	95 58
70 sq. yds. flagging crossings, pitch joints, at 90 cts. . . . .	63 00
7 sq. yds. cobble-stone repaving, at 25c., . . . . .	1 75
	1,510 29
	\$12,136 71

**Essex and Lincoln streets**, (Burnt district).

Amount paid to A. A. Ellston:

Taking down walls, as per contract . . . . .	\$1,455 00
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**Foundry street,** Division to W. Fourth street. Paved with large granite blocks. Work done by the Brookline Gas Light Co.

Labor . . . . .	\$7 87
Teaming . . . . .	252 00
37,495 large granite blocks . . . . .	2,500 92
	<hr/>
	<u>\$2,760 79</u>

**Tufts street.**

Labor . . . . .	\$240 35
Teaming . . . . .	104 00
	<hr/>
	<u>\$344 35</u>

**Work done by the Bridge Division . . . . .** \$6,586 70

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 7.

**Boston street,** Andrew square to Mt. Vernon street. Macadamized.

Labor . . . . .	\$2,076 61
Teaming . . . . .	523 50
Gravel . . . . .	53 50
Stone . . . . .	6,251 97
1,420 small blocks . . . . .	75 26
500 paving-brick . . . . .	6 50
Crossing-blocks . . . . .	325 00
Rolling . . . . .	475 00
Advertising . . . . .	11 00
	<hr/>
	<u>\$9,798 34</u>

Amount paid out of Street Improvements, Aldermanic District No. 7 . . . \$3,130 77

Amount paid out of Street Improvements, Ward 15 . . . . . 6,667 57

\$9,798 34

**Work done by the Sewer Division . . . . .** \$215 52

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 8.

**Albany street,** at Massachusetts avenue. Repaved; edgestones reset; sidewalks relaid.

Labor . . . . .	\$1,444 72
Teaming . . . . .	749 00
Gravel . . . . .	442 64
348 ft. flagging . . . . .	278 40
12,800 large paving-blocks . . . . .	896 00
	<hr/>
	<u>\$3,810 76</u>

<i>Brought forward,</i>		\$3,810 76
Amount paid out of Street Improve- Aldermanic District No. 8 . . . . .	\$2,057 45	
Amount paid out of Street Improve- ments, Wards 17 and 18 . . . . .	857 31	
Amount paid out of Paving Division . . . . .	896 00	
	<hr/>	<u>\$3,810 76</u>

**Massachusetts avenue**, Albany to Washington street. Work unfinished. Sicilian rock asphalt on a concrete base, edge-stone reset, sidewalks relaid, granolithic sidewalks built in front of hospital buildings.

Labor . . . . .		\$1,341 93
Teaming . . . . .		678 50
Gravel . . . . .		260 02
Stone . . . . .		340 90
Advertising . . . . .		8 40
Sundries . . . . .		189 62
262 ft. flagging . . . . .		209 60
688 ft. straight edgestone . . . . .		447 19
104 ft. circular edgestons . . . . .		135 20
7 large and 2 small corners . . . . .		45 90
1,000 large paving-blocks . . . . .		70 00
900 paving-brick . . . . .		11 70
Amount paid to J. J. Sullivan :		
876 cu. yds. earth excavated, at 75 cts. . . . .	\$657 00	
566 sq. yds. cobble-stones removed, at 12.2 cts. . . . .	70 75	
	<hr/>	727 75

Amount paid to Metropolitan Construction Co. :		
693 cu. yds. cement concrete base, at \$5.00 . . . . .	\$3,465 00	
Extra work as ordered . . . . .	17 80	
	<hr/>	3,482 80

Amount paid to H. Gore & Co. :		
525 sq. yds. Sicilian rock asphalt, at \$2.25 less 15% retained . . . . .	\$1,181 25 177 19	
	<hr/>	1,004 06
1,979 ft. edgestone reset, at 18 cts. . . . .	\$356 22	
98 sq. yds. brick paving laid, at 43 cts. . . . .	42 14	
221 sq. yds. brick paving laid, at 28 cts. . . . .	61 88	
60.5 sq. yds. flagging crossing laid, at 40 cts. . . . .	24 20	
68 sq. yds. block paving laid, at 35 cts. . . . .	23 80	
10 $\frac{1}{8}$ days stone-cutter . . . . .	45 25	
3 $\frac{3}{8}$ days labor cementing joints . . . . .	6 66	
2 $\frac{1}{2}$ barrels American cement . . . . .	3 13	
373 sq ysd. block paving dug and laid . . . . .	130 55	
	<hr/>	693 83

*Carried forward,*

\$9,647 40

<i>Brought forward,</i>	\$9,647 40
Amount paid to Simpson Bros. :	
4,608 sq. ft. artificial stone sidewalk . . . . .	1,152 00
	<hr/>
	\$10,799 40
Amount paid out of Street Improve- ments, Aldermanic District No. 8 . . . . .	\$7,529 93
Amount paid out of Street Improve- ments, Wards 17 and 18 . . . . .	3,269 47
	<hr/>
	\$10,799 40
<b>Work</b> done by the Sewer Division . . . . .	\$581 91
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STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 9.

**Brookline avenue,** Longwood avenue to Bellevue street.  
Widened, graded, macadamized.

Labor . . . . .	\$349 60
Teaming . . . . .	190 00
Filling . . . . .	416 50
Stone . . . . .	766 50
Rolling . . . . .	180 00
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	\$1,902 60
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**Heath street,** Tremont to Day street. Widened, graded,  
macadamized, edgestone set, brick sidewalks laid, sidewalks  
gravelled, crosswalks laid, fences built.

Labor . . . . .	\$2,571 98
Teaming . . . . .	2,250 50
Gravel . . . . .	2,864 50
Sand . . . . .	543 60
Stone . . . . .	5,733 75
Rolling . . . . .	220 00
181 $\frac{1}{2}$ feet circular edgestone . . . . .	217 95
1,155 feet straight edgestone . . . . .	751 13
14 small corners . . . . .	46 90
4,000 paving brick . . . . .	50 00
1,000 large granite blocks . . . . .	70 00
4,327 small granite blocks . . . . .	53 38
161 feet flagging . . . . .	114 31

Amount paid to T. H. & S. D. Payson :	
2,497 feet edgestone set, at 8 cts. . . . .	\$199 76
508 sq. yds. block paving laid, at 25 cts., . . . . .	127 00
1,193 sq. yds. round-stone paving laid, at 25 cts. . . . .	298 25
723 sq. yds. brick paving laid, at 18 cts., . . . . .	130 14
Extra labor, as ordered . . . . .	122 50
	<hr/>

877 65

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\$16,365 65

**Sewall street.** Graded, macadamized, edgestone set, brick sidewalks laid, gutters paved.

Labor . . . . .	\$269 19
Teaming . . . . .	226 50
Gravel . . . . .	300 90
Sand . . . . .	97 20
Stone . . . . .	108 90
Rolling . . . . .	40 00
382 $\frac{3}{4}$ feet edgestone . . . . .	248 73
4 small corners . . . . .	13 40
7,500 paving-brick . . . . .	93 75

Amount paid to Payson & Co.:

668 feet edgestone reset, at 8c. . . . .	\$53 44
209 sq. yds. block paving laid, at 25c. . . . .	52 25
16.3 sq. yds. round paving laid, at 25c. . . . .	4 07
303 sq. yds. brick sidewalks laid, at 18c, . . . . .	54 54

164 30

\$1,562 87

**Work done by the Sewer Division . . . . .** \$4,225 75

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
NO. 11.

**Henshaw street** (work done in 1893).

1,725 gutter-blocks . . . . .	\$48 30
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**Lagrange street,** Washington to Centre street (unfinished work from 1893). Graded, macadamized, sidewalks gravelled, culverts built, fences built.

Labor . . . . .	\$2,378 40
Teaming . . . . .	1,080 50
Gravel . . . . .	1,287 36
Stone . . . . .	491 00
Powder and fuse . . . . .	93 00
Lumber . . . . .	32 38
Fuel . . . . .	2 33

\$5,364 97

**Sycamore street.**

Labor . . . . .	\$46 00
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**Washington street,** Lagrange street to Dedham line, graded, macadamized.

Labor . . . . .	\$251 70
Teaming . . . . .	809 00
Gravel . . . . .	1,663 20

*Carried forward,*

\$2,723 90

<i>Brought forward,</i>	\$2,723 90
Filling . . . . .	1,618 35
Stone . . . . .	2,167 00
Lumber . . . . .	121 04
Advertising . . . . .	7 95
	<hr/>
	\$6,638 24

Amount paid out of Street Improvements, Aldermanic District No. 11 . . . . .	\$3,549 07
Amount paid out of Street Improvements, Wards 23 and 25 . . . . .	3,089 17
	<hr/>
	6,638 24

**Wilson square.** Concrete sidewalks.

Amount paid to Simpson Bros. :	
1162.3 sq. yds. new concrete sidewalks, at \$1 . . . . .	\$1,162 30
26.5 sq. yds. concrete sidewalks resur- faced, at 65c. . . . .	17 22
	<hr/>
	\$1,179 52

**Work done by the Bridge Division . . . . .** \$344 93

**Work done by the Sewer Division . . . . .** \$2,013 20

STREET IMPROVEMENTS, ALDERMANIC DISTRICT  
No. 12.

**Park street.** Macadamizing.

Labor . . . . .	\$465 21
Teaming . . . . .	129 50
Gravel . . . . .	677 10
Stone . . . . .	2,175 63
Rolling . . . . .	170 00
Paving . . . . .	68 55
Advertising . . . . .	7 50
	<hr/>
	\$3,693 49

Amount paid out of Street Improve- ments, Aldermanic District No. 12 . . . . .	\$1,673 54
Amount paid out of Street Improve- ments, Ward 24 . . . . .	1,576 10
Amount paid out of Paving Division . . . . .	443 85
	<hr/>
	\$3,693 49

**Work done by the Sewer Division . . . . .** \$217 15

## STREET IMPROVEMENTS, WARDS 1 AND 2.

## New Edgestones, Sidewalks and Gutters.

Teaming . . . . .	\$409 50
Gravel . . . . .	748 33
Sand . . . . .	90 00
Paid to J. B. O'Rourke & Co. :	
1,397.4 sq. yds. block paving laid, at 25 cts. . . . .	\$349 36
1,186.7 sq. yds. cobble-stone paving laid, at 25 cts. . . . .	296 68
206 days' labor . . . . .	414 57
	<hr/>
	1,060 61
	<hr/>
	\$2,308 44
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<b>Work done by the Sewer Division . . . . .</b>	<b>2,791 92</b>
	<hr/>

## STREET IMPROVEMENTS, WARD 3.

**Sprague street.** Graded, macadamized, edgestone set, brick sidewalks laid, gutters paved.

Labor . . . . .	\$1,069 50
Teaming . . . . .	314 50
Gravel . . . . .	294 12
Stone . . . . .	809 92
Lumber . . . . .	23 84
1 small corner . . . . .	3 75
Advertising . . . . .	16 20
	<hr/>
	\$2,531 83
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<b>Work done by the Sewer Division . . . . .</b>	<b>\$16 75</b>
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## STREET IMPROVEMENTS, WARD 5.

**Charles-river bridge.** Electric signals to notify when the draw is off.

Labor . . . . .	\$266 34
Teaming . . . . .	55 50
Gravel . . . . .	61 85
9,000 paving-brick . . . . .	108 00
Masonry . . . . .	4 00
Electric signals . . . . .	400 00
	<hr/>
	\$895 69
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<b>Work done by the Sewer Division . . . . .</b>	<b>\$308 19</b>
	<hr/>



## STREET IMPROVEMENTS, WARD 6.

**Batterymarch street, at Milk street.** Graded, widened, paved.

Labor . . . . .	\$437 45
Teaming . . . . .	130 00
Gravel . . . . .	74 80
Pebbles . . . . .	33 00
Pitch . . . . .	78 84
21 ft. flagging . . . . .	16 80
2,100 large granite blocks . . . . .	147 00
500 paving-brick . . . . .	6 50
	<hr/>
	\$924 39

**Charter street, Hanover to Unity street.** Asphalted over round stone paving, edgestone reset, sidewalks relaid.

Labor . . . . .	\$658 35
Teaming . . . . .	277 50
8,600 paving-brick . . . . .	107 50
Amount paid to Barber Asphalt Paving Co.:	
631.3 sq. yds. Trinidad asphalt pavement laid, at \$2.25 . . . . .	1,420 43
Amount paid to James Grant & Co.:	
671 sq. yds. round-stone paving laid, at 25 cts. . . . .	\$167 75
688.5 ft. edgestone set, at 8 cts. . . . .	55 08
8.6 sq. yds. brick paving laid, herring- bone, at 18 cts. . . . .	59 22
40 sq. yds. crosswalks laid at 25 cts. . . . .	10 00
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	295 15
	<hr/>
	\$2,758 93
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<b>Work done by the Sewer Division . . . . .</b>	<b>\$681 20</b>
	<hr/>

## STREET IMPROVEMENTS, WARD 7.

**Bowker street, Chardon to Sudbury street.** Paved with large granite blocks on a gravel base, with pitch joints, edgestone reset, brick sidewalks relaid, crosswalks laid.

Labor . . . . .	\$819 18
Teaming . . . . .	774 50
Gravel . . . . .	186 60
201 ft. edgestone . . . . .	130 65
4 small corners . . . . .	15 00
122 ft. flagging . . . . .	97 60
10,000 paving-brick . . . . .	125 00
31,432 large granite blocks . . . . .	2,096 51
Advertising . . . . .	18 38
Sundries . . . . .	21 50
	<hr/>
<i>Carried forward,</i>	\$4,284 92

<i>Brought forward,</i>		\$4,284 92
Amount paid to James Grant & Co. :		
1,477.4 sq. yds. block paving, pitch joints, at 90 cts. . . . .	\$1,329 66	
686 ft. edgestone set, at 8 cts. . . . .	54 88	
419 sq. yds. brick paving laid, at 18 cts. . . . .	75 42	
	<hr/>	1,459 96
		<hr/>
		\$5,744 88
Less amount paid by West End Street Railway Company . . . . .	\$325 50	
Less amount paid by Bowker, Torrey, & Co. . . . .	200 00	
Less amount paid by James W. Tufts . . . . .	35 00	
	<hr/>	560 50
		<hr/>
		\$5,184 38
Amount paid out of Street Improvements, Ward 7 . . . . .	\$4,730 82	
Amount paid out of Street Improvements, Wards 7 and 8 . . . . .	453 56	
	<hr/>	\$5,184 38
<b>Causeway street, Haverhill to Nashua street.</b> Paved with large granite blocks on a concrete base, with pitch joints, edgestone reset, granolithic sidewalks built, brick sidewalks relaid, crosswalks laid.		
Labor . . . . .		\$2,948 24
Teaming . . . . .		2,522 50
Gravel . . . . .		543 97
Sand . . . . .		90 00
Templets . . . . .		18 22
Advertising . . . . .		9 90
Pebbles . . . . .		85 80
Sundries . . . . .		33 00
87,100 large granite blocks . . . . .		5,809 58
1,968.3 ft. of flagging . . . . .		1,701 12
228 ft. of edgestone . . . . .		148 20
2 small corners . . . . .		6 70
9,832 paving-brick . . . . .		120 48
Amount paid to Metropolitan Construction Co. :		
686 cu. yds. cement concrete base, at \$5.00 . . . . .		3,430 00
Amount paid to Warner H. Jenkins & Co. :		
2,414.4 sq. ft. artificial stone sidewalk, at 16 cts. . . . .		342 62
Amount paid to James Grant & Co. :		
4,512 sq. yds. block paving, pitch joints, at 90 cts. . . . .	\$4,060 80	
810 ft. edgestone set, at 8 cts. . . . .	64 80	
343 sq. yds. brick-paving laid, at 18 cts., . . . . .	61 74	
731 sq. yds. block paving laid, at 35 cts., . . . . .	255 85	
	<hr/>	4,443 19
		<hr/>
<i>Carried forward,</i>		\$22,253 52

<i>Brought forward,</i>		\$22,253 52
Less amount paid by the West End Street Railway Co. . . . .	\$2,390 73	
Less amount paid by the Boston & Maine Railroad Co. . . . .	292 81	
Less amount paid by the Brookline Gas Light Co. . . . .	109 17	
	<hr/>	2,792 71
		<hr/>
		\$19,460 81
Amount paid out of Street Improvements, Ward 7 . . . . .	\$13,339 87	
Amount paid out of Street Improvements, Wards 7 and 8 . . . . .	6,120 94	
	<hr/>	\$19,460 81
		<hr/>

**North Margin street. Graded.**

Labor . . . . .		\$71 30
Teaming . . . . .		30 00
		<hr/>
		\$101 30
		<hr/>

**Salt lane, Union street to Creek square. Paved with granite blocks taken from Causeway street, on a gravel base, with pitch joints, brick sidewalks laid, edgestone reset.**

Labor . . . . .		\$232 10
Teaming . . . . .		105 00
Pitch . . . . .		48 87
Pebbles . . . . .		13 20
1,500 paving brick . . . . .		19 50
Sundries . . . . .		2 00
		<hr/>
		\$420 67
		<hr/>

**Work done by the Sewer Division . . . . .** \$75 88

STREET IMPROVEMENTS, WARD 8.

**Barton court, Barton to Brighton street. Asphalted over cobblestones, edgestone reset, brick sidewalks laid.**

Labor . . . . .		\$165 60
Teaming . . . . .		99 00
3,000 paving-brick . . . . .		37 50
Advertising . . . . .		5 00
Amount paid to Barber Asphalt Paving Co. : 180.6 cu. yds. Trinidad asphalt laid, at \$2.25 . . . . .		406 35
		<hr/>
		\$713 45

Amount paid out of Street Improvements, Ward 8 . . . . .	\$693 13	
Amount paid out of Street Improvements, Wards 7 and 8 . . . . .	20 32	
	<hr/>	\$713 45
		<hr/>

**Cambridge street, Joy street to Bowdoin square.** Paved with large granite blocks on a concrete base with pitch joints, edgestone reset, brick sidewalks relaid, crosswalks laid.

Labor . . . . .	\$1,277 36
Teaming . . . . .	644 50
Advertising . . . . .	31 40
Gravel . . . . .	318 60
Sand . . . . .	99 00
Pebbles . . . . .	44 55
Templets . . . . .	9 10
57,516 large granite blocks . . . . .	3,836 32
23,000 paving-brick . . . . .	280 00
40 feet edgestone . . . . .	28 80
1 large corner . . . . .	5 60
704 feet flagging . . . . .	698 72

Amount paid to Metropolitan Construction Co. :  
 431 cu. yds. cement concrete base, at \$5. . . . . 2,155 00

Amount paid to S. & R. J. Lombard :  
 427 cu. yds. earth excavation, at 15 cts., \$64 05  
 1,928 sq. yds. pavement removed. 289 20  


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 353 25

Amount paid to H. Gore & Co. :  
 1,991 sq. yds. block paving pitch joints,  
 at 90 cts. . . . . \$1,791 90  
 1,222 feet edgestone reset, at 8 cts. . . . . 97 76  
 756 sq. yds. brick paving relaid, at 18 cts., 136 08  
 752 sq. yds. block paving,  
 pitch joints, at 1.087 . . . . . \$817 42  
 14 sq. yds. block paving,  
 gravel joints, at .217. . . . . 3 04  
 53 feet edgestone reset, at  
 .652 . . . . . 34 56  
 51 $\frac{4}{9}$  days stone-cutter, at  
 .3913 . . . . . 201 30  
 2 $\frac{2}{9}$  days rammer, at \$2.17 . . . . . 4 82  
 2 $\frac{2}{9}$  days laborer, at \$1.74 . . . . . 3 86

\$1,065 00  
 Add 15% . . . . . 159 75  


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 1,224 75  


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 3,250 49  


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 \$13,032 69

Amount paid by the Brookline Gas Light  
 Co. . . . . \$2,272 07  
 Amount paid by the West End Street  
 Railway Company . . . . . 2,105 60  


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 4,377 67  


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 \$8,655 02

Amount paid out of Street Improvements, Ward 8 . . . . .	\$3,077 21	
Amount paid out of Street Improvements, Wards 7 and 8 . . . . .	5,577 81	<u>\$8,655 02</u>

**Chambers street, Green to Poplar street.** Asphalted over cobblestones.

Labor . . . . .	\$271 34	
Teaming . . . . .	188 00	
Sand . . . . .	34 20	
Templets . . . . .	7 12	
Amount paid to Barber Asphalt Paving Co. : 1,098.7 sq. yds. Trinidad asphalt laid, at \$2.25 . . . . .	\$2,472 07	
12.1 sq. yds. asphalt repairs, at \$2.50 . . . . .	30 25	<u>2,502 32</u>
		<u>\$3,002 98</u>

Amount paid out of Street Improvements, Ward 8 . . . . .	\$2,879 38	
Amount paid out of Street Improvements, Wards 7 and 8 . . . . .	123 60	<u>\$3,002 98</u>

<b>Work done by the Sewer Division . . . . .</b>	<u>\$867 73</u>
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STREET IMPROVEMENTS, WARDS 7 AND 8.

<b>Work done by the Sewer Division . . . . .</b>	<u>\$151 85</u>
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STREET IMPROVEMENTS, WARD 10.

<b>Work done by the Sewer Division . . . . .</b>	<u>\$785 60</u>
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STREET IMPROVEMENTS, WARDS 9 AND 10.

**Derne street, Hancock to Temple street.** Paved with asphalt blocks, edgestone reset, brick sidewalks relaid.

Labor . . . . .	\$250 73	
Teaming . . . . .	134 00	
Amount paid to John Turner & Co. : 135 sq. yds. asphalt blocks on a concrete base, at \$1.40 . . . . .	\$189 00	
224 ft. edgestone set, at 25 cts. . . . .	56 00	
131 sq. yds. brick paving, at 45 cts. . . . .	58 95	
3½ days' pavers, rammers, and tenders, at \$8 . . . . .	\$28 07	
½ days' stone-cutter, at \$4 . . . . .	2 00	
<i>Carried forward,</i>	<u>\$30 00</u>	<u>\$303 95</u>
		<u>\$384 73</u>

<i>Brought forward,</i>	\$30 00	\$303 95	\$384 73
1 double load of gravel . . . . .	2 00		
19.2 ft. edgestone and circles, at \$1.13 . . . . .	21 70		
179.6 ft. straight edgestone, at .626 . . . . .	112 43		
2 small corners, at \$3.13 . . . . .	6 26		
3,968 paving-brick, at \$8.696, 459 sq. yds. asphalt blocks on cracked stone and gravel bed, at \$1.087 . . . . .	498 93		
	<u>\$705 83</u>		
Add 15% . . . . .	105 87		
	<u>811 70</u>		
		<u>\$1,115 65</u>	
		<u>\$1,500 38</u>	

**Charles street, Cambridge to Pinckney street (westerly side).**

Paved with large granite blocks on a concrete base, with pitch joints, edgestones reset, sidewalks relaid.

Labor . . . . .	\$1,487 79
Teaming . . . . .	557 00
Gravel . . . . .	224 20
Sand . . . . .	96 30
Templets . . . . .	9 74
Advertising . . . . .	26 85
36,773 large granite blocks . . . . .	2,452 76
8,000 paving brick . . . . .	100 00
254 ft. flagging . . . . .	223 52

Amount paid to Metropolitan Construction Co.:

327.2 cu. yds. cement concrete base, at \$5 . . . . .	1,636 00
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Amount paid to F. H. Cowin:

1,000 ft. edgestone set, at 18 cts. . . . .	\$180 00
1,512 sq. yds. block paving pitched joints, at 90 cts. . . . .	1,360 80
391 sq. yds. block paving, gravel joints, at 25 cts. . . . .	97 75
757 sq. yds. brick paving, at 28 cts. . . . .	211 96
13 $\frac{5}{8}$ days' stone cutter, at \$4.50 . . . . .	61 00
	<u>1,911 51</u>
	<u>\$8,725 67</u>

Less amount paid by West End Street  
Railway Co. . . . . \$1,596 66

Less amount paid by Brookline Gas Light  
Co. . . . . 1,118 76

2,715 42

\$6,010 25

Amount paid out of Street Improvements, Wards 9 and 10 . . . . .	\$5,946 14	
Amount paid out of Paving Division . . . . .	64 11	
	<hr/>	\$6,010 25

<b>Work done by the Sewer Division . . . . .</b>		<u>\$525 64</u>
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STREET IMPROVEMENTS, WARD 12.

<b>Work done by the Sewer Division . . . . .</b>		<u>\$124 26</u>
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STREET IMPROVEMENTS, WARD 14.

**East Eighth street, G to H street.** Paved with large granite blocks, edgestone set, brick sidewalks laid.

Labor . . . . .		\$2,729 81
Teaming . . . . .		797 50
Gravel . . . . .		668 47
Lumber . . . . .		15 41
Wharfage . . . . .		157 26
66,629 large granite blocks . . . . .		4,444 15
43,700 paving-brick . . . . .		546 25
117 recut crossing-blocks . . . . .		58 50
Amount paid to H. Gore & Co. :		
3,242 sq. yds. block paving laid, at 25 cts. . . . .	\$810 50	
2,202 ft. edgestone reset, at 8 cts. . . . .	176 16	
1,467 sq. yds. brick paving laid, at 18 cts. . . . .	264 06	
	<hr/>	1,250 72
		<u>\$10,668 07</u>

New edgestones, sidewalks, and gutters :

Labor . . . . .		\$171 35
Teaming . . . . .		78 00
		<hr/>
		<u>\$249 35</u>

**Story street.**

Labor . . . . .		\$50 60
Teaming . . . . .		18 00
		<hr/>
		<u>\$68 60</u>

<b>Work done by the Bridge Division . . . . .</b>		<u>\$291 58</u>
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<b>Work done by the Sewer Division . . . . .</b>		<u>\$25 85</u>
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## STREET IMPROVEMENTS, WARD 15.

New edgestones, sidewalks, and gutters :	
Labor . . . . .	\$178 15
Teaming . . . . .	76 00
	<hr/>
	\$254 15
<b>Vale street. Filling.</b>	
Filling . . . . .	\$711 15
Amount paid out of Street Improvements, Ward 15 . . . . .	\$426 80
Amount paid out of Paving Division . . . . .	284 35
	<hr/>
	\$711 15
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<b>Work done by the Sewer Division . . . . .</b>	<b>\$18 68</b>
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## STREET IMPROVEMENTS, WARDS 17 AND 18.

**Dartmouth street, Tremont street to Warren avenue.** Paved with granite blocks taken from Dover and Albany streets, edgestone reset, brick sidewalks relaid, crosswalks laid.

Labor . . . . .	\$1,993 37
Teaming . . . . .	1,080 00
Gravel . . . . .	192 90
Masonry . . . . .	125 50
Stone . . . . .	84 15
193 ft. flagging . . . . .	137 03
6,950 paving-brick . . . . .	90 35
3,000 large granite blocks . . . . .	210 00
1,488 sq. yds. granite blocks taken from Albany and Dover streets . . . . .	2,232 00
	<hr/>
	\$6,145 30
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**Ivanhoe street, Dedham to Canton street.** Cobblestone removed and roadway resurfaced with crack stone, edgestone reset, brick sidewalk laid, gutters paved.

Labor . . . . .	\$200 56
Teaming . . . . .	188 50
Gravel . . . . .	21 52
Stone . . . . .	133 00
360 small blocks . . . . .	19 08
427 ft. flagging . . . . .	38 43
1,800 paving-brick . . . . .	23 40
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	\$624 49
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**Wilkes street.** Graded.

Labor . . . . .	\$49 60
Teaming . . . . .	12 00
Masonry . . . . .	70 00
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	\$131 60

**Work done by the Sewer Division . . . . .** \$1,313 77

## STREET IMPROVEMENTS, WARDS 19 AND 22.

**Edge Hill street,** Gay Head to Round Hill street. Resurfaced.

Labor and material . . . . .	\$710 80
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**Evergreen street.** Resurfaced, sidewalks gravelled.

Labor . . . . .	\$65 22
Teaming . . . . .	72 00
Gravel . . . . .	278 80
Stone . . . . .	313 50
Paving . . . . .	24 70
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	\$754 22

**Mountfort street,** Beacon to Arundel street, graded, gravelled, edgestone set, brick sidewalks laid, gutters paved, crosswalks laid.

Labor . . . . .	\$701 80
Teaming . . . . .	199 00
Gravel . . . . .	2,430 80
Lumber . . . . .	32 83
168 $\frac{5}{12}$ ft. edgestone . . . . .	109 47
2 large and 5 small corners . . . . .	27 95
88 ft. flagging . . . . .	70 40
Amount paid to James Grant & Co.:	
870 ft. edgestone set, at 8 cts. . . . .	\$69 60
309 sq. yds. brick paving laid, at 25 cts., . . . . .	77 25
	<hr/>
	146 85

\$3,719 10

## New edgestones, sidewalks and gutters:

Labor . . . . .	\$18 40
Gravel . . . . .	693 60
Sand . . . . .	246 60
	<hr/>
	\$958 60

**Work done by the Bridge Division . . . . .** \$2,541 74

**Work done by the Sewer Division . . . . .** \$1,202 03

## STREET IMPROVEMENTS, WARD 20.

New edgestones, sidewalks and gutters :

Labor . . . . .	\$119 99
Gravel . . . . .	331 50
Sand . . . . .	187 20
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	\$638 69

**Norfolk avenue.** Graded.

Labor and material . . . . .	\$187 70
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<b>Work</b> done by the Sewer Division . . . . .	\$376 22
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## STREET IMPROVEMENTS, WARD 21.

**Catawba street.** Edgestones set, gutters paved, brick sidewalks laid.

Labor . . . . .	\$466 90
Teaming . . . . .	232 50
Sand . . . . .	52 20
Gravel . . . . .	45 90

Amount paid to A. A. Libby &amp; Co. :

642 feet edgestone set, at 8 cts. . . . .	\$51 36
220 sq. yds. round-stone paving, at 25 cts. . . . .	55 00
523 sq. yds. brick sidewalks laid, at 18 cts. . . . .	94 14
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	200 50
	<hr/>
	\$998 00

**Centre street,** Eliot square to Pynchon street. Resurfaced.

Labor . . . . .	\$381 90
Teaming . . . . .	272 50
Gravel . . . . .	185 30
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	\$839 70

**Holland street.** Graded.

Filling . . . . .	\$434 25
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New edgestone, sidewalks, and gutters :

Labor . . . . .	\$497 09
Teaming . . . . .	685 50
Gravel . . . . .	1,207 00
Sand . . . . .	946 80
Paving . . . . .	593 14
	<hr/>
	\$3,929 53

**Thwing street.** Edgestone set, brick sidewalks laid, gutters paved.

Labor . . . . .	\$112 70
Teaming . . . . .	304 00
Gravel . . . . .	387 60
566.3 feet edgestone . . . . .	368 10
Paving . . . . .	125 43
	<hr/>
	\$1,297 83

Amount paid out of Street Improvements, Ward 21 . . . . . \$542 13  
 Amount paid out of Paving Division . . . . . 755 70

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\$1,297 83

STREET IMPROVEMENTS, WARDS 23 AND 25.

**Brookfield street,** Ward 23. Graded, macadamized.

Labor . . . . .	\$468 05
Teaming . . . . .	237 00
Stone . . . . .	207 50
Gravel . . . . .	157 68
Lumber . . . . .	12 40
Advertising . . . . .	24 25

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\$1,106 88

**Cambridge street,** Ward 25. Concrete sidewalks.

Amount paid to Simpson Bros. :  
 745 sq. yds. concrete walks laid . . . . . \$745 00

**Catharine street,** Ward 23. (Work unfinished.)

Labor . . . . . \$773 50

**Concrete sidewalks,** Ward 23.

Amount paid to Simpson Bros. :  
 444.1 sq. yds. new concrete walks . . . \$444 10  
 111.9 sq. yds. resurfaced concrete walks, . . . . . 72 73

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\$516 83

**Elko street,** Cambridge to Sparkawk street. Graded, macadamized, sidewalks gravelled.

Labor . . . . .	\$276 60
Teaming . . . . .	83 50
Gravel . . . . .	505 40
Advertising . . . . .	9 80

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\$875 30

**Farrington avenue,** Ward 25. Concrete sidewalks.

Labor . . . . . \$21 00  
 83.9 sq. yds. concrete sidewalks laid . . . . . 83 90

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\$104 90

**Highgate street,** Farrington avenue to Cambridge street.  
Graded, macadamized, edgestone set, gutters paved, concrete sidewalks laid.

Labor . . . . .	\$903 51
Teaming . . . . .	350 00
Gravel . . . . .	651 35
Loam . . . . .	278 53
Stone . . . . .	54 00
Sand . . . . .	5 85
4.968 large granite blocks . . . . .	367 63
4 small corners . . . . .	13 40

Amount paid to Simpson Bros. :

453.4 sq. yds. new concrete sidewalks laid . . . . .	453 40
	<hr/>
	\$3,077 67

Amount paid out of Street Improvements, Wards 23 and 25 . . . . .	\$2,721 46
Amount paid out of Street Improvements, Ward 25 . . . . .	356 21
	<hr/>
	\$3,077 67

**Landseer street,** Ward 23. Graded, macadamized.

Labor . . . . .	\$604 90
Teaming . . . . .	298 00
Gravel . . . . .	154 44
Stone . . . . .	274 20
Lumber . . . . .	56 29
	<hr/>
	\$1,387 83

**Linden street,** Ward 25. Graded, crosswalks laid.

Labor . . . . .	\$499 73
Teaming . . . . .	129 50
Gravel . . . . .	189 35
190 ft. of flagging . . . . .	134 90
	<hr/>
	\$953 48

**New edgestone, sidewalks, and gutters :**

Labor . . . . .	\$32 90
Teaming . . . . .	181 50
Gravel . . . . .	335 39
Sand . . . . .	154 80
Paving . . . . .	348 36

Paid to W. A. Murtfeldt :

5,253 feet artificial stone sidewalk . . . . .	315 18
	<hr/>
	\$1,368 13

**Ophir street**, Washington street to Brookline avenue (work unfinished). Graded, widened, macadamized, sidewalks gravelled.

Labor . . . . .	\$112 00
Teaming . . . . .	103 00
Filling . . . . .	381 00
Stone . . . . .	381 50
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	\$978 00

**Pond street**, Ward 23. Concrete gutters.

Amount paid to Simpson Bros. :

1,448.7 sq. yds. concrete gutters . . . . .	\$2,173 05
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**Roberts street**, Ward 23. Graded.

Labor . . . . .	\$47 50
Teaming . . . . .	51 00
Gravel . . . . .	73 44
Stone . . . . .	29 50
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	\$201 44

**Washington street**, Ward 25, Oak square to the Newton line.

Graded, gravelled, concrete gutters laid.

Labor . . . . .	\$697 65
Teaming . . . . .	525 50
Gravel . . . . .	1,581 30

Amount paid to Simpson Bros. :

1,355 sq. yds. concrete gutters laid, at \$1.50 . . . . .	\$2,032 50
Labor, excavating, grading, etc. . . . .	373 62
	<hr/>
	2,406 12
	<hr/>
	\$5,210 57

**Work done by the Bridge Division** . . . . . \$759 24

**Work done by the Sewer Division** . . . . . \$1,514 77

#### STREET IMPROVEMENTS, WARD 24.

**Brent street.**

Labor . . . . .	\$10 00
Teaming . . . . .	10 50
Tile . . . . .	16 57
500 paving-brick . . . . .	6 00
	<hr/>
	\$43 07

**Clarkson street.** Edgestone set, brick sidewalks laid, gutters paved.

Labor . . . . .	\$23 00
Teaming . . . . .	92 50
Gravel . . . . .	42 90
Sand . . . . .	37 80
Paving . . . . .	105 96
	<hr/>
	\$302 16

**Crescent avenue,** Dorchester avenue to railroad. Macadamized, edgestone set and reset, sidewalks laid and relaid, gutters paved.

Labor . . . . .	\$166 62
Teaming . . . . .	285 00
Gravel . . . . .	509 85
Filling . . . . .	341 00
Stone . . . . .	1,076 75
528 feet straight edgestone . . . . .	343 20
22 $\frac{4}{12}$ feet circular edgestone . . . . .	29 03
2 small corners . . . . .	6 70
	<hr/>
	\$2,758 15

**Duncan street.** Filling.

Labor . . . . .	\$38 25
Teaming . . . . .	36 00
Gravel . . . . .	333 60
Filling . . . . .	232 50
	<hr/>
	\$640 35

Amount paid out of Street Improvements, Ward 24 . . . . . \$232 50  
 Amount paid out of Paving Division . . . . . 407 85

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\$640 35

**Glenway street.** Graded, macadamized.

Labor . . . . .	\$809 00
Teaming . . . . .	437 00
Stone . . . . .	2,977 00
Gravel . . . . .	153 45
	<hr/>
	\$4,376 45

Amount paid out of Street Improvements, Ward 24 . . . . . \$4,107 50  
 Amount paid out of Paving Division . . . . . 268 95

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\$4,376 45

**Greenheys street.** (Work unfinished).

Labor . . . . .	\$74 65
Teaming . . . . .	15 00

*Carried forward,*

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\$89 65

<i>Brought forward,</i>		\$89 65
Stone . . . . .		48 00
Gravel . . . . .		67 65
		<hr/>
		\$205 30
Amount paid out of Street Improve- ments, Ward 24 . . . . .	\$18 40	
Amount paid out of Paving Division . . . . .	186 90	
	<hr/>	\$205 30
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**King street, Adams street to Dorchester avenue. Macadamized, concrete sidewalks laid, crosswalks laid.**

Labor . . . . .		\$509 55
Teaming . . . . .		15 00
Gravel . . . . .		532 95
Stone . . . . .		2,688 75
Rolling . . . . .		210 00
214 ft. flagging . . . . .		151 92
Amount paid to Simpson Bros. :		
436.3 sq. yds. concrete sidewalks (new), at \$1.00 . . . . .	\$436 30	
128.5 sq. yds. concrete sidewalks (resur- faced), at 65 cts. . . . .	83 52	
	<hr/>	519 82
		<hr/>
		\$4,627 99

Amount paid out of Street Improve- ments, Ward 24 . . . . .	\$545 55	
Amount paid out of Paving Division . . . . .	4,082 44	
	<hr/>	\$4,627 99
		<hr/>

**Lawrence avenue. Granolithic sidewalks laid.**

Labor . . . . .		\$694 60
Teaming . . . . .		9 00
Stone . . . . .		558 00
Gravel . . . . .		94 05
		<hr/>
		\$1,355 65
		<hr/>

**Lyndhurst street, (work uncompleted). Macadamized, artificial stone gutters and sidewalks laid.**

Labor . . . . .		\$332 35
Teaming . . . . .		51 00
Gravel . . . . .		90 75
Stone . . . . .		1,069 25
Tile drain . . . . .		108 38
Amount paid to W. H. Jenkins Co. 19,644.3 sq. ft. digging and filling, at 6 cts. . . . .	\$1,178 65	
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*Carried forward,* \$1,178 65      \$1,651 73

<i>Brought forward,</i>	\$1,178 65	\$1,651 73
7,407 sq. ft. artificial stone gutters, at 20 cts. . . . .	1,481 40	<u>2,660 05</u>
		\$4,311 78

Amount paid out of Street Improve- ments, Ward 24 . . . . .	285 48	
Amount paid out of Paving Division . . . . .	4,026 30	
	<u>4,311 78</u>	<u>\$4,311 78</u>

**Mayfield street.** Granolithic sidewalks laid.

Labor . . . . .		\$46 00
Teaming . . . . .		37 50
Gravel . . . . .		363 00
Sand . . . . .		25 20
		<u>\$471 70</u>

**New edgestone, sidewalks and gutters:**

Labor . . . . .		\$639 25
Teaming . . . . .		10 00
Sand . . . . .		39 60
Gravel . . . . .		92 40
		<u>\$781 25</u>

**Sagamore street.** Granolithic sidewalks laid.

Labor . . . . .		\$25 30
Teaming . . . . .		16 50
Gravel . . . . .		108 90
		<u>\$150 70</u>

**Spencer street.** Filling.

Teaming . . . . .		\$97 50
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**Virginia street.** Brick sidewalks laid.

Labor . . . . .		\$40 25
Teaming . . . . .		18 00
Sand . . . . .		25 20
		<u>\$83 45</u>

**Willis street.** Graded, macadamized.

Labor . . . . .		\$411 15
Teaming . . . . .		209 50
Stone . . . . .		1,601 25
Rolling . . . . .		170 00
		<u>\$2,391 90</u>



Work done by the Bridge Division . . . . .	\$792 82
Work done by the Sewer Division . . . . .	<u>\$7,908 87</u>

STREET IMPROVEMENTS, WARD 25.

**Brighton avenue.** Concrete sidewalks laid.

$\frac{1}{2}$ cost of concrete sidewalk . . . . .	\$61 80
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**Talbot avenue,** Washington street to Dorchester avenue. (Work uncompleted.)

Labor . . . . .	\$2,479 71
Teaming . . . . .	1,329 50
Stone . . . . .	884 75
Gravel . . . . .	1,495 05
Lumber . . . . .	16 16
Tools, etc. . . . .	235 26
Advertising . . . . .	94 80
468.3 ft. circular edgestone . . . . .	608 77
2,264 $\frac{3}{4}$ ft. straight edgestone . . . . .	1,471 77
1,000 paving-brick . . . . .	11 50
1,829 sq. yds. old blocks taken from Foundry and Division streets . . . . .	731 60
34,221 small granite blocks . . . . .	1,197 74

Amount paid to Citizens' Relief Company:

6,270 cu. yds. excavation, at 80 cts. . . . .	\$5,016 00
Tools, etc. . . . .	120 00

\$5,136 00

Less 111 $\frac{1}{2}$ days' labor, Paving Division men, at \$2.25 . . . . .	\$250 87
Less 4 days, single team, at \$3.00 . . . . .	12 00
Tools and lumber . . . . .	251 42

514 29

4,621 71

Amount paid to William McEleney:

1,615.9 ft. edgestone set, at 8 cts. . . . .	\$129 27
250.4 ft. edgestone reset, at 8 cts. . . . .	20 03
687 sq. yds. block paving laid, at 25 cts. . . . .	171 75

321 05

Work done by the Sewer Division . . . . .	3,002 04
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\$18,501 41

**Thetford street.** Graded, macadamized.

Labor . . . . .	\$1,422 55
Teaming . . . . .	238 00
Gravel . . . . .	843 15
Stone . . . . .	3,102 84

Carried forward, \$5,606 54

<i>Brought forward,</i>		\$5,606 54
Rolling . . . . .		220 00
Advertising . . . . .		31 50
Work done by the Sewer Division . . . . .		9 09
		<hr/>
		\$5,867 13
Amount of special appropriation . . . . .	\$3,000 00	
Amount paid out of Street Improvements, Ward 24 . . . . .	2,867 13	
		<hr/>
		\$5,867 13

**Utica street,** Harvard to Kneeland street. Paved with granite blocks, taken from Swan, Albany, and Dover streets, edgestone reset, brick sidewalks relaid, crosswalks laid.

Labor . . . . .		\$1,327 05
Teaming . . . . .		760 50
Gravel . . . . .		208 86
Masonry . . . . .		80 00
138 ft. edgestone . . . . .		89 70
1 large and 1 small corner . . . . .		8 95
145 ft. flagging . . . . .		102 95
1,554.3 sq. yds. blocks, taken from Swan, Albany, and Dover streets . . . . .		2,331 45
		<hr/>
		\$4,909 46
Amount of special appropriation . . . . .		\$4,909 46

**Utica street,** Kneeland to Beach street. Repaved, edgestone reset, brick sidewalks relaid, crosswalks laid.

Labor . . . . .		\$388 96
Teaming . . . . .		163 50
Gravel . . . . .		60 86
Masonry . . . . .		98 00
4,300 paving-brick . . . . .		55 90
38.1 feet flagging . . . . .		27 06
		<hr/>
		\$794 28
Amount of special appropriation . . . . .		\$794 28

**Van Renssalaer place.** Paved.

Amount paid to Payson & Co. :		
Paving laid as per agreement . . . . .		\$450 00

**Washington street,** Brighton, Oak square to Winship street. Widened. (Work uncompleted.)

Labor . . . . .		\$412 40
Teaming . . . . .		956 00
Gravel . . . . .		543 55
Filling . . . . .		1,314 72

*Carried forward,* \$3,226 67

<i>Brought forward,</i>		\$3,226 67
Drain tile . . . . .		11 90
Lumber . . . . .		88 89
Amount paid to Michael Kiernan:		
Cutting away bank and building stone wall.		
8 days foreman, at \$3.00 . . . . .	\$24 00	
24 days labor, at \$2.00 . . . . .	48 00	
19 days mason, at \$3.20 . . . . .	60 80	
18 days double team, at \$5.00 . . . . .	90 00	
		<hr/> 222 80
Work done by the Sewer Division . . . . .		3,298 62
		<hr/> <hr/> \$6,848 88
<b>Whiting street. Excavated.</b>		
Teaming and labor . . . . .		\$121 00
Amount paid to John J. Nawn:		
882 cu. yds. rock excavation, at \$2.00, . . . . .	\$1,764 00	
250 cu. yds. earth excavation, at \$1.00, . . . . .	250 00	
		<hr/> 2,014 00
		<hr/> \$2,135 00
Amount of special appropriation . . . . .		\$2,135 00
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SUMMARY OF EXPENDITURES UNDER SPECIAL APPROPRIATIONS.

	TOTAL AMOUNT EXPENDED.	
Baker street . . . . .		\$1,651 90
Bellflower street . . . . .		3,000 00
Blakeville street . . . . .		2,342 01
Blue Hill avenue . . . . .		38,181 97
Bumstead lane . . . . .		15,551 50
Bunker Hill street . . . . .		372 15
Bushnell street . . . . .		3,363 33
Charter street . . . . .		9 20
Commonwealth avenue . . . . .	304,260 99	
Congress and L streets . . . . .		558 00
Cranston street . . . . .		568 75
Dartmouth street . . . . .		5,839 65
Day street . . . . .		12,846 02
Fay street . . . . .		1,408 82
Lewis street . . . . .		2,319 29
Mill street . . . . .		2,567 00
Millet street . . . . .		595 88
Montview street . . . . .		4,213 28
Mount Vernon street . . . . .		1,325 00
Newport street . . . . .		1,904 12
Oak street . . . . .		3,313 38
		<hr/> <hr/>
<i>Carried forward,</i>		\$406,192 24

<i>Brought forward,</i>	\$406,192 24
Park street . . . . .	1,138 23
Preston street . . . . .	5,390 12
Ruth street . . . . .	5,586 71
Second street . . . . .	7,065 69
Street Improvements, Aldermanic District No. 1 :	
Bennington street . . . . .	4,166 18
Chelsea street . . . . .	9,050 44
Moore street . . . . .	904 18
New edgestone, sidewalks, and gutters . . . . .	549 70
Sewers . . . . .	2,370 86
Street Improvements, Aldermanic District No. 2 :	
Alford street . . . . .	1,440 13
Austin street . . . . .	5,064 10
Chapman street . . . . .	4,557 55
Charles street . . . . .	1,342 64
Main street crossing . . . . .	29 90
Medford street . . . . .	585 00
Phipps street . . . . .	1,227 84
Rutherford avenue . . . . .	6,403 09
Thompson street . . . . .	267 18
Sewers . . . . .	1,173 50
Street Improvements, Aldermanic District No. 3 :	
Chambers street, Ashland to Brighton street . . . . .	6,521 35
Sewers . . . . .	77 18
Street Improvements, Aldermanic District No. 4 :	
Court square . . . . .	2,992 20
Harrison avenue, Essex to Beach street . . . . .	6,496 80
Mason street . . . . .	1,535 04
Pemberton square . . . . .	8,934 42
Washington street, Eliot to Kneeland street . . . . .	10,841 80
Sewers . . . . .	479 41
Street Improvements, Aldermanic District No. 5 :	
Harcourt street . . . . .	2,159 38
Sewers . . . . .	92 34
Street Improvements, Aldermanic District No. 6 :	
Ash street . . . . .	239 23
Essex street, Chauncy to South street . . . . .	12,136 71
Essex and Lincoln streets . . . . .	1,455 00
Foundry street . . . . .	2,760 79
Tufts street . . . . .	344 35
Bridges . . . . .	6,586 70
Street Improvements, Aldermanic District No. 7 :	
Boston street . . . . .	9,798 34
Sewers . . . . .	215 52
Street Improvements, Aldermanic District No. 8 :	
Albany street . . . . .	3,810 76
Massachusetts avenue . . . . .	10,799 40
Sewers . . . . .	581 91
<i>Carried forward,</i>	\$553,363 91

<i>Brought forward,</i>	\$553,363 91
Street Improvements, Aldermanic District No. 9 :	
Brookline avenue . . . . .	1,902 60
Heath street . . . . .	16,365 65
Sewall street . . . . .	1,562 87
Sewers . . . . .	4,225 75
Street Improvements, Aldermanic District No. 11 :	
Henshaw street . . . . .	48 30
Lagrange street . . . . .	5,364 97
Sycamore street . . . . .	46 00
Washington street (Roslindale) . . . . .	6,638 24
Wilson square . . . . .	1,179 52
Bridges . . . . .	344 93
Sewers . . . . .	2,013 20
Street Improvements, Aldermanic District No. 12 :	
Park street . . . . .	3,693 49
Sewers . . . . .	217 15
Street Improvements, Wards 1 and 2 :	
New edgestone, sidewalks, and gutters . . . . .	2,308 44
Sewers . . . . .	2,791 92
Street Improvements, Ward 3 :	
Sprague street . . . . .	2,531 83
Sewers . . . . .	16 75
Street Improvements, Ward 5 :	
Charles-river and Warren bridges . . . . .	895 69
Sewers . . . . .	308 19
Street Improvements, Ward 6 :	
Batterymarch street . . . . .	924 39
Charter street . . . . .	2,758 93
Sewers . . . . .	681 20
Street Improvements, Ward 7 :	
Bowker street . . . . .	5,184 38
Causeway street . . . . .	19,460 81
North Margin street . . . . .	101 30
Salt lane . . . . .	420 67
Sewers . . . . .	75 88
Street Improvements, Ward 8 :	
Barton court . . . . .	713 45
Cambridge street . . . . .	8,655 02
Chambers street, Green to Poplar street . . . . .	3,002 98
Sewers . . . . .	867 73
Street Improvements, Wards 7 and 8 :	
Sewers . . . . .	151 85
Street Improvements, Ward 10 :	
Sewers . . . . .	785 60
Street Improvements, Wards 9 and 10 :	
Charles street . . . . .	6,010 25
Derne street . . . . .	1,500 38
Sewers . . . . .	525 64
Street Improvements, Ward 12 :	
Sewers . . . . .	124 26
<i>Carried forward,</i>	\$657,764 12

<i>Brought forward</i>	\$657,764 12
Street Improvements, Ward 14 :	
East Eighth street . . . . .	10,668 07
New edgestone, sidewalks, and gutters . . . . .	249 35
Story street . . . . .	68 60
Bridges . . . . .	291 58
Sewers . . . . .	25 85
Street Improvements, Ward 15 :	
New edgestone, sidewalks, and gutters . . . . .	254 15
Vale street . . . . .	711 15
Sewers . . . . .	18 68
Street Improvements, Wards 17 and 18 :	
Dartmouth street . . . . .	6,145 30
Ivanhoe street . . . . .	624 49
Wilkes street . . . . .	131 60
Sewers . . . . .	1,313 77
Street Improvements, Wards 19 and 22 :	
Edge Hill street . . . . .	710 80
Evergreen street . . . . .	754 22
Mountfort street . . . . .	3,719 10
New edgestone, sidewalks, and gutters . . . . .	958 60
Bridges . . . . .	2,541 74
Sewers . . . . .	1,202 03
Street Improvements, Ward 20 :	
New edgestone, sidewalks, and gutters . . . . .	638 69
Norfolk avenue . . . . .	187 70
Sewers . . . . .	376 22
Street Improvements, Ward 21 :	
Catawba street . . . . .	998 00
Centre street . . . . .	839 70
Holland street . . . . .	434 25
Howland street . . . . .	203 80
New edgestone, sidewalks, and gutters . . . . .	3,725 73
Thwing street . . . . .	1,297 83
Street Improvements, Wards 23 and 25 :	
Brookfield street . . . . .	1,106 88
Cambridge street . . . . .	745 00
Catharine street . . . . .	773 50
Concrete sidewalks . . . . .	516 83
Elko street . . . . .	875 30
Farrington avenue . . . . .	104 90
Highgate street . . . . .	3,077 67
Landseer street . . . . .	1,387 83
Linden street . . . . .	953 48
New edgestone, sidewalks, and gutters . . . . .	1,368 13
Ophir street . . . . .	978 00
Pond street . . . . .	2,173 05
Roberts street . . . . .	201 44
Washington street (Brighton) . . . . .	5,210 57
Bridges . . . . .	759 24
Sewers . . . . .	1,514 77
<i>Carried forward,</i>	\$718,601 71

<i>Brought forward,</i>	\$718,601 71
Street Improvements, Ward 24 :	
Brent street . . . . .	43 07
Clarkson street . . . . .	302 16
Crescent avenue . . . . .	2,758 15
Duncan street . . . . .	640 35
Glenway street . . . . .	4,376 45
Greenheys street . . . . .	205 30
King street . . . . .	4,627 99
Lawrence avenue . . . . .	1,355 65
Lyndhurst street . . . . .	4,311 78
Mayfield street . . . . .	471 70
New edgestone, sidewalks, and gutters . . . . .	781 25
Sagamore street . . . . .	150 70
Spencer street . . . . .	97 50
Virginia street . . . . .	83 45
Willis street . . . . .	2,391 90
Bridges . . . . .	792 82
Sewers . . . . .	7,908 87
Street Improvements, Ward 25 :	
Brighton avenue . . . . .	61 80
Talbot avenue . . . . .	18,501 41
Thetford street . . . . .	5,867 13
Utica street, Harvard to Kneeland street . . . . .	4,909 46
Utica street, Kneeland to Beach street . . . . .	794 28
Van Renssalaer place . . . . .	450 00
Washington street, Brighton . . . . .	6,848 88
Whiting street . . . . .	2,135 00
Laying Out and Construction of Highways :	
Sewer construction . . . . .	2,883 58
Arundel street . . . . .	3,048 26
Batavia street . . . . .	411 02
Bay State road . . . . .	3,589 90
Boylston street . . . . .	9,604 43
Deerfield street . . . . .	2,658 19
Huntington avenue . . . . .	10 25
Ivy street . . . . .	8,302 22
Miner street . . . . .	255 19
Mountfort street . . . . .	4,367 24
Newbury street . . . . .	14,536 86
Norway street . . . . .	151 35
Parker street . . . . .	21,805 37
St. Germain street . . . . .	1,747 53
Sherborn street . . . . .	10 75
Turner street . . . . .	13 00
Total . . . . .	\$862,863 90
Less amount paid out of appropriation for Paving Division . . . . .	23,150 12
Total . . . . .	<u>\$839,713 78</u>

## LAYING OUT AND CONSTRUCTION OF HIGHWAYS.

## Sewer construction :

Labor . . . . .	\$1,800 16
Teaming . . . . .	682 50
Gravel . . . . .	400 92
	<hr/>
	\$2,883 58

**Arundel street, Beacon to Mountfort street.**

Labor . . . . .	\$278 46
Stone . . . . .	557 70
Advertising . . . . .	99 37
447 ft. straight edgestone . . . . .	290 55
42 $\frac{6}{12}$ ft. circular edgestone . . . . .	55 25
1 large and 3 small corners . . . . .	15 65

## Amount paid to H. Gore &amp; Co. :

122 cu. yds. sub-grading, at 25 cts. . . . .	\$30 50
796 sq. yds. macadam, at 20 cts. . . . .	159 20
228.8 sq. yds. gutters, at \$2.35 . . . . .	537 68
579.5 ft. edgestone set, at 30 cts. . . . .	173 85
411.7 sq. yds. brick paving, at \$1.05 . . . . .	432 29
48.4 sq. yds. flagging crossings, at \$4 . . . . .	193 60
246.5 cu. yds. gravel, at \$1.20 . . . . .	295 80
10.5 sq. yds. gutters repaved, at 85 cts. . . . .	8 93

## Work at Beacon street, moving shanty, etc. :

$\frac{1}{2}$ day, single team, at \$3 . . . . .	\$1 50
7 hours' labor, at \$1.75 . . . . .	1 36
$\frac{1}{2}$ day double caravan, at \$7 . . . . .	3 50
8 hours' labor, at \$1.75 . . . . .	1 56
5 hours' stone-cutter, at \$3.91 . . . . .	2 17

10 09

Add 15 per cent. . . . . 1 51

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11 60

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1,843 45

\$3,140 43

Amount retained from H. Gore &amp; Co.

92 17

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\$3,048 26**Batavia street, St. Stephen to Parker street.**

Amount retained from James Grant & Co. for work done under contract in 1893 . . . . .	\$411 02
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**Bay State road, Raleigh to Sherborn street.**

Labor . . . . .	\$52 00
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*Carried forward,*

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\$52 00



*Brought forward,*

\$52 00

Amount paid to James Killian :

542 cu. yds. sub-grading, at 35 cts.	. . . . .	\$189 70
4,647 sq. yds. macadam, at 48 cts.	. . . . .	2,230 56
1,069 sq. yds. gutters paved, at \$2 60	. . . . .	2,779 40
2,616 lin. ft. edgestone set, at 98 cts.	. . . . .	2,563 68
3,209 sq. yds. gravel sidewalks, at 46 cts.	. . . . .	1,476 14
183.4 sq. yds. cross-walks laid, at \$1.20,	. . . . .	220 08
4,682 cu. yds. gravel filling, at 84 cts.	. . . . .	3,932 88

Resetting edgestone, gutters, and crosswalks :

5 $\frac{1}{4}$ days, foreman, at \$5 . . . . .	\$26 25
12 days, paver, at \$4.00 . . . . .	48 00
12 $\frac{1}{2}$ days, rammer, at \$2.25 . . . . .	29 06
35 $\frac{1}{2}$ days, laborers, at \$2.00 . . . . .	71 00
14 $\frac{1}{2}$ lin. ft. circ. edgestone, at 55 cts. . . . .	79 75
11 double loads crushed stone, at \$4.00 . . . . .	44 00
2 $\frac{5}{8}$ days' labor at \$2.00 . . . . .	5 22

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\$303 28

Plus 15 per cent. . . . . 45 49      348 77

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\$13,741 21

Amount paid in 1393 . . . . . 10,203 31

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3,537 90

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\$3,589 90**Boylston street, Brookline avenue to Boylston road. (Work unfinished.)**

Labor . . . . .	\$613 60
Advertising . . . . .	171 02

Amount paid to John O'Brien :

16,602 cu. yds. filling at 62.5 cts. . . . .	\$10,376 25
15% retained . . . . .	1,556 44

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8,819 81

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\$9,604 43**Deerfield street, Commonwealth avenue to Charles river.**

Labor . . . . .	\$230 00
Fence . . . . .	87 50
54 lin. ft. granite coping . . . . .	324 00

Amount paid to James Killian :

87 cu. yds. sub-grading, at 35 cts. . . . .	\$30 45
1,983 sq. yds. macadam, at 47 cts. . . . .	932 01
342 sq. yds. gutters paved, at \$2 60 . . . . .	889 20
998 lin. ft. edgestone set, at 97 cts. . . . .	968 06

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\$2,819 72

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\$641 50*Carried forward,*

<i>Brought forward,</i>	\$2,819 72	\$641 50
900 sq. yds. gravel sidewalks, at 46 cts.	414 00	
7.2 sq. yds. crosswalks laid, at \$1.20 .	8 64	
1,741 cu. yds. gravel filling, at 84 cts. .	1,462 44	
Resetting edgestone, gutters, and crosswalks :		
1 day, foreman . . . . .	\$5 00	
4 $\frac{3}{4}$ days, paver, at \$4.00 . . . . .	19 00	
4 days, rammer, at \$2.25 . . . . .	9 00	
10 days, laborer, at \$2.00 . . . . .	20 00	
5.4 lin. ft. circular edgestone, at 55 cts. . . . .	2 97	
17 double loads stone, at \$4.00 . . . . .	68 00	
3 days' labor at \$2.00 . . . . .	6 00	
	<hr/>	
	\$129 97	
Plus 15% . . . . .	19 50	
	<hr/>	
	149 47	
	<hr/>	
	\$4,854 27	
Less 1 day's use of steam-roller . . . . .	15 00	
	<hr/>	
	\$4,839 27	
Amount paid in 1893 . . . . .	2,822 58	
	<hr/>	
		2,016 69
		<hr/>
		\$2,658 19

**Huntington avenue.** (Work not started.)

Labor . . . . . \$10 25

**Ivy street, St. Mary's to Mountfort street.**

Labor . . . . . \$214 50  
 Stone . . . . . 1,393 03  
 Advertising . . . . . 7 20  
 1,465 ft. straight edgestone . . . . . 952 25  
 83 $\frac{2}{2}$  ft. circular edgestone . . . . . 108 12

## Amount paid to James Grant &amp; Co. :

70 cu. yds. sub-grading, at 25 cts. . . . . \$17 50  
 2,380 sq. yds. macadam, at 4 cts. . . . . 95 20  
 512 sq. yds. gutters laid, at \$2.32 . . . . . 1,187 84  
 1,528 ft. edgestone set, at 25 cts. . . . . 382 00  
 1,124 sq. yds. brick paving, at \$1.10 . . . . . 1,236 40  
 3,896 cu. yds. gravel, at 95 cts. . . . . 3,701 20

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6,620 14

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\$9,295 24

Amount retained from James Grant & Co. . . . . 993 02

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\$8,302 22

**Miner street, Beacon street to Boston and Albany Railroad.**

Labor . . . . .	\$10 00
Amount retained from Doherty and O'Leary, for work done in 1893 . . . . .	245 19
	\$255 19

**Mountfort street, Audubon road to Ivy street.**

Labor . . . . .	\$163 37
Stone . . . . .	1,098 81
764 $\frac{1}{2}$ ft. straight edgestone . . . . .	497 14
68 $\frac{7}{12}$ ft. circular edgestone . . . . .	89 16
5 small corners . . . . .	16 75
2 large corners . . . . .	11 20
Advertising . . . . .	64 00
Sundries . . . . .	4 38

Amount paid to H. Gore & Co.

133.7 cu. yds. sub-grading, at 25 cts. . . . .	\$33 43
1,349 sq. yds. macadam, at 20 cts. . . . .	269 80
303 sq. yds. gutters paved, at \$2.35 . . . . .	712 05
768 ft. edgestone set, at 30 cts. . . . .	230 40
627.5 sq. yds. block paving, at \$1.05 . . . . .	658 88
9 sq. yds. flag crossings, at \$4.00 . . . . .	36 00
455 cu. yds. gravel, at \$1.20 . . . . .	546 00
25 sq. yds. gutters relaid, at 85 cts. . . . .	21 25
19 sq. yds. brick paving relaid, at 65 cts. . . . .	12 35
9 sq. yds. flagging crosswalks relaid, at 50 cts. . . . .	4 50
115 ft. edgestone reset, at .157 . . . . .	\$18 06
1 day, stone-cutter . . . . .	3 91
	\$21 97
Add 15% . . . . .	3 30
	25 27
	2,549 93
Amount retained from H. Gore & Co. . . . .	\$4,494 74
	127 50
	\$4,367 24

**Newbury street, Charles-Gate West to Brookline avenue.**

Labor . . . . .	\$769 63
Stone . . . . .	1,825 99
Filling . . . . .	383 20
Printing . . . . .	59 62
Advertising . . . . .	103 38
35 $\frac{1}{4}$ feet circular edgestone . . . . .	45 96
2,516 feet straight edgestone . . . . .	1,631 50

*Carried forward,* \$4,819 28

*Brought forward,*

\$4,819 28

Amount paid to F. H. Cowin :

192.5 cu. yds. sub-grading, at 35 cts.	\$67 38
3,208 sq. yds. macadam, at 54.5 cts.	1,748 36
18 sq. yds. macadam, at 54.5 cts.	9 81
871 sq. yds. gutters, at \$2.00 . . . . .	1,742 00
2,551 feet edgestone, at 92 cts. . . . .	2,346 92
2,071 sq. yds. brick paving, at \$1.07 . . . . .	2,215 97
45.1 sq. yds. flagging crossings, at \$4.00 . . . . .	180 40
4,752 cu. yds. gravel, at \$1.17 . . . . .	5,559 84
23 sq. yds. gutters relaid, at 50 cts. . . . .	11 50
37 feet edgestone reset, at 42 cts. . . . .	15 54
	<hr/>
	\$13,897 72

Credit by :

2,510 feet edgestone, at 65 cts. . . . .	\$1,631 50	
41 feet circular edgestone, at \$1.30 . . . . .	53 30	
1,106.66 tons stone screenings, at \$1.65 . . . . .	1,825 99	
	<hr/>	
	\$3,510 79	
		<hr/>
		10,386 93
		<hr/>
		\$15,206 21
Amount retained from F. H. Cowin . . . . .		669 35
		<hr/>
		<u>\$14,536 86</u>

**Norway street.** (Work not started.)

Labor . . . . .	\$119 35
Advertising . . . . .	32 00
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	<u>\$151 35</u>

**Parker street,** Huntington avenue to Westland avenue.

Labor . . . . .	\$986 66
Filling . . . . .	6,147 31
Advertising . . . . .	125 73
Printing . . . . .	7 28
Fuel . . . . .	14 55
Sundries . . . . .	16 80

Amount paid to Doherty and O'Leary :

7,081.3 cu. yds. gravel filling, at \$1.00 . . . . .	\$7,081 30
1,454 cu. yds. sub-grading, at 37 cts. . . . .	537 98
6,107 sq. yds. Telford base, at 62 cts. . . . .	3,786 34
1,009 sq. yds. block gutters laid, at \$2.06 . . . . .	2,078 54
3,086 feet edgestone set, at 87 cts. . . . .	2,684 82
10 sq. yds. gutters relaid, at 56 cts. . . . .	5 60
	<hr/>

*Carried forward,*

\$16,174 58

\$7,298 33

<i>Brought forward,</i>	\$16,174 58	\$7,298 33
126 feet edgestone reset, at 37 cts. . . . .	46 62	
769 cu. yds. gravel, at \$1.10 . . . . .	845 90	
	-----	17,067 10

		\$24,365 43
Amount retained from Doherty and O'Leary . . . . .		2,560 06
		-----
		\$21,805 37

**St. Germain street.**

Labor . . . . .		\$177 25
Advertising . . . . .		84 48
Amount paid to Quimby & Ferguson :		
1,840 cu. yds. gravel, at 95 cts. . . . .		1,748 00

		\$2,009 73
Amount retained from Quimby & Ferguson . . . . .		262 20
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		\$1,747 53

**Sherborn street.**

Labor . . . . .		\$10 75
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**Turner street.**

Labor . . . . .		\$13 00
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*NEW EDGESTONE.*

The following tables show the amount of new edgestone set during the year :

CITY PROPER.

*Wards 6, 7, 8, 9, 10, 11, 12, 16, 17, and 18. (Paving Districts Nos. 8, 9, and 10.)*

	Lin. ft.
Chambers-street extension . . . . .	668
East Lenox street . . . . .	115
Lewis street extension . . . . .	428
Massachusetts avenue . . . . .	669
Cambria street . . . . .	36
	-----
	1,916

ROXBURY.

*Wards 19, 20, 21, and 22. (Paving Districts 7, 9, and 11.)*

	Lin. ft.
Arundel street . . . . .	580
Batavia street . . . . .	1,015
Bay State road . . . . .	2,616
	-----
<i>Carried forward,</i>	4,211

	Lin. ft.
<i>Brought forward,</i>	4,211
Beacon street . . . . .	162
Blue Hill avenue . . . . .	1,102
Catawba street . . . . .	549
Centre street . . . . .	175
Commonwealth avenue . . . . .	10,227
Day street . . . . .	3,072
Deerfield street . . . . .	998
Gaston street . . . . .	257
Hamerton street . . . . .	220
Harold and Ruthven streets . . . . .	254
Heath street . . . . .	1,373
Holborn street . . . . .	332
Howland street . . . . .	180
Humboldt avenue . . . . .	64
Hulbert street . . . . .	50
Ivy street . . . . .	1,611
Miner street . . . . .	626
Minden street . . . . .	43
Moreland and Montrose streets . . . . .	240
Mountfort street . . . . .	2,310
Munroe street . . . . .	495
Newbury street . . . . .	2,615
Parker street . . . . .	3,086
Raleigh street . . . . .	204
Ruthven street . . . . .	250
St. Alphonsus street . . . . .	2,219
St. Botolph street . . . . .	719
Sewall street . . . . .	342
Thorndike street . . . . .	564
Thwing street . . . . .	566
Westminster street . . . . .	150
Woodward avenue . . . . .	58
	<hr/>
	39,324
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## SOUTH BOSTON.

*Wards 13, 14, and 15. (District No. 1.)*

	Lin. ft.
D street and Dorchester avenue . . . . .	77
East Third street . . . . .	72
East Second street . . . . .	165
East Sixth street . . . . .	77
Story street . . . . .	105
Vinton street . . . . .	25
	<hr/>
	521
	<hr/>

## EAST BOSTON.

*Wards 1 and 2. (District No. 2.)*

	Lin. ft.
Condor street . . . . .	186
Everett street . . . . .	55
Falcon street . . . . .	207
Havre street . . . . .	110
Paris street . . . . .	175
London street . . . . .	83
	<hr/>
	816
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## DORCHESTER.

*Ward 24. (District No. 6)*

	Lin. ft.
Algonquin street . . . . .	656
Ashmont street . . . . .	95
Blakeville street . . . . .	793
Bushnell street . . . . .	275
Clarkson street . . . . .	337
Crescent avenue . . . . .	537
Glenway street . . . . .	64
Neponset avenue . . . . .	155
Newport and Harbor View streets . . . . .	566
Quincy street . . . . .	62
Roslin street . . . . .	405
Talbot avenue . . . . .	2,264
Welles avenue . . . . .	50
West Park street . . . . .	285
	<hr/>
	6,544
	<hr/>

## WEST ROXBURY.

*Ward 23. (Districts Nos. 5 and 11.)*

	Lin. ft.
Atherton street . . . . .	153
Boylston and Washington streets . . . . .	159
Brookfield street . . . . .	116
Hyde Park avenue . . . . .	232
Paul Gore street . . . . .	93
Metropolitan avenue . . . . .	326
Sedgwick street . . . . .	65
Washington street . . . . .	285
Weld Hill street . . . . .	139
	<hr/>
	1,568
	<hr/>

## BRIGHTON.

*Ward 25. (District No. 4.)*

	Lin. ft.
Farrington avenue . . . . .	123
Highgate street . . . . .	987
Murdock street . . . . .	107
Raymond street . . . . .	106
	<hr/>
	1,323
	<hr/>

## CHARLESTOWN.

*Wards 3, 4, and 5. (District No. 3.)*

	Lin. ft.
Sprague street . . . . .	694
	<hr/>

## RECAPITULATION.

	Lin. ft.
City Proper . . . . .	1,916
Roxbury . . . . .	39,324
South Boston . . . . .	521
East Boston . . . . .	816
Dorchester . . . . .	6,544
West Roxbury . . . . .	1,568
Brighton . . . . .	1,323
Charlestown . . . . .	694
	<hr/>
	52,706
	<hr/>

*NEW BRICK SIDEWALKS.*

The following tables show the number of square yards of new brick sidewalks laid during the year :

## CITY PROPER.

*Wards 6, 7, 8, 9, 10, 11, 12, 16, 17, and 18. (Paving Districts Nos. 8, 9, and 10.)*

	Sq. yds.
Castle street . . . . .	96
Cambria street . . . . .	28
Chambers-street extension . . . . .	361
Harrison avenue . . . . .	150
Lewis-street extension . . . . .	186
Massachusetts avenue . . . . .	570
Shawmut avenue . . . . .	146
	<hr/>
	1,537
	<hr/>



## ROXBURY.

*Wards 19, 20, 21, and 22. (Districts 7, 9, and 11.)*

	Sq. yds.
Arundel street . . . . .	412
Batavia street . . . . .	850
Beacon street . . . . .	283
Blue Hill avenue . . . . .	1,100
Cedar street . . . . .	81
Centre street . . . . .	184
Dudley street . . . . .	120
Elm Hill avenue . . . . .	160
Forest street . . . . .	185
Gaston street . . . . .	47
Hartford street . . . . .	444
Heath street . . . . .	440
Holborn street . . . . .	112
Howland street . . . . .	129
Humboldt avenue . . . . .	677
Ivy street . . . . .	1,124
Laurel street . . . . .	200
Miner street . . . . .	488
Monadnock street . . . . .	91
Mountfort street . . . . .	628
Moreland and Montrose streets . . . . .	158
Munroe street . . . . .	393
Newbury street . . . . .	2,071
Raleigh street . . . . .	163
St. Alphonsus street . . . . .	327
St. Botolph street . . . . .	120
Terrace street . . . . .	84
Thorndike street . . . . .	376
Vine street . . . . .	86
	<hr/>
	11,533

## SOUTH BOSTON.

*Wards 13, 14, and 15. (District No. 1.)*

	Sq. Yds.
Broadway . . . . .	90
D street . . . . .	84
Dorset street . . . . .	52
E street . . . . .	75
East Eighth street . . . . .	804
East Second and Story streets . . . . .	713
East Sixth street . . . . .	63
East Third street . . . . .	132
Howell street . . . . .	400
I and East Ninth streets . . . . .	172
Vinton and F streets . . . . .	51
Washburn street . . . . .	70
	<hr/>
	2,706

## EAST BOSTON.

*Wards 1 and 2. (District No. 2.)*

	Sq. Yds.
Bremen street . . . . .	76
Brooks street . . . . .	314
Condor street . . . . .	148
East Eagle street . . . . .	558
Everett street . . . . .	52
Falcon street . . . . .	184
Havre street . . . . .	200
London street . . . . .	62
Morris street . . . . .	53
Paris street . . . . .	128
Prescott street . . . . .	114
West Eagle and Saratoga streets . . . . .	226
	<hr/>
	2,115
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## DORCHESTER.

*Ward 24. (District No. 6.)*

	Sq. Yds.
Dorchester avenue . . . . .	95
Carruth street . . . . .	177
Mt. Vernon street . . . . .	75
Virginia street . . . . .	106
	<hr/>
	453
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## WEST ROXBURY.

*Ward 23. (Districts Nos. 5 and 11.)*

	Sq. Yds.
Egleston and School streets . . . . .	189
Hyde Park avenue . . . . .	342
Weld Hill street . . . . .	187
West Walnut Park and Copley street . . . . .	116
	<hr/>
	834
	<hr/>

## BRIGHTON.

*Ward 25. (District No. 4.)*

Nothing.

## CHARLESTOWN.

*Wards 3, 4, and 5. (District No. 3.)*

	Sq. Yds.
Essex street and Rutherford avenue . . . . .	88
Moulton and Vine streets . . . . .	126
Sprague street . . . . .	223
	<hr/>
	437
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## RECAPITULATION.

	Sq. Yds.
City Proper . . . . .	1,537
Roxbury . . . . .	11,533
South Boston . . . . .	2,706
East Boston . . . . .	2,115
Dorchester . . . . .	453
West Roxbury . . . . .	834
Brighton . . . . .	0
Charlestown . . . . .	437
	<hr/>
	19,615
	<hr/> <hr/>

*PROPERTY IN CHARGE OF THE DEPUTY SUPER-  
INTENDENT OF PAVING DIVISION.*

Buildings and wharf on Albany street, opposite Sharon street. The building is of brick and wood, and covers some 8,000 square feet of land, and is divided into a shed for storage, blacksmith's and carpenter's shops, tool-room, and stable. The total contents of the lot, including wharf and building, are 63,180 square feet.

Fort-hill Wharf, containing 21,054 square feet placed in charge of the Paving Department May 18, 1874, to be used for the landing and storage of paving-blocks and gravel until such time as said wharf shall be wanted for the extension of Oliver street. A part of said wharf is occupied by a tenant-at-will, at \$500 per annum, part by Sanitary Division.

Lot on Chelsea, Marion, and Paris streets, East Boston, containing 43,550 square feet. Part of this lot used by the Sewer Division.

Ledge lot on Washington street, corner Dimock street, Roxbury, containing 134,671 square feet. Upon this lot are buildings containing a steam-engine, and stone-crusher.

Highland-st. Stable lot. Upon this lot is a large brick stable, erected in 1873, and occupied by the Sanitary and Paving Divisions; also a brick building used as a blacksmith's shop, and a shed for the storage of tools, etc.

Ledge lot on Codman street, Dorchester, containing 299,000 square feet, was purchased in 1870. Upon this lot is a shed containing a steam-engine and stone-crusher, also a stable and tool-house.

On the Almshouse lot, Hancock street, Dorchester, there are two stables, also a shed and tool-house.

Ledge lot on Magnolia street and Bird place, Dorchester, containing 81,068 square feet. This lot was purchased by the town of Dorchester in 1867.

Downer-avenue lot, Dorchester, containing 35,300 square feet.

*West Roxbury.* — On Child street, a lot of land containing 43,024 square feet, upon which are a stable and shed, blacksmith's shop and tool-house.

*Gravel Lots.* — In the town of Milton, on Brush Hill road, con-

taining 64,523 square feet, hired by the town of Dorchester for nine hundred and ninety-nine years. Morton street, Ward 23, containing about one-third of an acre, purchased by the town of West Roxbury in 1870, used for storage purposes.

Ledge and gravel lot, rear of Union street, containing about 37,000 square feet, purchased by the town of Brighton. This lot is at present leased.

Gravel and stones on lot on Market street, Ward 25, purchased by town of Brighton.

Ledge lot on Chestnut Hill avenue, Brighton, containing about 13 acres, upon which are an office, engine-house, stable, and crusher plant.

On Medford street, Charlestown, a wharf lot, foot of Elm street, containing 8,000 feet, upon which are sheds, office, stable, etc.

Property belonging to the Paving Division, consisting of 91 horses, 71 carts, 15 water-carts, 16 wagons, 5 steam-rollers, 7 stone-crushers, and 7 engines.

In South Boston, corner of H and Ninth streets: stable, carriage-house, shed, tool-house, and office, on leased land.

On Hereford street: a yard with shed, tool-house, and office.

Wharf, known as Atkin's wharf, 521 Commercial street, purchased in 1887 for \$24,000, containing 22,553 square feet, having on it an office and stable.

On Boylston street, at Boylston Station, office and shed.

Respectfully submitted,

DARIUS N. PAYSON,

*Deputy Superintendent of Paving Division.*

## APPENDIX C.

REPORT OF DEPUTY SUPERINTENDENT OF THE  
SANITARY DIVISION.

STREET DEPARTMENT, SANITARY DIVISION,  
12 BEACON STREET, BOSTON, February 9, 1895.

MR. B. T. WHEELER, *Superintendent of Streets*:

DEAR SIR: Herewith I send you a statement of the doings of the Sanitary Division during the year 1894, showing the expenditures and income of this division from February 1, 1894, to January 31, 1895.

PHILIP A. JACKSON,  
*Acting Deputy Superintendent.*

## FINANCIAL STATEMENT.

Amount of appropriation . . . . .	\$450,000 00	
Transferred from Paving Division . . . . .	1,959 02	
Transferred from surplus revenue . . . . .	24,923 82	
Transferred from street-watering . . . . .	76 18	
	—————	\$476,959 02
Total amount expended . . . . .		467,459 02
		—————
Balance transferred to City Clerk's Department . . . . .	\$9,459 04	
Balance transferred to County of Suffolk . . . . .	40 96	
	—————	\$9,500 00

Items of Expenditures.	Amounts charged to the Sanitary Division.	Amount paid by other Divisions.	Total amount expended.
For salaries of Deputy Superintendent and clerks in office....	\$6,078 90	.....	\$6,078 90
For labor in collecting and removing house-dirt and ashes...	141,530 93	.....	141,530 93
For labor in collecting and removing house-offal.....	90,353 83	.....	90,353 83
For labor of foremen, mechanics, watchmen, and feeders.....	17,779 75	.....	17,779 75
For labor of men employed in stables and yards.....	11,718 08	.....	11,718 08
For grain used in stables.....	18,617 66	\$4,133 27	22,750 93
For hay and straw used in stables	10,597 80	1,639 43	12,237 23
For horses.....	3,125 00	.....	3,125 00
For stock and tools used in blacksmith-shop.....	5,607 54	38 00	5,645 54
For stock and tools used in wheelwright-shop.....	4,471 19	.....	4,471 19
For stock and tools used in harness-shop.....	2,606 08	8 00	2,614 08
For stock and tools used in paint-shop.....	772 00	89 08	861 08
For extra teams, collecting ashes and house-dirt.....	23,809 00	10,504 50	34,313 50
For extra teams, collecting house-offal.....	16,335 00	.....	16,335 00
For repairs on stables and sheds,	4,044 36	.....	4,044 36
For fuel, gas, and electric lights,	1,549 39	.....	1,549 39
For veterinary services and medicines for horses.....	1,367 99	.....	1,367 99
For shoeing horses (outside shops).....	1,449 16	13 50	1,462 66
For printing, stationery, and advertising.....	1,463 35	.....	1,463 35
For water-rates.....	835 80	.....	835 80
For offal stock, consisting of buckets, etc.....	1,889 77	.....	1,889 77
For ash stock, consisting of cart-covers, baskets, etc.....	1,215 00	.....	1,215 00
For stable stock, consisting of curry-combs, brushes, soap, etc.	1,608 06	.....	1,608 06
For dumping-boat, rental, royalty, towage, etc.....	47,164 22	125 00	47,289 22
For collecting house-dirt and ashes in East Boston.....	8,154 02	.....	8,154 02
For collecting house-dirt and ashes in South Boston, west of Dorchester st.....	4,937 62	.....	4,937 62
For collecting house-dirt and ashes in South Boston, east of Dorchester st.....	5,875 00	.....	5,875 00
For collecting house-dirt and ashes in Dorchester, south of Park, School, and Harvard sts.	4,100 00	.....	4,100 00
<i>Carried forward</i> .....	\$439,056 50	\$16,550 78	\$455,607 28

Items of Expenditures.	Amounts charged to the Sanitary Division.	Amount paid by other Divisions.	Total amount expended.
<i>Brought forward</i> .....	\$439,056 50	\$16,550 78	\$455,607 28
For collecting house-dirt and ashes in Dorchester, north of Park, School, and Harvard sts.	3,538 49	.....	3,538 49
For collecting house-dirt and ashes in West Roxbury, south of Seaver and Boylston sts....	5,850 00	.....	5,850 00
For collecting house - offal in East Boston .....	8,000 00	.....	8,000 00
For collecting house - offal in Brighton.....	2,800 00	.....	2,800 00
For collecting house - offal in Dorchester .....	5,644 39	.....	5,644 39
For incidental expenses:			
Telephone . . . . .	\$561 00		
Board of horses, etc. . . . .	901 12		
Committee expenses,			
"disposal of offal" . . . . .	400 00		
Travelling expenses . . . . .	384 46		
Damage by city teams, . . . . .	35 00		
Newspaper . . . . .	6 00		
Miscellaneous supplies			
for office . . . . .	282 06		
	2,569 64	3 00	2,572 64
Total .....	\$467,459 02		
Paid by Street-Cleaning Division	15,119 42		
Paid by Paving Division.....	164 50		
Paid by Sewer Division.....	222 08		
Paid by County of Suffolk.....	1,047 78		
	\$484,012 80	\$16,553 78	\$484,012 80

REVENUE.

Amount of moneys deposited and bills presented to the City Collector for collection, for material sold and work performed by the Sanitary Division of the Street Department during the year ending January 31, 1895.

*Moneys deposited with the City Collector.*

From sale of house-offal . . . . .	\$26,262 40	
From letting of scow privileges . . . . .	677 65	
		\$26,940 05

*Bills deposited with the City Collector.*

For the removal of engine ashes . . . . .	\$10,586 41	
For the sale of manure . . . . .	870 36	
For the sale of ashes and house-dirt . . . . .	2,665 62	
For the sale of house-offal . . . . .	160 50	
For the sale of tin cans . . . . .	73 91	
For the letting of scow privileges . . . . .	23 70	
For the letting of Fort Hill wharf . . . . .	1,000 00	
		15,380 50
		<u>\$42,320 55</u>

Amount collected by the City Collector . . . . . \$44,870 94

**Amount expended for the Collection of House-dirt and Ashes and House-offal, Labor and Contracts.**

DISTRICTS.	Expended for collecting.	
	Ashes.	Offal.
City Proper . . . . .	\$93,187 05	\$53,541 33
South Boston . . . . .	<sup>1</sup> <sup>2</sup> 12,320 00	8,096 00
East Boston . . . . .	<sup>3</sup> 8,154 02	<sup>7</sup> 8,000 00
Charlestown . . . . .	11,920 00	5,620 00
Roxbury . . . . .	27,241 50	13,847 50
West Roxbury . . . . .	<sup>4</sup> 9,042 00	6,892 00
Dorchester . . . . .	<sup>5</sup> <sup>6</sup> 9,409 49	<sup>9</sup> 8,001 39
Brighton . . . . .	2,712 00	<sup>8</sup> 2,800 00
<b>Totals . . . . .</b>	<b>\$173,986 06</b>	<b>\$106,798 22</b>

Ashes Contract.	<sup>1</sup> F. J. Mohan . . . . .	\$5,875.00	for territory east of Dorchester street.
"	<sup>2</sup> D. O'Sullivan . . . . .	4,937.62	" west of Dorchester street.
"	<sup>3</sup> Wm. F. Hedrington, . . . . .	8,154.02	" in East Boston.
"	<sup>4</sup> James Doonan . . . . .	5,850.00	" south of Seaver and Boylston streets.
"	<sup>5</sup> John Bradley . . . . .	3,538.49	" south of Park, School, and Harvard streets.
"	<sup>6</sup> John McShane . . . . .	4,100.00	" north of Park, School, and Harvard streets.
Offal Contract.	<sup>7</sup> Thomas Mulligan . . . . .	8,000.00	" of East Boston.
"	<sup>8</sup> Allen Clarke . . . . .	2,800.00	" of Brighton.
"	<sup>9</sup> John McShane . . . . .	5,644.39	" of Dorchester.



**Total Cost for Removal of House-dirt, Ashes, and House-offal.**

HOUSE-DIRT AND ASHES ACCOUNT.

Expended for labor, per pay-rolls . . . . .	\$141,530 93	
Expended for stock, etc., per ledger account . . . . .	101,209 14	
Expended on contracts, South Boston . . . . .	10,812 62	
Expended on contracts, Dorchester . . . . .	7,638 49	
Expended on contract, part of West Roxbury . . . . .	5,850 00	
Expended on contract, East Boston . . . . .	8,154 02	
	<hr/>	\$275,195 20

HOUSE-OFFAL ACCOUNT.

Expended for labor, per pay-rolls . . . . .	\$90,353 83	
Expended for stock, etc., per ledger account . . . . .	76,817 06	
Expended on contract, East Boston . . . . .	8,000 00	
Expended on contract, Brighton . . . . .	2,800 00	
Expended on contract, Dorchester . . . . .	5,644 39	
	<hr/>	183,615 28
Salaries . . . . .	\$6,078 90	
Incidentals . . . . .	2,569 64	
	<hr/>	8,648 54
		<hr/>
		<u>\$467,459 02</u>

**Material collected by Districts.**

Material.	TEAMS.									Total loads.
	YARDS.									
	South.	West.	Roxbury.	Charlestown.	Brighton.	So. Boston.	E. Boston.	Dorchester.	W. Roxbury.	
House-dirt and ashes..	104,136	83,434	48,650	18,528	5,864	21,589	13,175	17,522	13,900	326,798
House-offal..	29,202	.....	10,524	2,356	1,539	.....	3,720	3,296	.....	50,637
Totals.....	133,338	83,434	59,174	20,884	7,403	21,589	16,895	20,818	13,900	377,435

## Disposition of Material Collected.

WHERE DUMPED.	Loads house-dirt and ashes.	Loads house-offal.	Street-sweepings, Street-Cleaning Div.	Cesspool matter, Sewer Div.	Total Loads.
First street, East Cambridge .....	23,801				23,801
Swett street, "Lamb" ..	23,342				23,342
Mill pond, Charlestown, ..	17,198				17,198
Norfolk ave.....	11,993				11,993
Bartlett court.....	11,894				11,894
Centre street.....	9,612				9,612
Brookline ave., "Cobb," ..	7,995				7,995
Bryant street .....	6,199				6,199
Brookline ave., "Gilligan" ..	3,745				3,745
Ward street .....	3,497				3,497
Swett street, "Cobb" ..	2,924				2,924
Duncan street, "Paine," ..	2,893				2,893
Duncan street, "Berrigan" ..	2,890				2,890
Various places, "City Teams" ..	36,336				36,336
Various places, "Contracts" ..	66,293				66,293
At sea by scows.....	96,186	5,025	30,478	1,376	133,065
Sold to farmers .....		37,057			37,057
East Boston, by Thomas Mulligan .....		3,720			3,720
Brighton, by Allen Clarke .....		1,539			1,539
Dorchester, by John McShane.....		3,296			3,296
	326,798	50,637	30,478	1,376	409,289

## Comparative Table showing Cost of collecting Ashes and Offal and delivering same at Dumps.

Cost per cart-load, including administration expenses . . . . .	\$1 24
“ “ “ minus “ “ . . . . .	1 22
“ “ “ of ashes, labor only . . . . .	74
“ “ “ “ “ hired teams, including contracts . . . . .	49
“ “ “ “ “ labor, hired teams, and contracts . . . . .	84
“ “ “ “ offal, labor only . . . . .	2 32
“ “ “ “ “ hired teams, including contracts . . . . .	2 77
“ “ “ “ “ labor, hired teams, and contracts . . . . .	3 63
“ “ scow-load to transport garbage to sea . . . . .	86 73
“ “ cart-load “ “ “ “ “ . . . . .	20

**Material collected and Cost of Hired Teams.**

	South Yard.		West Yard.		Roxbury Yard.		Charles-town Yard.		E. Boston.		So. Boston, east of Dor. st., Mo-han contract.		Dor., north of Park, school, and McShane's cont.		Dor., south of Park, school, and McShane's con-tract.		West Roxbury, south of Beaver and Boylston, Doonan cont.		Total.	
	Single team.	With extra man.	Single team.	With extra man.	Single team.	With extra man.	Single team.	With extra man.	5 teams in winter.	4 teams in summer.	5 teams in winter.	6 teams in winter.	9 teams in winter.	5 teams in winter.	3 teams in summer.	5 teams in winter.	4 teams in summer.	7 teams in winter.		4 teams in summer.
Days' work. . . . .	6,499	6,137½	1,726	1,726	2,859	2,793	28	28	251	251	251	251	251	251	251	251	251	251	11,363	10,935½
Number of loads col'd } Offal.	44,007	784	13,145	13,145	9,550	2,483	183	183	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	1,889	135,030	11,822
	Total . . . . .	44,881	44,881	13,145	13,145	12,033	183	183	3,428	11,771	11,771	9,818	9,199	8,323	3,296	13,900	146,872	146,872	146,872	146,872
Amount expended . .	\$31,772 00	\$8,630 00	\$14,163 00	\$14,163 00	\$4,055	\$140 00	\$16,154 02	\$16,895	\$4,937 00	\$5,875 00	\$8,538 40	\$4,100 00	\$5,644 39	\$5,850 00	\$5,850 00	\$5,850 00	\$5,850 00	\$5,850 00	\$104,858 90	\$104,858 90

Contract. 1 \$2,800 00 per year.  
 " 2 7,300 00 " "  
 " 3 8,000 00 " "  
 " 4 5,985 00 " "  
 " 5 5,900 00 " "

Contract. 6 \$4,237 50 per year.  
 7 4,100 00 " "  
 " 8 5,860 00 " "  
 " 9 8,000 00 " "

**Expenses of Dumping-Boats.**

Amount expended for	Royalties (per year)	. . .	\$2,415 00	
“ “ “	Rental “ “	. . .	4,560 00	
				\$6,975 00
“ “ “	Towing by department tow-boat*	\$4,996 18		
“ “ “	Towing by hired tow-boat	. . .	783 00	
				5,779 18
“ “ “	Repairs on boats	. . .	\$5,059 26	
“ “ “	“ “ wharf	. . .	2,598 81	
				7,658 07
“ “ “	Labor, captain	. . .	\$1,500 00	
“ “ “	“ crew and dumpers	. . .	3,903 29	
				5,403 29
“ “ “	Insurance	. . .		100 00
“ “ “	Incidentals, Disinfectants	. . .	\$63 40	
	Removing refuse,			
	Nantasket Beach,	. . .	75 00	
	Manilla rope	. . .	52 03	
	Telephone	. . .	30 00	
	Blocks, cleats, etc.	. . .	2 80	
	Flags	. . .	8 50	
	Kerosene oil	. . .	4 50	
	Stove, etc.	. . .	9 70	
	Coal	. . .	13 91	
	Salt	. . .	10 50	
	Keys, etc.	. . .	2 40	
	Ferry-tolls, etc.	. . .	4 23	
				276 97
“ “ “	Purchase of dumping-boat,			
	royalties, etc.	. . .		25,000 00
				\$51,192 51

\* Paid Sewer Division towards maintenance of boat.

Number of trips to sea by department tow-boat . . . 279

Number of trips to sea by hired tow-boat . . . 23

302

Cost per trip, \$86.73.

Number of cart-loads of garbage carried to sea, 133,065.

Cost per cart-load, 20 cents.

April 14, 1893, department tow-boat, the “Cormorant,” commenced work.

**Number of Carts collecting House-dirt, Ashes, and Offal.**

Offal-wagons owned by Sanitary Division	. . .	86	
“ in use “ Thomas Mulligan, East Boston	. . .	6	
“ “ “ Allen Clark, Brighton	. . .	3	
“ “ “ John McShane	. . .	7	
			102

**Capacity of Offal-wagons**

During the fall of 1892, 24 offal-wagons were measured and contents weighed for the purpose of obtaining the capacity of wagons and the weight of offal per cart-load. Their capacity averaged  $3\frac{3}{4}$  cord ft., or 56.25 cu. ft., and the weight averaged 3,115 lbs. A cord equals 128 cu. ft., or 7,091 lbs. Price per cord for offal same as 1892: South yard, \$4.00; Highland yard, \$5.00; Charlestown yard, \$4.00.

**Ash-carts.**

Ash-carts owned by Sanitary Division	. . .	159
“ in use “ Wm. F. Hedrington, East Boston	. . .	6
“ “ “ James Doonan, West Roxbury	. . .	7

Carried forward,

172

102

<i>Brought forward,</i>	172	102
Ash-carts in use by John Bradley, Dorchester . . . . .	4	
“ “ “ Francis J. Mohan, South Boston . . . . .	4	
“ “ “ Denis O’Sullivan, “ “ . . . . .	6	
“ “ “ John McShane, Dorchester . . . . .	6	
Market-wagons owned by Sanitary Division . . . . .	7	
	—	199
Grand total . . . . .		301

**Cost of Carts.**

1884. Ash-carts . . . . .	\$148 00
1886. “ . . . .	142 00
1888. “ . . . .	107 00
1891. “ . . . .	133 00
1892. “ . . . .	142 00
1893. “ . . . .	142 00
1894. “ . . . .	140 00

**Account of the Number of Loads of Material collected from 1882 to February 1, 1895.**

YEAR.	Ashes.	Offal.	Street-sweepings.	Cesspool matter.	Total loads.
1882 ...	159,197	28,385	52,381	10,051	250,014
1883 ...	169,610	27,408	58,272	8,801	264,091
1884 ...	182,642	28,520	62,222	12,578	285,962
1885 ...	193,734	31,206	61,455	13,151	299,546
1886 ...	209,129	33,170	59,875	11,392	313,566
1887 ...	220,186	36,724	68,990	14,333	340,233
1888 ...	233,514	37,709	68,019	<sup>1</sup> 5,644	344,886
1889 ...	227,325	40,183	70,476	.....	337,984
1890 ...	245,730	40,525	70,449	.....	356,704
1891 ...	<sup>2</sup> 213,464	46,742	<sup>3</sup> 10,564	.....	370,770
1892 ...	303,878	46,343	.....	.....	350,221
1893 ...	320,571	51,415	.....	.....	371,986
1894 ...	326,798	<sup>4</sup> 50,637	.....	.....	377,435
Total..	3,105,778	498,967	582,703	75,950	4,263,398

<sup>1</sup> July 1, 1888, the Sewer Department commenced cleaning out cesspools.  
<sup>2</sup> Ashes from January 1, 1891, to May 1, 1891 . . . . . 104,046  
 Ashes from May 1, 1891, to February 1, 1892 . . . . . 209,418  
 313,464  
<sup>3</sup> May 1, 1891, the Street-Cleaning Division commenced cleaning streets.  
<sup>4</sup> Thomas Mulligan, East Boston, collected . . . . . 3,720  
 Allen Clarke, Brighton . . . . . 1,539  
 John McShane, Dorchester . . . . . 3,296  
 8,555

**Cost of Horseshoeing and Blacksmithing.**

	Division Shop.	Outside Shops.
Stock . . . . .	\$1,884 08	
Labor . . . . .	2,498 75	
	\$4,382 83	\$1,582 07

**NUMBER OF SHOES PUT ON.**

Horses owned by Sanitary Division . . . . .	6,921
“ “ “ Street-Cleaning Division . . . . .	1,781
“ “ “ Paving Division . . . . .	227
Total . . . . .	8,929

Average cost per shoe, about 35 cents.





**Hay and Grain.**

*Account of Hay, Grain, and Straw fed out and used February 1, 1894, to February 1, 1895.*

	Bales.	Bushels.	Pounds.	Total Cost.	Cost per Horse per day.	Lbs. per Horse per day.	Horses. Divisions: San. Street-Cl.
South-yard Stable.	Hay	2,619	567,946	\$5,156 87	\$0.1125021	1232574	31,786
	Oats	.....	649,088	8,891 77	0.1941553	1424604	12,820
	Shorts	.....	14,425	149 81	1.0281	14225	44,606
	Straw	377	88,062	661 21	.0121515	143456	
	Corn	2,419	135,464	1,417 64	.037046	31640	Average per
	English vegetable food	32 bbls	6,400	480 00	.013324	6400	day, 35
	Salt	8 sacks	.....	5 80	.550	.....	87
	Carrots	.....	2,810	16 86	1.656	2810	
	Total	.....	1,464,195	\$16,779 96	\$0.3727554	3244003	
West-yard Stable.	Hay	2,008	472,348	\$4,212 83	\$0.142073	16198	17,716
	Oats	.....	462,016	6,427 76	0.2122901	152291	29,515
	Shorts	14,438	79 75	79 75	7.075	7500	
	Straw	357	81,453	589 97	.012942	222423	Average per
	English vegetable food	15 bbls	3,000	225 00	22.500	3000	day, 32
	Salt	2½ sacks	.....	2 38	238	.....	49
	Carrots	.....	2,850	17 10	1710	2850	
	Total	.....	1,029,167	\$11,554 79	\$0.394394	3429515	



Hay and Grain. — *Concluded.*

	Bales.	Bushels.	Pounds.	Total Cost.	Cost per Horse per day.	Lbs. per Horse per day.	Horses. Divisions: San. Street-Cl.
Charlestown- yard Stable.	Hay.....	735	170,985	\$1,522 88	\$0.165624	19,384	2,562
	Oats.....	4,394	140,608	2,015 99	0.221331	29,979	8,979
	Shorts.....		3,500	37 75	37.50	35.00	
	Straw.....		15,986	180 54	0.014075	17.007	
	Corn.....	50	2,800	30 10	30.10	28.00	
	English vegetable food.....	9 bbls.	1,800	185 00	0.014521	18.000	
	Salt.....						
	Carrots.....		2,700	16 20	1.620	27.00	
	Total.....		338,379	\$3,888 46	\$0.433743	37,615.6	6,417
Highland- yard Stable.	Hay.....	986	223,442	\$2,011 05	\$0.1215805	131,189.7	14,691
	Oats.....	6,734	215,488	3,052 46	0.1812256	131,637.7	16,275
	Shorts.....		7,700	79 85	7.985	77.00	
	Straw.....		30,435	223 24	0.015049	144.160	
	Corn.....	132	39,928	416 61	0.023111	27.378	
	English vegetable food.....	14 bbls.	2,800	210 00	0.014723	28.000	
	Salt.....						
	Carrots.....		2,925	17 55	17.55	22.25	
	Total.....		522,718	\$6,010 76	\$0.3615176	321,018.8	

**Recapitulation.**

MATERIAL.	Pounds.	Cost.	HORSES PER DAY.		Number of Horses Fed.
			Cost.	Fed out, Pounds.	
Hay .....	1,434,721	\$12,903 63	\$0.12	14,337 1	Sanitary Division, 70,610 Street-Cleaning Division, 28,765
Oats .....	1,467,200	20,387 98	0.20	14,753 59	
Shorts .....	33,125	347 16	347 16	331 25	Total, 99,375
Straw .....	215,936	1,604 96	0.0151121	2171 86	
Corn .....	203,392	1,864 25	0.0157000	210 42	Average number per day:
English vegetable food.....	14,000	1,050 00	0.01 5625	140 00	Sanitary Division, 19*
Salt .....	.....	8 18	818	.....	Street-Cleaning Division, 79
Carrots .....	11,285	67 71	6771	112 85	Total, 272
	3,879,659	\$38,233 97	\$0.3847147	34,993 75	

70,610 Sanitary Division horses (average per day ..... 193) } @ \$0.3847147 = \$27,166 80  
 28,765 Street-Cleaning Division horses (average per day ..... 79) } @ \$0.3847147 = 11,067 17

99,375 horses (average number per day) ..... 272 @ \$0.3847147 = \$38,233 97

## HOUSE-OFFAL.

There are employed in removing house-offal 195 men and 91 wagons. The offal is removed from dwelling-houses twice a week during the summer months and once a week during the winter; from hotels, markets, and restaurants it is removed daily. There are sixty-two routes. The men are required to enter the yards, collect the offal, and empty the same into wagons, then drive to one of the depots, located as follows: One on Albany street, one on Highland street, Roxbury, and one at the Almshouse, Charlestown; also to the dumping-boat wharf on Atlantic avenue.

The offal is sold to farmers of adjoining towns mostly; the balance is dumped on the scow and carried to sea. About 10 per cent. of the quantity collected during the past year has been disposed of in this manner.

During the past year the collection of house-offal in the Dorchester District was let out by contract; this makes three districts let out by contract for the collection of house-offal.

The New England Construction Company made an agreement during the year to dispose of all house-offal collected under the McShane contract at the rate of \$2,500 per year; their plant was erected on land owned by the city of Boston on Gibson street, Dorchester, and is now in running order.

## HOUSE-DIRT AND ASHES.

In the collection of house-dirt and ashes there are employed 207 men and 159 carts. This material is removed from hotels, tenement-houses, and stores daily; from dwelling-houses once a week. There are eighty-two regular routes. The City Ordinances of 1892 require that house-dirt and ashes shall be kept in an easy, accessible place for removal, the men being obliged to enter yards and areas, remove receptacles to the sidewalk, where their contents are loaded upon teams. The receptacle is then replaced in its original position. The material is disposed of, if possible, on low lands, being used for filling, and also dumped on scows to be carried to sea. Of the amount collected last year, 29 per cent. was disposed of at sea.

Three sections of the city were let out by contract, to wit: territory lying west of Dorchester street, South Boston, part of Dorchester lying north of Park, School, and Harvard streets. also East Boston; making a total of six ash contract districts.

## Horse Account.

1894.		Dr.	1894.		Cr.
Jan. 1.	On hand,	202	Feb. 1.	Transferred to Street-Cleaning Division,	1
July 28.	Purchased,	1	Feb. 19.	Died,	1
Oct. 30.	"	1	Mar. 2.	Returned Paving Div.,	1
Dec. 6.	"	6	April 17.	Died	1
" 13.	"	1	May 15.	"	1
			" 22.	Sold,	2
			" 29.	"	4
			June 5.	Killed,	1
			" 7.	"	1
			Sept. 27.	Died,	1
			Dec. 15.	"	1
			" 27.	"	1
			" 31.	"	1
			1895.		
			Jan. 19.	"	1
			" 31.	On hand,	193
Total,		211	Total,		211

## ORGANIZATION.

1 deputy superintendent.	4 watchmen.
4 clerks.	3 feeders.
3 foremen.	6 messengers.
1 captain of scows.	7 stablemen.
6 sub-foremen.	12 yardmen.
1 inspector.	16 dumpers.
9 mechanics.	188 ash-cart drivers and helpers.
8 talley-men or aids.	136 offal-cart drivers and helpers.
	405 employees.

The mechanics of this division are engaged in the painting of carts, street signs, wagons, etc., shoeing of horses for the Paving, Street-Cleaning, and Sewer Divisions, also the making and repairing of harnesses.

## APPENDIX D.

REPORT OF THE DEPUTY SUPERINTENDENT OF  
THE SEWER DIVISION.

CITY HALL, ROOM 44, BOSTON, February 1, 1895.

MR. B. T. WHEELER, *Superintendent of Streets*:

SIR: The following report of the expenses, income, and business of the Sewer Division, from February 1, 1894, to February 1, 1895, together with a brief statement of the present condition of the sewers and other property, the work done this year, and what should be done in the near future that the efficiency of the sewers may be improved, is respectfully submitted.

The Sewer Division has charge of the following work:

1. The maintenance and construction of all common sewers and catch-basins.
2. The maintenance of the Main Drainage Works.
3. The maintenance of Stony brook.
4. The maintenance and construction of all street culverts.
5. The preparation of plans and the engineering and supervision required on the construction and maintenance of all work connected with the division.
6. The granting of permits for all connections to be made with the common sewers, and the custody of bonds filed by drain-layers authorized to make such connections.
7. The levying of assessments on estates benefited by the construction of sewers.

Ninety thousand eight hundred and two (90,802) lin. ft. of sewers have been built during the past year by the city, and twenty-four thousand eight hundred and seventy-seven (24,877) lin. ft. have been built by private parties according to the plans and under the inspection of this division and accepted by the city under the usual forms of release.

## CITY PROPER AND BACK BAY DISTRICTS.

The sewers in Hull, Beverly, Commercial, Fayette, Falmouth, and Caledonia streets are broken down or settled to such an extent as to require rebuilding.

The main sewer in the two streets last named is very badly settled and has been shored up for years; if it fall in, it will cut off the drainage of a considerable territory.

The sewers in the Canal-street district remain in practically the

same condition as they have been since 1883, filled with sewage and sludge. The level of the sewage in the system has been lowered a little by the building of the sewer in Lancaster street last season, and will be reduced a little more upon the completion of the sewer in Merrimac street now building, but the benefit so obtained must be considered as a slight relief only, not a remedy. The condition of this system of sewers was fully discussed in the report for 1891, to which reference is made. The building of the relief sewer therein described, across the city, has been postponed on account of the uncertainty in regard to the proposed subway, the route of which crosses that of the proposed sewer. But the work need not be longer deferred, as the plans for the subway are now sufficiently well defined as to show that, if built, it will only cause an unimportant deviation in the route of the sewer. There is no other large district in the city in which the sewers are in such a deplorable condition; the fact that much of it is occupied by tenement-houses makes the case worse.

In 1888-89 a large main sewer was built from Fort Point Channel through Mt. Washington avenue, Federal and Essex streets, to the corner of Kingston street, intercepting at this point the heavy flow of sewage and storm water which formerly flooded out the district in the vicinity of Beach street. The underlying idea was to isolate the Beach-street district from the rest of the system, and connect it directly with the intercepting system, in the same manner as the Dover and Dedham streets district have been treated, so that it, like them, might receive the benefit of direct connection with the pumps, and its low cellars be thereby ensured against flooding. An essential feature of the scheme is to shift the district regulator from Dover street to a point upon the east side interceptor north of Beach street, and to build small regulators at the connections of the Harvard and the Oswego streets sewers.

These three regulators have not been built; the system, therefore, does not operate as designed. Moreover, the Harvard-street sewer, where it crosses the interceptor, is reduced in size. The plan for the regulator at this point comprises an enlargement of the sewer; the fact that cellars in this district have been flooded during storms shows that such enlargement is necessary.

The work of building these three regulators, to complete the system, although difficult and expensive, should not longer be delayed.

Incidentally it should be mentioned that the old wooden 4 x 5 ft. box sewer in Federal street, now practically unused, should be filled with gravel in order to ensure the safety of the street, as it will rot and fall in.

Attention has been repeatedly called to the condition of the sewerage of the Faneuil Hall markets; plans are ready for a satisfactory system, and the work should be done before warm weather.

Throughout the greater portion of the Back Bay territory the sewers have been built in the passageways between the main streets, instead of in the main streets, as in the remainder of the city. This system, although an excellent one as far as conven-



OLD WOODEN SEWER—DOVER STREET.





ience in sewerage the houses is concerned, and in preserving the surface of the streets from being dug up in putting in house connections, has this defect, that it supplies nothing for the drainage of catch-basins in the streets.

In many places catch-basins have been needed for many years, but have not been built because there was no sewer in the street to drain them into; an investigation of this matter has been made by this office, in consultation with the City Surveyor's office, and an estimate made of the number of catch-basins and amount of surface drainage needed to make up those deficiencies.

One hundred and thirty-three catch-basins and 7,000 linear feet of pipe sewers and surface drains will give an adequate system of surface drainage for the public streets of the Back Bay.

The four principal systems of sewers in the Back Bay, whose outlets are at Berkeley, Dartmouth, Fairfield, and Hereford streets, have very little storage capacity, and there have been complaints of flooded cellars during unusually heavy storms which occur at the time of high tide. The overflow outlets of these systems into Charles river should be enlarged, including the tide-gates, and considerable relief would be afforded in this manner.

In Charlesgate East there are twelve catch-basins connected with the sewer, which is a tributary of the Hereford-street system; these should be disconnected, and connected into the covered channel of Stony brook which lies in the same street. A large amount of surface water would be kept out of the sewers by this inexpensive change.

No sewer has been built as yet to drain the houses on the water side of Beacon street, and the sewage of these houses continues to pollute the water of Charles river. A plan has been made for a sewer in the passageway on the bank of the river, but nothing built yet except the connection with the Beacon-street sewer at the corner of Hereford street.

If a boulevard is to be built on the bank of the river, this sewer can be built more cheaply in conjunction with it; if not, it might as well be built at once.

Wherever there is a sewer outlet into a dock the city is periodically called upon to pay damages on account of the shoaling of the dock, caused, it is alleged, by the material thrown into it by the sewer. Where the common sewers are not intercepted, but flow continuously into the docks during dry weather, there is some ground for this claim; but around the city proper, the common sewers have all been tapped by interceptors and the dry-weather flow conveyed away, and nothing flows out of the old outlets except during storms, and then the flow consists of storm water and greatly diluted sewage only.

Yet, nevertheless, in numerous cases it becomes necessary to dredge a dock in which a sewer outlet exists; the city is invited to pay the bill, and if it refuse it has to stand suit. These suits are hard to defend, because it is difficult to make a jury understand the operation of the common sewers as affected by the intercepting system. The most conspicuous facts are, that there is a sewer which sometimes flows into the dock, and that dock has become

partially filled up; and it is impossible to distinguish between deposits caused by a sewer and the ordinary shifting silt of the harbor.

A systematic series of observations should be made, extending over a series of years, to determine the rate at which docks silt up where there is a sewer outlet and where there is none. The subject furnishes a strong argument in favor of the public ownership of docks.

*Work done during 1894.*

Five thousand three hundred and seventy-seven linear feet of sewers have been built by the city, either by contract or day labor, and 160 feet by private parties.

In Dover street there is an old wooden box sewer 5×6 ft. which has been in very bad condition for over fifteen years; the illustration shows a section of it thrown over to one side and wrecked. As it did not actually fall in, it was not rebuilt; but when the raising of the Dover-street bridge made it necessary to grade Dover street up, it was not thought judicious to put any more weight upon it without strengthening it. It was therefore decided to line it with masonry or build a brick sewer inside of it. The photograph shows a section of this work. Where the old sewer was found to be tipped over and thrown off line too much, for this it was opened up from the surface and rebuilt in open cut, more piles being driven to furnish a foundation wherever necessary.

A new sewer has been built in Lancaster street, and one is in progress at this time in Merrimac street, which connects with the west side intercepting sewer, and will lower the level of the water in the Canal-street system of sewers to some extent.

CHARLESTOWN.

The Hoosac Tunnel Dock outlet, a large wooden box sewer, has been repaired, and sewers built in Mishawam and Boyle streets.

The Somerville branch of the Metropolitan sewer having been completed in Arlington avenue, the system of sewers projected in the Alfred-street district may and should now be built.

The connections with the Metropolitan, eleven in number, should also be made this year. There are a large number of old defective sewers, built of slate, wood, and brick, which should be rebuilt, as they are not fit to be connected with the Metropolitan system on account of the quantities of ground water which they admit.

*Work done during 1894.*

Four hundred and twenty-two linear feet of sewers was built by the city, none by private parties, and nothing requiring special attention.

EAST BOSTON.

Jeffries, Decatur, and Brooks streets outlets should be rebuilt, and the outlet at Dock 13 extended.

Nothing has been done to the Porter-street outlet, and the



MASONRY CONSTRUCTION WITHIN DOVER-STREET SEWER.



sewage escapes along its entire length, and is distributed over the flats.

Repairs on this old box sewer are expensive and ineffectual, as the ice of the succeeding winter strains it apart again. It should be rebuilt of wood, upon a substantial pile foundation, and of such size and form as to serve subsequently as the foundation for a brick sewer. All the ashes collected by the Sanitary Division in East Boston should be hauled to it, to form an embankment to protect the new structure from the ice, and when such embankment has attained the proper size and solidity, the permanent brick sewer may be built.

The Havre-street sewer, between Meridian and Sumner, has not been rebuilt, as recommended last year, but should be this year.

Last year's report stated that work was about to be started on an outlet sewer for Leyden street, west of Breed street; this was postponed, and has not been done, but should be built without further delay, as a large number of houses on this street lack sewerage.

The new main sewer in Chelsea street, near Chelsea-street bridge, also mentioned last year, should be built, as it will afford an outlet to a number of neighboring streets.

A connection with the Metropolitan intercepting sewer has been allowed at the corner of Orleans and Gove streets, at the request of this department, and the Orleans-street sewer has been started.

This sewer will do away with the damming up of the sewers at this point, and will convey the storm water from a large section directly to the Porter-street outlet, thereby relieving the overcrowded condition of the sewer in Bremen street to some extent. This relief will be complete when the Porter-street outlet is rebuilt of adequate size.

The building of the Metropolitan intercepting sewers in Bremen and Porter streets has caused some damage to the common sewers in those streets.

When the back filling in these trenches has become sufficiently well settled these sewers will need repairing, and the arch of a portion of the Bremen-street sewer will have to be rebuilt.

The Metropolitan intercepting sewers being now practically completed, connections may be made; the ordinary regulators and sump manholes will have to be put in at each connection, of which there are twelve, which may be built this year, and three more after building 2,500 feet of pipe sewer in Condor, Glendon, and Eagle streets.

#### *Work done during 1894.*

Thirteen hundred and twenty-three linear feet of sewers have been built by the city; none by private parties.

Morrison's wharf outlet has been repaired, and a row of piles have been driven along the edge of the wharf as far as the sewer extends to protect it from the action of the ice, by which it has been injured, more or less, every winter in the past.

Eagle-square outlet, which was nearly choked up by the banks of filling near by, has been extended 250 feet, which is sufficient for the present.

The Paris-street sewer, from Wesley to Edgeworth place, has been rebuilt. Many complaints have been received on account of the settlement and breaking down of this sewer.

#### BRIGHTON DISTRICT.

The main sewers for the systems for the western part of the district — called the Faneuil Valley system — having been built, any streets requiring sewers in this vicinity may now be accommodated. A branch main sewer has just been started on Lake street. This sewer will receive eventually the sewage from a large tract of land in Newton; and as this city is sewered upon a separate principle, it has been found expedient to build the Lake-street sewer upon the same principle, although the remainder of the system is built upon the combined principle, supplemented by relief overflows for storm water into the water-courses at all convenient points.

Hobart street and the streets upon Bigelow Hill may now be drained.

A sewer should be built in Nonantum street, between Oak square and the Newton line. The sewage from the houses on the west side of the street must at present seep out of cesspools or flow over the surface from privies into the brook at Tremont street.

On Commonwealth avenue everything necessary for drainage of any kind has been built as far as Warren street, except a few catch-basins near the latter street, and except the structures required in that part of the avenue crossing the marshy hollow just west of Cottage Farm station, where the settlement of the filling has not yet ceased.

The outlet sewer for this whole Commonwealth-avenue system, known as the Salt Creek outlet, from the Boston & Albany Railroad to the Metropolitan sewer, will require strengthening. The soil of the marsh through which it is built is of very light and spongy character; and the covering of this material — which was the only material accessible without considerable expense — has not proved to have sufficient weight to afford the lateral support to the sewer which is necessary.

The district bounded by Chestnut Hill avenue, Union street, Washington street, Commonwealth avenue, and Sidlaw road is being cut up into streets by the Westminster Land Company. Part of this district will drain into Union street and Chestnut Hill avenue; and the sewers in these streets will afford but a poor outlet for the new sewers to be built in this district, on account of the fact that they are overcharged now far beyond their capacity by the admission of the water of the brook which flows through this valley. Unless this surface water is excluded from the sewers and restored to the brook channel, it will probably be necessary to sewer this district with an expensive separate system of house sewers and surface drains.

The remainder of the district will drain into Commonwealth avenue, near Chestnut Hill avenue, and eventually into Brookline.

The district between Commonwealth avenue, Washington street, Chestnut Hill avenue, and the Brookline line has many streets

laid out by the Aberdeen Land Company. Some of these streets have surface drains, and one street, viz., Englewood avenue, has a sewer built by the city. This whole district drains into Brookline, and must be provided with house sewers and surface drains.

*Work done during 1894.*

Thirty-two thousand six hundred and sixty-four linear feet of sewers have been built by the city, and 377 feet by private parties.

This includes the mains of the Faneuil Valley system, and the practical completion of the sewers and surface drains of Commonwealth avenue as far as Warren street, and of the outlet sewer for the system.

SOUTH BOSTON.

The main sewer in Dorchester avenue, from its outlet at Fort Point Channel to Broadway, should be rebuilt, the portion between First street and Broadway being entirely rotten.

The sewer outlets on the southern shore of the peninsula, at N, K, I, and H streets, have all been destroyed by ice. The one at N street should be rebuilt immediately, after the pattern of the outlet at Denny street, Savin Hill. The building of the others may be delayed until the Park Department has deposited part of the filling for the proposed boulevard, which will protect them.

Defective outlets at B and Seventh streets, and at D street, cause trouble in the sewers of the south-western part of the peninsula. A comprehensive plan for uniting these and rebuilding the defective D-street sewer has been prepared by this department. This plan is also a means of draining effectively the depressed part of D street, at the Old Colony Railroad crossing.

The South Boston intercepting sewer has no proper overflow for relief when shut off from the main interceptor by the regulator.

A plan has been prepared for such an overflow sewer upon the location of the old Kemp-street sewer. The sewer in Mercer street should be rebuilt of larger size, to do away with flooding of cellars on Mercer and Yale streets.

*Work done during 1894.*

Three hundred and fifty-eight linear feet of sewers have been built by the city, and none by private parties. Nothing requiring special mention.

DORCHESTER DISTRICT.

A sewer system is needed for the northern half of the Savin Hill peninsula similar to the system built in the southern half; that is, a separate system of house and storm sewers. The house-sewer system would connect with the Dorchester interceptor in Sydney street.

At Dorchester Lower Mills advantage has been taken of the completion of the Lower Mills main sewer to build sewers in some of the streets; but there are other streets which need sewerage, and which may now be sewerage, such as River, Monson, and Idaho streets, and parts of Temple, Morton, and Washington streets.

Between Lawrence and Geneva avenues a main sewer will have to be built through private land parallel with Blue Hill avenue, and crossing Stanwood avenue. Geneva avenue, between Wilder street and Washington street, cannot be sewerred until this main is built. The Lauriat and Chapman avenues district, also the Nelson and Corbet streets district (sometimes called the Forest-avenue district), continue to call for sewers, and up to the present time, in vain. The difficulty of sewerred this district, and the various routes by which it may be done, were very fully discussed in the report of the Street Department for 1892.

In short, it involves a low, level sewer, starting at the Dorchester intercepting sewer and running through Park and West Park streets, cutting through the bounding ridge of the Stony brook water-shed in tunnel, and costing, for a rough estimate, \$250,000. As any tunnel sewer to reach this district would take several years to build, it was also proposed to erect a small pumping-station, and pump the sewage of this district into the Talbot-avenue sewer, as a temporary expedient.

A petition was received in 1893 that this scheme be carried out; there does not seem to be any other means of affording sewerage to this region within a reasonable time.

An effort has recently been made to have a sewer built up Morton street, cutting through the ridge low enough to sewer Nelson and Corbet streets, leaving the rest of the district out. The objections to this plan are the large expense to be incurred for only a partial solution of the problem, and the fact that the sewer would have to be built for a long distance through an uninhabited country where nobody needs it.

A sewer has been projected through Adams and Rosemont streets, to drain all that valley, afford better sewerage to Carlisle street, and make it practicable to build a sewer in Melbourne street, and also incidentally to relieve the overcrowded Centre-street sewer by withdrawing a portion of its flow through Carlisle street; this important main is badly needed.

#### *Work done during 1894.*

Fifteen thousand and seventeen linear feet of sewers have been built by the city, and 17,036 linear feet by private parties. The Dorchester Lower Mills main sewer has been completed, and lateral sewers may now be built throughout the village of Lower Mills.

A sewer is under construction in Geneva avenue, between Bowdoin and Wilder streets, which will afford an outlet for a number of streets between this avenue and Washington street.

#### ROXBURY DISTRICT.

The Harrison-avenue and Northampton-street sewers are settled so badly as to make it impossible for workmen to have access to them to clean them out, unless a steam-pump should be used to keep the water down; they should be rebuilt.

As these sewers lie upon unusually deep beds of mud, pile



foundations would be very expensive; a form of construction similar in principle to that employed on Fellow street might be used. This Fellows-street sewer was a pipe sewer upon the same kind of a mud bed. It was relaid last year, supported by a wide timber platform having a longitudinal stringer upon each side, which was built up in the trench of strips forming a continuous built-up beam. A recent examination showed it to be in good condition, not having settled appreciably under the weight of the back-fill. Harrison avenue and Northampton street require sizes too large for pipe, but the plan could be modified to adapt it to the support of a brick sewer.

The sewers in Halleck and Ward streets should be rebuilt.

The sewer in Huntington avenue, between Rogers avenue and Gainsborough street, which was built in 1882, is in a very dangerous condition, the arch in some cases being flattened to the level of the springing-line; also, the manholes are in a very dangerous condition.

Unless this sewer is attended to very soon it will probably cave in, as the electric cars running on the avenue cause a very noticeable vibration inside the sewer.

In the district bounded by Hammond, Tremont, Lenox streets and Shawmut avenue the cellars are but little above the level of the sewers, and are flooded by the surface water which enters the sewers in storms.

A plan has been prepared for building new house sewers at a lower level, utilizing the existing sewers for surface water, thus developing a separate system for this district; but nothing has been built.

Another district, bounded by Culvert, Tremont, and Davenport streets, and the Providence Division of the New York, New Haven, & Hartford Railroad, is in a similar condition, and a similar plan was worked up for it. The extension of Columbus avenue now cuts through this territory; the plan has been modified to suit the change, and some of the sewers required will be built in constructing that avenue.

There are numerous sources of pollution along the old channel of Stony brook between Huntington avenue and the Roxbury crossing which cannot be removed until pipe sewers are built on each side of the brook channel back of the walls, and in some places in the bottom of the channel itself.

This subject was thoroughly discussed in the report of 1892.

About 3,050 linear feet of pipe sewers will be required; none have been built.

Dorchester-brook sewer has been built from the South bay to the point where it leaves Norfolk avenue, running through private land from Clifton street.

The new brick channel should be extended about 600 feet, as this portion of the old sewer is a stone arched channel, with no covering over the arch, and so small that the floods sometimes crack and lift the arch.

Complaints have been received at various times of floodings in Guild row; a plan was prepared several years ago for extending

the large Vernon-street sewer up to Washington street to remedy the trouble; but it has never been built.

At Notre Dame street there is much trouble from flooding; the sewers here are too small; an overflow into an old water-course now fails to give relief, because of the partial obliteration of the latter.

The extension of Columbus avenue will afford an opportunity to build a relief sewer for this vicinity.

The sewer in Vila street is the main for quite a large territory; it connects with the Metropolitan sewer, but has no overflow. Before any catch-basins can be connected with this sewer or its tributaries it should have a storm-overflow sewer built to connect it with the cover channel of Muddy river in Brookline avenue.

#### *Work done during 1894.*

Twenty-two thousand four hundred and forty-seven linear feet of sewers have been built by the city, and 2,807 feet by private parties. A large main sewer is in progress in Massachusetts avenue, east of the Roxbury canal, which will afford sewerage to a large territory bounded by Swett and Magazine streets, Norfolk avenue and Gerard street. In Parker street a brick sewer has been built from Bryant street to Westland avenue, which is low enough to be extended, and furnish an outlet for sewers in the low territory lying between Parker street, Massachusetts avenue, and Westland avenue.

#### WEST ROXBURY DISTRICT.

The district in the vicinity of South, Anson, and St. Mark streets should be sewered, the outlet sewer to run through private land from South street to Washington street, there to connect with the Roslindale main sewer. It will cross the location of the Providence R.R., and this section at least must be built before the tracks are raised.

Another branch of the Roslindale main sewer should be carried from the northerly of the two intersections of South and Washington streets to the extreme north-westerly point of Florence street, in order to afford sewerage to Florence, Sycamore, Brooks, and Ashland streets and the neighborhood of Mt. Hope Station.

North of Roslindale Village lies the neighborhood of Hewlett and Arundel streets, a swampy region, unsuited to cesspools. Sewers should be built here; the petitions date back to 1886.

At the request of interested citizens the grade of the sewer being built in Maple street, from the main sewer in Centre street, was depressed, and the sewer run through the divide low enough to take a part of the territory lying on the Charles-river side of the ridge. Portions of Weld, Ruskin, Pomfret, Westover, Willow, Corey streets, and Garfield avenue may now be drained into it.

The only other region in West Roxbury calling for special

mention is the valley of the Spring-street brook. This is quite thickly settled, and its sewage pollutes the above-mentioned brook, which flows into Charles river above the point where Brookline, Newton, Needham, Wellesley, and Waltham get their water-supply. A scheme of pumping the sewage of this place back over the ridge into the Roslindale main sewer at Mt. Vernon street has been recommended by this department as a temporary expedient, to last until such time as an intercepting sewer can be built down the valley of Mother brook and the Neponset river to join the Dorchester interceptor at Central avenue. In a recent report by Mr. Jackson, City Engineer, on the drainage of the Charles-river water-shed in West Roxbury, the pumping scheme is condemned, for various good and sufficient reasons, as a *permanent* solution of the question.

It was not recommended as a permanent solution, but only as a temporary expedient. It appears from the City Engineer's report that it will require about  $7\frac{1}{2}$  miles of intercepting sewer to be built, at a cost of \$380,000 (exclusive of land damages) to reach Spring street; and will require the concurrent action of Boston, Hyde Park, and Dedham, probably practicable only by action of the Legislature. In view of the length of time likely to elapse before this can be accomplished, it would still seem that the pumping scheme offers the only means of relieving this district within a reasonable time. Upon the completion of the interceptor the local sewers would all drain into it, and the pumping would be discontinued; the only portion of the system which would then be useless would be the force main; the system of local sewers would be substantially the same as recommended by the City Engineer.

The question of the advisability of building this pumping system depends wholly upon the length of time during which it is likely to be in use, that is, whether this time is likely to be long enough to justify us in incurring the expense of the temporary portions of the scheme; namely, the force main and the pumping plant. This time will be the time which will elapse between the completion of the interceptor by way of the valley of Mother brook.

#### *Work done during 1894.*

Thirteen thousand one hundred and ninety-four linear feet of sewers have been built by the city, and 4,497 feet by private parties. A branch of the Roslindale main sewer has been carried across the tracks of the Dedham Branch R.R. at Highland Station, to form an outlet for Clement avenue, Park and Bellevue and contiguous streets.

#### MAIN DRAINAGE WORKS.

The amount of sewage handled by this branch of the Sewer Division is increasing quite rapidly, not only by the amount due to the annual increase in the mileage of the common sewers of the city, but by the addition of the systems of the suburban districts in the Charles-river valley. During the last two years the sewer

systems of Brookline, Brighton, Newton, Watertown, and Waltham have been added, and the town of Milton, in the Neponset valley, is looking for accommodation shortly.

The amount of sewage from these districts will increase annually, and unless action is taken very soon towards increasing the pumping capacity of the plant at the pumping-station the pumps will not be able to handle properly the sewage coming to them.

It will take two years to get a new pump built, set up, and in operation, if action in the matter is taken immediately, and the urgency of it can be seen from the fact that even the average daily amount pumped last year is 70% of the capacity of the plant when all the pumps are working, and it is sometimes necessary to shut down a pump for repairs for a week at a time.

A high-level intercepting sewer was included in the original design of this system, to be built when the increase in the amount of sewage should show the necessity for it. It consists of a system of intercepting sewers to be built through Dorchester, Roxbury, and Brighton, that will intercept all the sewage above grade 40 and carry it to the outlet at Moon island by gravity.

Although attention has been called to this in a previous report no action has been taken towards providing for its construction. It should be considered without delay, as it would help relieve the pumps of the present tax upon their capacity.

The force in charge of the main and intercepting sewers has been taxed to keep up with their work for the last year. The addition of a number of new connections to the system has increased greatly the amount of ironwork to look after, and the points that have to be inspected during every storm. The headquarters of this force, on Massachusetts avenue, should be put in proper condition. The men have to be on duty regardless of the weather, and the buildings are entirely inadequate for their use and comfort.

At the pumping-station the condition of the plant has been considerably improved since the last report. While, owing to a lack of appropriation, but a small part of the repairs necessary to put the plant in proper working condition have been done, still those that have been made are such that the cost of pumping has been reduced considerably.

The renewals of the valve seats of the pumps have been completed and the water ends of the pumps are in very good condition.

The pump records indicate that less sewage was pumped last year than the year before, but the reverse is the actual case. The discrepancy in the figures is caused by the difference in the slip of the pumps in the two years, it being greater in 1893 than in 1894.

Some of the principal repairs completed are: retubing the boilers; new sleeves in pump No. 1; relining of boxes on beam centres of No. 3 and No. 4, and of cam shaft on No. 3; new feed-water heater and feed pump; new steam-pipe from engine-house to filth-hoist; two new cages and chains at filth-hoist and repairs on hydraulics; re-covering of boilers No. 1 and No. 2, and a part of main steam-pipe.

A few of the repairs that cannot be deferred without liability of

having shut-downs, and the certainty of increased cost of maintenance, are the refitting of the gallery-gates, reabbating of main shaft boxes on No. 4 pump, the retubing of reheaters, new valve gear on pumps No. 1 and No. 2, and a new supplementary main steam-pipe. Without the latter the proper repairs cannot be made on the main pipe, as it is continually under a pressure of 100 pounds to the square inch.

The wharf needs reflooring, and should be extended about seventy feet, as suggested in a previous report.

The sludge tank, which is of wood, is decaying rapidly, and will soon have to be rebuilt.

The last test of the tunnel, to determine its condition as regards deposits, gave a coefficient of 115, which corresponds closely to that obtained a year ago.

The working condition of the plant at Moon island is good, with a few exceptions. The whole of the iron fence around the reservoir, which is set on the stone coping, had to be removed and reset. It is mostly machine-work, and takes considerable time, but is nearly completed.

There has been quite an amount of filling put into the cove, near the outlet, to prevent the nuisance caused by the deposit formed by the discharge. This trouble would be removed if the sea-wall, which is part of the original design of these works, and spoken of in previous reports, were built.

The turbine wheel which works the gallery gates will have to be replaced without delay. The sewage has so acted on the iron that it is next to useless.

The gates on the outfall sewer at the reservoir will all have to be refitted, as has been done on the discharge gates; but before this work can be done the boat chamber in the outfall sewer, which has been so much needed for other purposes as well, will have to be built.

New hydrants and piping in the reservoir are necessary, the latter having become so thin that breaks are frequent.

#### CULVERTS.

The city has built numerous culverts during the past year in the Brighton, Dorchester, and West Roxbury districts. In building street culverts the city labors under a great disadvantage, as elsewhere commented upon, from not having control of the water-course throughout its entire length. In almost every case the bottom of the culvert has to be depressed several feet below the general level of the bottom of the brook in order to obtain a waterway of sufficient size, and, at the same time, to provide for sufficient filling for the roadway over the top of it. The city has no right to enter upon private land and deepen the adjacent portions of the brook channel a corresponding amount. The connections of the culverts with the brook channels at each end are, therefore, necessarily unsatisfactory, and the culverts become settling basins, and would speedily become filled with sand and mud if not cleaned out. Culverts are usually built at those points in the course of the brook where the complaint is loudest of floods

caused by the insufficient size of the existing culverts, and the building of an enlarged waterway answers its purpose of freeing the city of the responsibility of the nuisance at this point; but the immediate effect is to transfer the flood to the next insufficient culvert down stream; and a new complaint arises, often accompanied by the allegation that the city is responsible for the damage, on account of having enlarged the up-stream culvert, and thereby let the water flow down more rapidly than it ever had before.

The proper way for the city to proceed, if it had the powers, and if funds were available or the cost were assessable, would be, as a matter of course, to begin at the outlet of a water-course and improve the channel and rebuild the street culverts systematically, always proceeding up stream. Another aspect of this subject deserves attention. Land-owners, in developing their land for building purposes, now proceed to lay out streets or grade those laid out by the Board of Survey, and having satisfied the requirements as to line and grade, obtain their acceptance by the Board of Street Commissioners, having meanwhile made only such provision (often no provision at all) for water-courses that happen to cross the location of their streets as their own judgment and penuriousness may suggest.

As soon as the street is accepted the responsibility for obstructing the stream at the crossing of the new street devolves upon the city, and entails upon it the expense of building a suitable culvert. No street should be accepted by the city until after it has been examined by the Superintendent of Streets, and the provisions have been made for water-courses, if any, have been sanctioned by him.

Sewer assessments have been made by this division for the year ending January 31, 1894, in accordance with Chapter 402 of the Acts of 1892, and amendments thereto, to the amount of \$154,401.73, and the bills have been deposited for collection with the City Collector.

Bills for sewer assessments, amounting to \$4,047.44, have also been deposited for collection, representing those estates assessed under Chapter 456 of the Acts of 1889 and amendments thereto, which have made connection with the public sewers during the year; making the total amount of assessments deposited for collection, \$158,449.17.

There remain on the books of this division at 5 per cent. interest \$36,422.33, representing the assessments under the Acts of 1889, and amendments thereto, for those estates which have not been connected with the sewers for which they were assessed, and bills for which will be deposited for collection as the connections are made. This sum represents 27.5 per cent. of the total assessments made under those acts.

Entrance fees to the amount of \$2,923.59 have been collected from estates upon which no sewer assessment was ever levied, in accordance with Chapter 36, Section 10, of the Revised Ordinances.

Two thousand one hundred and thirteen (2,113) permits have been issued to drain-layers to connect house drains with the public

sewers, or to replace old connections; and the work done under these permits has been inspected and a record of same made on the plans of this division.

The following amendments to the law for the assessment of sewers in the city of Boston have been passed by the Legislature during the year:

[CHAPTER 227.]

AN ACT RELATIVE TO INTEREST ON SEWER ASSESSMENTS IN THE CITY OF BOSTON.

*Be it enacted, etc., as follows:*

SECTION 1. Section six of chapter four hundred and two of the acts of the year eighteen hundred and ninety-two is hereby amended by adding at the end thereof the following words: "*provided*, that interest shall not begin to run upon sewer assessments until after the expiration of thirty days from the completion of the sewer on account of which the assessment is made"—so as to read as follows: Section 6. The provisions of sections sixteen, seventeen, and eighteen of chapter three hundred and twenty-three of the acts of the year eighteen hundred and ninety-one, and acts in amendment thereof shall, so far as applicable, apply to all assessments made under this act: *provided*, that interest shall not begin to run upon sewer assessments until after the expiration of thirty days from the completion of the sewer on account of which the assessment is made.

SECT. 2. This act shall take effect upon its passage. [Approved April 11, 1894.]

[CHAPTER 256.]

AN ACT RELATING TO ASSESSMENTS FOR THE CONSTRUCTION OF SEWERS IN THE CITY OF BOSTON.

*Be it enacted, etc., as follows:*

SECTION 1. Section three of chapter four hundred and two of the acts of the year eighteen hundred and ninety-two is hereby amended by inserting in the seventh line, after the word "parcels," the words: "But the number of linear feet of any such parcel which has been assessed for the building of any other sewer shall be reduced by one hundred in determining the number of such feet by which the proportions aforesaid shall be determined," so as to read as follows: Section 3. Said superintendent shall so apportion the said assessable cost to the parcels of land aforesaid that the amount apportioned to each parcel shall bear to the total assessable cost the proportion which the number of linear feet of each parcel on said highway or strip of land bears to the number of such linear feet of all such parcels; but the number of linear feet of any such parcel which has been assessed for the building of any other sewer shall be reduced by one hundred in determining the number of such feet by which the proportions aforesaid shall be determined, and as a lien shall attach to the parcel and to any buildings which may be thereon for such amount, as a part of the tax on such parcel. Said superintendent shall give notice of the amount of every such assessment and the interest thereon to the owner of the parcel liable therefor, forthwith after such amount has been determined.

SECT. 2. This act shall take effect upon its passage. [Approved April 16, 1894.]

**Financial Statement.**

Appropriations.	Balances on hand Feb 1, 1884.	Appropriations added during the year.	Total Credits.	Expenditures during the year.	Balances on hand Jan. 31, 1886.
Sewer Division .....	.....	<i>a</i> \$304,133 40	\$304,133 40	\$304,133 40	
Sewer between Roslindale and West Roxbury .....	.....	280 00	280 00	280 00	
Sewers, Brighton .....	2,486 47	.....	2,486 47	2,486 47	
Sewer outlets, East Boston .....	.....	<i>b</i> 1,800 00	1,800 00	1,800 00	
Sewers, South Boston .....	2,348 05	.....	2,348 05	1,081 80	\$1,266 25
Sewers, Ward 23, etc. ....	591 29	.....	591 29	591 29	
Surface Drain, Boylston street .....	.....	<i>c</i> 1,600 00	1,600 00	1,600 00	
Laying Out and Construction of Highways .....	24,275 56	395,421 92	419,697 48	419,697 48	
	29,981 37	\$702,955 32	\$732,936 69	\$731,670 44	\$1,266 25

In addition to the above there was expended on account of Paving Division for catch-basins, culverts, and sewers, necessitated by street construction, the sum of \$84,295.49; making a total of \$815,965.93.

*a* General appropriation..... \$320,000 00  
 Less transfers to County of Suffolk..... 15,000 00

Plus amount transferred by Auditor January 31, 1895, to pay special drafts..... \$302,000 00  
 2,133 40

\$304,133 40

*b* Transferred from Street Improvements, Aldermanic District No. 1.  
*c* " " Boylston-street Bridge.



## IMPROVED SEWERAGE.

Office salaries . . . . .	\$500 00
Pumping-station, inside . . . . .	50,417 89
Pumping-station, outside . . . . .	16,476 69
Engines and boilers . . . . .	8,919 07
Main and intercepting sewers . . . . .	12,887 22
Moon Island . . . . .	10,360 20
Tow-boat . . . . .	3,178 32
	<u>\$102,739 39</u>

## STONY-BROOK IMPROVEMENT.

Maintenance . . . . .	\$10,674 08
Retaining-walls . . . . .	1,274 73
	<u>\$11,948 81</u>
Stables and sheds, Brighton . . . . .	\$511 00
Yard, Revere street . . . . .	<u>\$2,933 05</u>

## MISCELLANEOUS.

Office expenses, including salaries of Deputy Superintendent, clerks, and draughtsmen, stationery, drawing materials, etc.	\$21,001 30
Engineering expenses, including salaries of engineers, instruments, etc.	27,541 70
Current expenses of yards and lockers . . . . .	19,866 93
Current expenses of stables, including cost of horses, vehicles, harnesses, etc. . . . .	\$37,005 98
Less amount earned by department teams . . . . .	8,388 65
Repairing sewers . . . . .	7,882 78
Cleaning and flushing sewers . . . . .	10,184 04
Cleaning catch-basins . . . . .	33,701 82
Repairing streets . . . . .	1,894 83
Building, repairing, and cleaning culverts and surface drains not included in the Stony-brook system . . . . .	69,421 88
Examining condition of sewers and catch-basins . . . . .	2,043 99
Work for departments and others, including inspection of construction of private sewers . . . . .	1,638 02
House connections . . . . .	4,168 37
Damages and claims . . . . .	5,161 23
Holidays . . . . .	15,905 25
Travelling and incidental expenses . . . . .	5,035 00
Repairs of department buildings, stables, and yards . . . . .	2,585 73
Engines and boilers and repairs . . . . .	1,598 20
Hardware, blacksmithing, and tools, not included elsewhere . . . . .	10,769 10
Rubber goods, not included elsewhere . . . . .	1,696 92
Stock and supplies, not included elsewhere . . . . .	5,814 12
General repairs . . . . .	512 60
Inspection of smoke . . . . .	955 50
	<u>\$277,996 64</u>
Less over credit on water-rates charged off to sewer construction . . . . .	2,471 56
	<u>\$275,525 08</u>

**City Proper.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Locality.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Batterymarch st. . . . .	Milk st. and Crab alley. . . . .	97.04	12-in. pipe.	\$308 45	Rebuilding. Old sewer re-
Bennet st. . . . .	Harrison ave. and Washington st. . . . .	82.33	18-in. pipe.	394 80	moved.
Billierica st. . . . .	Causeway st. and Minot st. . . . .	632.15	2 ft. 6 in. x 3 ft. brick	7,553 44	Rebuilding. Old sewer re-
Butler sq. . . . .	Chatham st. and Butler row. . . . .	64.88	12-in. pipe.	155 66	moved.
Chambers st. . . . .	Barton st. and Spring st. . . . .	104.17	12-in. pipe.	147 00	Building of brick sewer inside
Charter st. . . . .	Lime alley and Snowhill st. . . . .	136.31	12-in. pipe.	364 66	old box sewer.
Dover st. . . . .	South bay and Harrison ave. . . . .	442.00	3 ft. 4 in. x 4 ft. 6 in. brick.	15,985 06	Rebuilding. 320.5 ft. of old sewer removed.
India sq. . . . .	Atlantic ave. and India sq. . . . .	140.36	12-in. pipe.	693 90	44 ft. of old sewer removed.
Lancaster st. . . . .	Causeway st. and Merrimac st. . . . .	449.97	18-in. pipe.	2,273 98	Rebuilding. Old sewer re-
Lewis st. . . . .	Moon st. and North st. . . . .	212.71	12-in. pipe.	538 81	moved.
Merrimac st. . . . .	Causeway st. and Chardon st. . . . .	168.00	2 ft. 6 in. x 3 ft. brick	1,532 90	Rebuilding. Old sewer re-
Norman st. . . . .	Merrimac st. and South Margin st. . . . .	132.87	18-in. pipe.	483 54	moved.
North Margin st. . . . .	Cooper st. and Wigget st. . . . .	122.80	18-in. pipe.	504 51	Rebuilding. Old sewer re-
		2,785.59		\$30,936 71	

*Sewers built between February 1, 1894, and February 1, 1895, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892.*

Norway st. . . . .	Falmouth st. and Massachusetts ave.	322.44 462.00	12-in. pipe sewer. 6-in. pipe, house drain.		Rebuilt. Old sewer removed. Built by contract.
		87.00	10-in. pipe, C.B. drain.	\$1,561 43	
St. Germain st. . . . .	Dalton st. and Massachusetts ave. . .	523.69	6 catch-basins. 12-in. pipe, C.B. drain.		
		41.26	10-in. pipe, C.B. drain.	789 25	Built by day labor.
		4221.98	4 catch-basins.		
48 new catch-basins built and 116 repaired. . . . .					
				\$83,287 39	
				7,122 12	
				\$40,409 51	

*Surface Drains built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Boylston st. . . . .	Exeter st. and Hereford st. . . . .	1,027.52 127.89	12-in. pipe. 10-in. pipe.		
		1,155.41			

*Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.*

Chickering pl. . . . .	Washington st. and Harrison ave. . .	160.41	12-in., pipe.	Ordered by	Board of Health.
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**Charlestown.**  
*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Mishawum st., Ward 4.....	Main st. and Rutherford ave. ....	347.12	15-in. pipe.	\$1,121 88	Rebuilt.
12 new catch-basins built and 47 repaired.....				4,463 92	
				\$5,585 80	
<i>Surface Drains built between February 1, 1894, and February 1, 1895, either by Contract or Day Labor.</i>					
Boyle st., Ward 3 ...	Pleasant st. and Cordis st.,	75.00	12-in. pipe.		

**East Boston.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Byron street, Ward 1	Saratoga and Pope streets	250.30	.....	\$178 89	Built in 1893.
Eagle-square outlet	Old outlet and 250 feet northerly	250.30	4 ft. X 5 ft., brick.	2,123 59	Built in 1893.
Curtis street, Ward 2	Saratoga and Chaucer sts.	214.00	3 ft. X 3 ft., wood	167 89	Built in 1893.
Morrison's dock	Old outlet and end of sea-wall	88.00	3 ft. X 3 ft., wood	1,949 71	Rebuilt. New sewer.
Orleans street, Ward 2	.....	.....	.....	234 00	Just begun.
Paris street	Wesley and Edgeworth sts.	616.02	18-in., pipe.	1,569 22	Rebuilt.
Prescott street, Ward 2	Bennington to Saratoga st.	12.83	12-in., pipe.	65 50	Built in 1893.
Summer street	Over B., R. B., & L. R.R. Tunnel	65.15	20-in., iron pipe.	726 82	Rebuilt. Labor paid for direct by B., R. B., & L. R.R. Co.
Webster street, Ward 2	Over B., R. B., & L. R.R. Tunnel	76.60	24-in., iron pipe.		
		1,322.90		\$7,010 62	
14 new catch-basins built and 99 repaired				7,643 09	
				\$14,653 71	

**Brighton.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Bigelow st., Ward 25.	Oak sq. and Webster st....	{ 566.72 450.70	10-in., pipe. 12-in., pipe.	} \$1,823 27	Contract.
Commonwealth ave., both sides, Ward 25, No. 6.....	209 ft. E. of St. Paul st. and Pleasant st. ....				
Commonwealth ave., outlet in private land, Ward 25, No. 5.....	B. & A. R.R. and Commonwealth ave. ....	1,749.52	12-in., pipe.	4,055 74	North side, 874.62 ft. built by contract.
Commonwealth ave., north side, Ward 25, No. 2.....	160 ft. E. of Harvard ave. and Warren st.....	1,081.80	2 ft. 6 in. X 3 ft. 9 in., brick.	8,868 72	
Commonwealth ave., both sides, Ward 25, Nos. 3 and 7. }	160 ft. E. of Harvard ave. and 515 ft. E. of Malvern st.....	{ 600.60 1,483.70	3 ft. 6 in. X 3 ft. 9 in., brick. 2 ft. 4 in. X 3 ft. 6 in., brick.	} 933 69	
Commonwealth ave., both sides, Ward 25, No. 4.....	515 ft. E. of Malvern st. and Pleasant st.....	{ 99.00 1,547.80	15-in., pipe. 12-in., pipe.	} 6,480 01	
Duck lane, Ward 25.	Western ave. and Smith st.				

FANEUIL VALLEY SEWER:						
Outlet in Parsons st. and private land, Ward 25.....	Met. main sewer and Charles river.....	114.46 13.00 125.00	3 ft. 9 in., circu- lar brick. 5 ft. 6 in., circu- lar brick. 5 ft. X 5 ft., wood.	\$3,553 18	1 tide-gate, M. H.	
Parsons st., Ward 25.	Met. main sewer and Fan- euil st.....	14.16 766.90 12.00 102.05	24-in., pipe. 3 ft. 9 in. X 3 ft. 11½ in., brick. 48-in., iron pipe. 4 ft. 3 in. X 4 ft. 6 in., brick.	12,014 53	Overflow, tide-gates, and connection with Met. main sewer.	
Regulator and sump.	.....	19.00 976.35	48-in., iron pipe. 4 ft. 3 in. X 4 ft. 6 in., brick.	1,200 14		
Faneuil st., Ward 25.	Parsons st. and Oak sq. ....	1,222.01 1,328.24	3 ft. 9 in. X 3 ft. 11½ in., brick. 3 ft. X 3 ft. 2¼-in., brick.	31,419 47		
Fairbanks st., Wd. 25.	Faneuil st. and Wash. st. ....	12.60 710.40 42.07	48-in., iron pipe. 3 ft. 9 in. X 3 ft. 11½ in., brick. 4 ft. Cir. brick.	8,980 02		Overflow and tide-gates.
George st., Ward 25. Lake st., Ward 25. .... Market st., Ward 25.	Spring and N. Beacon sts. 130 ft. south of school and No. 68. ....	432.24 250.40	4 ft. 9 in. X 5 ft. 0¼ in., brick 12-in., pipe.	297 11 275 80		Just begun.
Market st., Ward 25.	No. 68 and Wexford .....	.....	.....	290 14 932 67		Built in 1893. Built in 1893.
Carried forward..	.....	17,101.65	.....	\$112,763 80		

**Brighton.**— *Continued.*  
*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
<i>Brought forward.</i>		17,101.65	.....	\$112,763.80	
North Harvard st., Ward 25. ....	Spurr st. and Western ave.	{ 15.20 169.05	{ 15-in., pipe. 24-in., pipe.	{	One sump manhole, one regulator man- hole, and connection with Met. main Sewer.
Oak sq. and Tremont st., Ward 25. ....	Faneuil st. and Newton and Boston line. ....	{ 294.05 1,089.73	{ 15-in., pipe. 12-in., pipe.	2,838.94	Contract.
Rena st., Ward 25. .	.....	.....	.....	61.27	Built in 1893.
Spring st., Ward 25.	.....	.....	.....	290.83	Built in 1893.
Washington st., Wd. 25. ....	Fairbanks st. and Foster st. ....	{ 715.37 362.23 347.20	{ 3 ft. 9 in. X 3 ft. 11½ in., brick. 18-in., pipe. 15-in., pipe.	{	
Washington st., Wd. 25. ....	Fairbanks st. and Oak sq.	{ 174.70 24.00 68.44 555.00	{ 12-in., pipe. 12 in., iron-pipe. 12-in., pipe. 15-in., pipe.	{ 20,110.11	Overflow manhole and chamber and tide-gate manhole.
Wexford st., Wd. 25.	Market and Hillside st....	{ 682.66 491.00 755.38	{ 2 ft. X 3 ft., brick. 15-in., pipe. 12-in., pipe.	{ 3,181.46	Contract.
59 new catch-basins built.	.....	22,845.66	.....	\$142,062.30	
	.....		.....	4,484.44	
	.....		.....	\$116,516.74	



*Surface Drains and Culverts built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Commonwealth ave., Ward 25.....	270 ft. E. of St. Paul st. and Pleasant st.....	270.00 904.58 640.03 39.60 47.57	2 1/4-in., pipe. 15-in., pipe. 12-in., pipe. 7 in. X 12 in., wood. 10 in. X 12 in., wood.
Commonwealth ave., Ward 25.....	Brighton ave. and Pleasant st.....	204.00 537.20 920.83 1,108.60 507.75 46.04	10-in., pipe. 18-in., pipe. 15-in., pipe. 12-in., pipe. 10-in., pipe. 6 ft. 6 in. X 7 ft., stone.
Commonwealth ave., Ward 25.....	Brighton ave. and Warren st.....	514.79 996.30 39.00 152.09	6 ft. 6 in. X 7 ft., concrete. 5 ft. X 6 ft., con- crete. 4 ft. X 5 ft., con- crete. 3 ft. X 3 ft., con- crete.
		229.80 850.00 1,476.00 60.00 274.35	18-in., pipe. 24 in., pipe. 12-in., pipe. 10 in., pipe. 3 ft. X 3 ft. 4 in., stone.
		111.00	2 ft. X 3 ft. 2 in., stone.
		9,929.53	Culvert.
	<i>Carried forward</i> .....		.....

**Brighton. — Concluded.**

*Surface Drains and Culverts built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
<i>Brought forward.</i> Fairbanks st., Wd. 25.	..... Near Washington st.....	9,929.53 48.72	5 ft. 6 in. X 8 ft. 6 in., concrete.	Culvert.
Faneuil st., Wd. 25..	Near Hobart st.....	45.30	6 ft. 6 in. X 8 ft., concrete.	Culvert. Rebuilding.
Parsons st., Wd. 25..	Near Faneuil st.....	47.20	6 ft. X 7 ft. 9 in., concrete.	Culvert. Rebuilding.
Washington st., Wd. 25.....	Near Fairbanks st.....	70.00	Double 5 ft. 6 in. X 6 ft., stone.	Culvert. Rebuilding.
		<hr/> 10,140.75		
<i>Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.</i>				
Cypress road, Ward 25.....	Murdock and Lucas sts....	247.43	12-in., pipe.	
Westford st., Ward 25.....	Old dead end of sewer and Westerly branch of street,	129.50	10-in., pipe.	
		<hr/> 376.93		

## South Boston.

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
A st., Ward 13.....	Fourth and Silver sts.....	163.15	12-in., pipe.	\$338 48	Rebuilt. Contract; built in 1893. Contract.
E st., Ward 13.....	.....	.....	.....	13 36	
Story st., Ward 14....	G and H sts. ....	194.80	12-in., pipe.	1,246 89	
2 new catch-basins built and 16 repaired.....		357.95	.....	\$1,598 73	
				802 64	
				\$2,401 37	

**Dorchester.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Between	Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in						
Adams st.....		Codman st. and Milton st.,	678.98	12-in., pipe.	\$1,326 21	Contract. Built in 1893. Much rock. Much rock. All rock. Contract. Built in 1893.
Armandine and Rockwell sts....		.....	112 97	.....	956 84	
Blakeville st.....		Bowdoin st. and Olney st.,	242.65	12-in., pipe,	2,129 94	
Buttonwood st.....		Mt. Vernon and Grafton sts,	204.85	10-in., pipe.	2,053 47	
Church st.....		Winter and High sts.....	274.30	10-in., pipe.	278 38	
Diison st.....		Josephine st. and West-ville st.,	.....	.....	.....	
<b>DORCHESTER LOWER MILLS TRUNK SEWER,</b>						
Private land of A. Churchill..		Dorchester ave. and } Washington st.....	599.74	2 ft. 6 in. X 3 ft., } brick.	16,328 00	Very much rock.
Private land of N. F. Safford } heirs, and Eunice B. Ruggles } Private land of N. F. Safford }		Washington st. and Mor- } ton st., .....	547.17	2 ft. X 3 ft., brick.		
heirs, and of F. M. Cain } <i>et als.</i> .....		Morton st. and Sanford } st. ....	339.25	12-in., pipe.	1,068 38	Considerable rock. Just begun.
Danube st.....		Brookford st. and Dewey st. } King st. to Ashmont st.....	700.10	2 ft. X 3 ft., brick.	86 36	
Dorchester ave. ....		Bowdoin st. and Wilder st.,	210.30	18-in., pipe.	11,969 30	Much rock.
		.....	734.14	24-in., pipe.		
		.....	525.55	15-in., pipe.		
		.....	454.91	12-in., pipe.		

Freeman st.	.....	.....	59 57	Contract. Built in 1893.
Faulkner st.	.....	.....	59 63	Contract. Built in 1893.
Howe st.	.....	.....	473 48	Contract. Built in 1893.
Harvard st.	.....	.....	51 16	Contract. Built in 1893.
King st.	.....	.....	2,282 51	
Adams st. and Neponset ave.	.....	12-in., pipe.		
Allston st. and Washing- ton st.	.....	12-in., pipe.		
Stockton st. and Mora st. (Outlet for Mora st.)	.....	10-in., pipe.	642 40	
Moseley ave.	.....	15-in., pipe.	196 29	Contract.
Morton st.	.....	.....	39 04	Built in 1893.
Dorchester Lower Mills trunk sewer and San- ford st.	.....	15-in., pipe.	1,024 19	
Bertram st. and Pope's Hill st.	.....	12-in., pipe.	2,025 85	Contract.
Rockwell and Stockton.	.....	.....	23 60	Contract. Built in 1893.
Kilton and Whitfield sts.	.....	18 in., pipe.	861 07	Day labor.
Kilton and Whitfield sts.	.....	.....	1,029 03	Contract. Built in 1893.
End of existing sewer near Mayfield st., and about 120 ft. N.	.....	.....	283 46	
Cedar and Washington sts., Washington and Cedar sts., Pleasant and Salcombe sts., Sanford st.	.....	12-in., pipe.		{ By day labor.
Stoughton st.	.....	12-in., pipe.		{ Much rock.
Sturbridge st.	.....	18-in., pipe.	5,605 41	{ By contract.
Talbot-ave. extensions	.....	12-in., pipe.	608 67	Contract. Considerable rock.
Argyle st. and River st., Welles ave. and Brent st., Brent and Washington sts., Monson st. and Dorches- ter Lower Mills main sewer.	.....	15-in., pipe.	3,175 46	
Temple st.	.....	12-in., pipe.	2,575 67	
Temple st.	.....	12-in., pipe.	1,985 04	Considerable rock.
<i>Carried forward.</i>	.....	.....	\$59,310 88	
	.....	.....	12,681.24	

**Dorchester.** — *Continued.*  
*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Brought forward..	.....	12,681.24	.....	\$59,310 88	
Washington st.....	Ashmont st. and Dunbar st.,	{ 55.00	12-in., pipe.	96 49	Contract. Considerable rock.
Whitfield st. and Rose- dale ave.....	.....	280.20	15-in., pipe.	1,898 44	
Willis st.....	.....	.....	.....	10 03	Contract. Built in 1893.
41 new catch-basins built and 15 repaired.....	.....	289.05	12-in., pipe.	604 57	
		13,305.49	.....	\$61,920 41	
		.....	.....	4,713 53	
		.....	.....	\$66,633 94	

*Surface Drains built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Garbage Yard.....	Public Ground and Water Department Yard on Gibson st.....	209.00	6 ft. X 6 ft., wooden.		Contract of Horace Sias with City of Boston Much rock.
Mt. Vernon st.....	Buttonwood and Von Hil- lern sts.....	190.10	18-in., pipe. }		
Talbot ave.....	Northern ave. and Whit- field st.....	246.15	15-in., pipe. }		
		{ 17.00	3 ft. X 3 ft. 4 in., stone.		
		{ 307 50	24-in., pipe.		

Wheatland ave. and, { Spencer st. .... }	Millet and Spencer sts... Wheatland ave. and Park st. .... }	741.50	6 ft. X 3 ft. 4 in., concrete conduit.
		<u>1,711.25</u>	

*Culverts built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Geneva ave. ....	Park st. and Shawmut branch O. C. R.R. ....	13.00	4 ft. X 2 ft. 8 in., brick syphon culvert.
Glenway. ....	White st. and Page ave....	61.00	24-in., pipe.
Millet st. ....	Wheatland ave. and Talbot ave. ....	56.00	4 ft. 8 in. X 3 ft. 6 in., con- crete culvert.
		<u>130.00</u>	

*Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.*

Bakersfield st. ....	Stoughton and Willis sts... Dorchester ave. and Boston st. ....	156.90	12-in., pipe.	{ Estate of "Ezra H. Baker Farm Associates,"
Bellflower st. ....	Geneva ave. and Green- brier st. ....	396.00	12-in., pipe.	{ Estate of Joseph I. Stewart.
Bloomfield st. ....	E. Bowdoin sq. and W. Bowdoin sq. ....	669.68	18-in., pipe.	
Bowdoin-sq., South ..		910.18	15-in., pipe.	
Branch ave. and Pri- vate st. ....	Ditson and Arcadia sts. ...	540.55	12-in., pipe.	
Corona st. ....	Geneva ave. and Bowdoin sts. ....	932.87	12-in., pipe.	
		960.40	12-in., pipe.	
<i>Carried forward.</i> .....		<u>4,566.58</u>		

**Dorchester — Concluded.**  
*Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
<i>Brought forward</i>				
Cottage terrace.....	.....	4,566.58	12-in., pipe.	
Gorham st.....	Marshfield and E. Cottage sts. ....	600.63	12-in., pipe.	
Clement st. ....	Centre and Clement sts. ....			
Greenwood st. ....	Gorham and Nixon sts. ....	496.90	12-in., pipe.	
Holiday st. ....	Glen and Elno sts. ....	479.24	12-in., pipe.	
Hopstill ave. ....	Geneva ave. and Bowdoin st. ....	526.50	12-in., pipe.	
Intervale st. ....	Northern and Southern aves. ....	297.90	12-in., pipe.	
Brunswick st. ....	Blue Hill ave. and end of street. . . .	218.25	15-in., pipe.	
	Blue Hill ave. and end of street. ....	185.00	12-in., pipe.	
	Blue Hill ave. and end of street ...	370.70	12-in., pipe.	
	Blue Hill ave. and end of street ...	384.85	12-in., pipe.	
	Intervale and Devon sts. ....	219.60	15-in., pipe.	
	Intervale and Devon sts. ....	224.85	12-in., pipe.	
	Codman and Van Winkle sts.....	566.85	12-in., pipe.	
	Adams and Milton sts. ....	299.95	12-in., pipe.	
	Ashland and Freeport sts. ....	633.30	12-in., pipe.	
	Washington st. and Milton ave. ....	1,168.42	15-in., pipe.	
	Mora and Stockton sts. ....	81.99	12-in., pipe.	
	Bowdoin ave. and Bullard st. ....	459.93	12-in., pipe.	
	Pleasant and Bakersfield sts. ....	422.15	12-in., pipe.	
	Pleasant and Bakersfield sts. ....	380.45	12-in., pipe.	
	Pleasant and Bakersfield sts. ....	395.20	12-in., pipe.	
	Pleasant and Bakersfield sts. ....	431.27	12-in., pipe.	
				Estate of Cheever Newhall.
				Estate of "Ezra H. Baker Farm Associates."



Speedwell st.....				Considerable rock.
Norton st.....				Much rock.
Stonehurst st.....				Much rock.
Barrington st.....				Some rock.
Salcombe st.....				
Samoset st.....				
Wentworth st.....				
Topliff and Barrington sts.....		747.13	12-in., pipe.	Estate of Robert Treat Paine.
Stonehurst and Bowdoin sts.....		327.80	12-in., pipe.	
Topliff and Barrington sts.....		788.12	12-in., pipe.	
Homes ave. and Bowdoin st.....		543.10	12-in., pipe.	
Stoughton st. and Cushing ave... }		40.15	12-in., pipe.	
		598.41	12-in., pipe.	
Welles ave. and Centre st.....		280.80	12-in., pipe.	
Norfolk and Torrey sts.....		299.50	15-in., pipe.	
		<hr/>		
		17,035.52		Considerable rock.

**Roxbury.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Bartlett court.....	.....	417.78	18-in., pipe. }	\$1,827 19	Built in 1893.
Cleveland st.....	.....	29.43	12-in., pipe. }	116 98	
Caledonia st.....	Massachusetts ave. and Turner st.....	{ 45.00	} 10-in. X 12-in., wood. }	321 41	
Commonwealth ave.	Brookline ave. and Essex st.....	{ 268.62			
Fellows st.....	Northampton st. and Hunneman st.....	{ 64.00	} 18-in., pipe. }	700 00	{ Rebuilding. Old sewer removed. New sewer laid on a specially designed platform.
Guild st.....	Existing sewer, and about 100 feet west.....	{ 519.18			
Heath st.....	Bicknell st. and Parker st.	535.71	12-in., pipe.	11,044 06	{ Much rock. Built in 1893.
Harold st.....	Homestead st. and Hutchings st.....	50.00	12-in., pipe.	291 12	
Harold st.....	End of old sewer near Crawford st. and Ruthven st.	298.88	12-in., pipe.	193 23	Much rock.
Hillside st.....	Calumet st. and Sachem st.	128.51	12-in., pipe.	251 26	
Hillside st.....	Sunset st. and Wait st.....	574.83	12-in., pipe.	1,740 66	Much rock.
Hunneman st.....	Harrison ave. and Washington st.....	482.58	12-in., pipe.	2,251 81	
Kenmore and West Newbury sts.....	.....	520.47	15-in., pipe.	2,134 66	(Relief Committee). Built by contract. Very wet. Built in 1893.
Laubert ave.....	Dorr st. and Cedar st.....	179.96	12-in., pipe.	555 80	
				771 97	

	871.14	12-in., pipe.	1,950 02
Heath st. and existing sewer	195.00	12-in., pipe.	Cost shown in sewer repairs.
Warwick st. and Westminster st.	214.31	6 ft. 0 in. X 6 ft. 4 in., brick.	
Roxbury canal, and 1,600 feet south.	15.00	4 ft. 0 in. X 4 ft. 2 3/4 in., brick.	\$10,042 28
Sachem st.	100.00	4 ft. 0 in., circ. brick.	
Existing sewer, and Hill-side st.	14.00	In tide-gates and sump.	Rebuilding. Old sewer removed.
Norfolk ave. and George st.	116.75	12-in., pipe.	
Harold st. and Humboldt ave.	164.54	2 ft. 6 in. X 3 ft. 0 in., brick.	Nearly all rock.
Hunne-man st. and Eustis st.	25.05	12-in., pipe.	
Warren st. and Moreland st.	158.81	12-in., pipe.	Nearly all rock.
Commonwealth ave. and river.	199.21	12-in., pipe.	
Washington st.	25.00	12-in., pipe.	All rock.
Whiting st.	57.50	18-in., pipe.	
Sherborn st.			195 28

*Sewers built between February 1, 1894, and February 1, 1895, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892.*

	289.00	6-in., pipe, house drain.	\$564 24
Beacon st. and Mounfort st.	43.50	10-in., pipe, C. B. drain.	Built by contract.
Parker st. and Huntington ave.		3 catch-basins.	
	412.57	15-in., pipe, sewer.	Contract; built in 1893.
	7,016.33		
Arundel st.			416 43
Bay State road			Outlet for Parker st. Built by contract.
Bryant st.			
<i>Carried forward,</i>			\$49,531 88

**Roxbury. — Continued.**

*Sewers built between February 1, 1894, and February 1, 1895, by the City, under Chapter 323 of the Acts of 1891, as amended by Chapter 418 of the Acts of 1892.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Brought forward, Deerfield st. ....	.....	7,016.33	.....	\$49,531 38	Contract. Built in 1893.
Ivy st. ....	St. Mary's st. and Mount- fort st. ....	{ 22.43 62.59 933.80 127.00 1,379.00	{ 18 in., pipe sewer. 15-in., pipe sewer. 12-in., pipe sewer. 10-in., pipe, C. B. drain. 6-in., pipe, house-drain. 7 catch-basins.	{ 3,144 12	
Miner st. ....	.....	{ 345.33 722 00 60.00	{ 12-in., pipe sewer. 6-in., pipe house drain. 10-in., pipe C. B. drain. 4 catch-basins.	{ 53 65	Contract. Built in 1893.
Mountfort st. ....	Ivy st. and Audubon road.	{ 924.10 280.41 370.30 70.87	{ 2 ft. 6 in. X 3 ft., brick sewer. 12-in., pipe sewer. 12-in., pipe C. B. drain. 10-in., pipe C. B. drain. { 6-in., pipe house-drain. 3 catch-basins. 3 drop inlets.	{ 1,520 75	Built by contract.
Newbury st. ....	Charlesgate West and Brookline ave. ....	{ 1,809.00	{	{ 9,267 63	Built by contract.

Parker st. ....	{	1,105.40	} Built by contract. Heavy old sea-wall removed. Pile foundation.
	{	13.67	
	{	163.00	
	{	7.00	
Huntington ave. and West-	{	1,189.41	
land ave. ....	{	385.93	
	{	346.82	
	{	1,794.00	
37 new catch-basins built and 149 repaired.....		19,128.39	
		\$82,163.99	
		6,267.80	
		\$88,431.79	

*Surface Drains built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Commonwealth ave..	{	731.43	} 15-in., pipe. 12-in., pipe. 10-in., pipe.
Brookline ave. and Essex	{	1,600.99	
st.....	{	413.00	
Shirley st.....		573.61	} 12-in., pipe.
		3,319.03	

*Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.*

Abbotsford st.....		652.25	} 12-in., pipe. 12-in., pipe.
Fenno st.....		186.97	
Carried forward,		839.22	

**Roxbury.** — *Concluded.*  
*Sewers built between February 1, 1894, and February 1, 1895, by Private Parties.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
<i>Brought forward,</i>		839.22			
Homestead st.....	Humboldt ave. and Elm Hill ave.....	411.47	15-in., pipe.		
Lansdown st.....	Massachusetts ave. and Al- lerton st.....	671.63	12-in., pipe.		
Mountfort st.....	End of old sewer, West.....	296.46	12-in., pipe.		
Oswald st.....	Calumet st. and Hillside st.	152.48	12-in., pipe.		
Rockland st.....	End of old sewer and Fenno st.....	230.50	12-in., pipe.		
Turner st.....	End of old sewer and Cale- donia st.....	41.32	12-in., pipe.		
		163.78	9 in. X 12 in., wood.		Temporary drain.
		<u>2,806.86</u>			

**West Roxbury.**  
*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
Albano st.	.....	.....	.....	\$170 13	Contract; built in 1893.
Anawan ave.	.....	341.08	12-in., pipe.	610 40	
Amherst st.	.....	.....	.....	16 92	
Brown ave.	.....	.....	.....	59 12	
Bellevue st.	{ March ave. and Private st. below Mayfield st. and existing sewer }	317.40	15-in., pipe.	} 1,687 56	Contract { Some rock. Deep excavation.
Centre st.	Lakeville pt. and Robin- wood ave.	272.35	12-in., pipe.		
Centre st.	.....	310 25	15-in., pipe.	4,999 67	Very much rock.
Centre st.	Corey st. and Maple st.	872.75	15-in., pipe.	2,411 16	
Centre st.	May st. and Lowder's lane.	1,197.00	12-in., pipe.	2,422 28	Contract.
Johnston st.	.....	.....	.....	43 70	
Maple st.	.....	{ 1,100.00	12-in., pipe.	} 8,739 99	Contract; built in 1893.
Maple st.	Centre st. and Weld st.	680.00	15-in., pipe.		
Montview st.	.....	.....	.....	180 10	Contract; very much rock. Contract; built in 1893.
ROSLINDALE AND W. R. TRUNK SEWER.					
Mt. Vernon st.	.....	{ 49.15	2 ft. X 3 ft., brick.	} 5,193 43	{ Extra expenses in going under old fire reservoir. Much water encountered.
Mt. Vernon st.	Centre st. and Pleasant st.	299.60	15-in., pipe.		
Mt. Vernon st.	Pleasant st. and Garfield ave.	1,189.65	12-in., pipe.	3,076 67	Contract.
<i>Carried forward</i>		6,129.33	.....	\$29,911 13	

**West Roxbury. — Continued.**  
*Sewers built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Cost.	Remarks.
Built in	Between				
<i>Brought forward.</i>					
Park st.....	Near Oriole st. and 260 feet S. E.....	6,129.33	.....	\$29,911 13	
Park st.....	Clement ave. and March ave. ....	251.43	12-in., pipe.	510 82	Contract.
"The Parkway" Pond st.....	Centre st. and Pond st.....	86.00	24-in., pipe.	1,626 77	Just begun.
Pond st.....	.....	2,811.62	12-in., pipe.	4,577 62	
Pond st.....	May st. and Avon st.....	80.77	24-in., pipe.	91 71	Built in 1893.
Pond st.....	May st. and Avon st.....	749.73	15-in., pipe.	8,967 13	{ Some rock. Built in connection "Com. Relief Unemp'd." Contract; considerable rock.
Pond st.....	Avon st. and town line of Brookline.....	467.59	15-in., pipe.		
Pond st.....	Rosindale main sewer (so called) and Clement ave.....	702.58	12-in., pipe.		
Private land and Stratford ave.....	Avon st. and town line of Brookline.....	491.30	12-in., pipe.	915 44	Contract.
Prince st.....	.....	298.14	2 ft. X 3 ft., brick.	3,571 39	Contract; built in 1893.
Washington st.....	.....	.....	.....	3,803 00	
Yale st.....	Atherton st. and Metropolitan ave.....	350.88	12-in., pipe.	990 00	Contract.
	Wenham st. and Wachuset st.....	271.52	12-in., pipe.	1,655 98	Much rock.
		12,690.89	.....	\$56,620 99	
	13 new catch-basins built and 3 repaired.....		.....	1,024 75	
				\$57,645 74	



*Surface Drains built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Arborway and } Centre st. .... }	Arborway conduit and } Orchard st. .... }	180.50 100.00	15-in., pipe. 12-in., pipe.
Hyde Park ave. ....	cor. Woodlawn st. ....	4.00	18-in., pipe.
Hyde Park ave. ....	cor. Canterbury st. ....	24.00	10-in., pipe.
Hyde Park ave. ....	cor. Ashland st. ....	60.00	10-in., earthen pipe.
Hyde Park ave. ....	cor. Walkhill st. ....	34.00	10-in., iron pipe.
Overflow drain.....	Hyde Park ave. and } Stony-brook conduit.... }	24.00 49.00 3.00 8.17 3.50	10-in., earthen pipe. 12-in., earthen pipe. 2 ft. 8 in. X 2 ft. 1 in., brick conduit. 18-in., pipe.
		503.17	

*Culverts built between February 1, 1894, and February 1, 1895, by the City, either by Contract or Day Labor.*

Montview st. ....	Kirk and Corey sts. ....	50.75	20-in., pipe.
Sycamore st. ....	Hawthorn and Ashland sts.	30.10	2 ft. X 3 ft., double stone culvert.
		80.85	

**West Roxbury. — Concluded.**  
*Setters built between February 1, 1894, and February 1, 1895, by Private Parties.*

LOCALITY.		Length in Feet.	Dimensions and Material.	Remarks.
Built in	Between			
Bellevue st. ....	Rutledge and Oriole sts. ...	1,166 49	12-in., pipe.	} J. W. Bowers, contractor, for private parties.
Clement ave. ....	Stratford ave. and Park st.	313 15	24-in., pipe.	
Park st. ....	Clement ave. and 64 ft. south of Oriole st. ....	{ 647 90	15-in., pipe.	
Rutledge st. ....	Park and Wren sts. ....	{ 1,180 50	12-in., pipe.	
Wren st. ....	Rutledge and Oriole sts. ...	{ 371 96	12-in., pipe.	
Woodlawn st. ....	Hyde Park ave. and F. H. Cemetery .....	450 15	12-in., pipe.	} Very much rock.
		367 18	12-in., pipe.	
		4,497 33		

**Work done for and paid by Paving Division, including the following Class of Work: Building and Repairing Culverts, Surface Drains, Catch-Basins, and Sewers.**

Aldermanic District, No. 1 . . . . .	\$2,370 86
Aldermanic District, No. 2 . . . . .	1,173 50
Aldermanic District, No. 3 . . . . .	77 18
Aldermanic District, No. 4 . . . . .	479 41
Aldermanic District, No. 5 . . . . .	92 34
Aldermanic District, No. 7 . . . . .	215 52
Aldermanic District, No. 8 . . . . .	581 91
Aldermanic District, No. 9 . . . . .	4,225 75
Aldermanic District, No. 11 . . . . .	2,013 20
Aldermanic District, No. 12 . . . . .	217 15
Street Improvements, Wards 1 and 2 . . . . .	2,791 92
Street Improvements, Ward 3 . . . . .	16 75
Street Improvements, Ward 5 . . . . .	308 19
Street Improvements, Ward 6 . . . . .	681 20
Street Improvements, Ward 7 . . . . .	75 88
Street Improvements, Wards 7 and 8 . . . . .	151 85
Street Improvements, Ward 8 . . . . .	867 73
Street Improvements, Wards 9 and 10 . . . . .	525 64
Street Improvements, Ward 10 . . . . .	785 60
Street Improvements, Ward 12 . . . . .	124 26
Street Improvements, Ward 14 . . . . .	25 85
Street Improvements, Ward 15 . . . . .	18 68
Street Improvements, Wards 17 and 18 . . . . .	1,313 77
Street Improvements, Wards 19 and 22 . . . . .	1,202 03
Street Improvements, Ward 20 . . . . .	376 22
Street Improvements, Wards 23 and 25 . . . . .	1,514 77
Street Improvements, Ward 24 . . . . .	7,908 87
Commonwealth ave., Construction . . . . .	46,400 65
Washington st., Ward 25 . . . . .	3,298 62
Ruth-st. Extension . . . . .	109 36
Lewis-st. Extension . . . . .	114 21
Newport st. . . . .	109 22
Mill st. . . . .	131 10
Thetford st. . . . .	9 09
Millet st. . . . .	545 38
Talbot ave. . . . .	3,002 04
Blue Hill ave., Paving . . . . .	439 79

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\$84,295 49

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## RECAPITULATION.

## SEWERS.

City Proper . . . .	\$33,287 39	
Charlestown . . . .	1,121 88	
Brighton . . . .	142,062 30	
East Boston . . . .	7,010 62	
South Boston . . . .	1,598 73	
Dorchester . . . .	61,920 41	
Roxbury . . . .	82,163 99	
West Roxbury . . . .	56,620 99	
	<hr/>	\$385,786 31

## CATCH-BASINS.

City Proper . . . .	\$7,122 12	
Charlestown . . . .	4,463 92	
Brighton . . . .	4,484 44	
East Boston . . . .	7,643 09	
South Boston . . . .	802 64	
Dorchester . . . .	4,713 53	
Roxbury . . . .	6,267 80	
West Roxbury . . . .	1,024 75	
	<hr/>	36,522 29
Improved Sewerage maintenance . . . .		102,739 39
Stony Brook Improvement . . . .		11,948 81
Building stables and sheds, Brighton . . . .		511 00
Yard, Revere st. . . .		2,933 05
Miscellaneous . . . .		275,525 08
		<hr/>
		<u>\$315,965 93</u>

Of the above, \$2,883.58 was for streets resurfaced by Paving Division.

**Summary of Sewer Construction for the Twelve Months  
ending January 31, 1895.**

DISTRICT.	Built by the City, by Con- tract or Day Labor.	Built by Private Parties.	Total Length built during the 12 Months ending Jan. 31, 1895.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
City .....	5,377.39	160.41	5,537.80
Charlestown .....	422.12	.....	422.12
East Boston .....	1,322.90	.....	1,322.90
Brighton .....	32,664.19	376.93	33 041.12
South Boston .....	357.95	.....	357.95
Dorchester .....	15,016.74	17,035.52	32,052.26
Roxbury .....	22,447.42	2,806.86	25,254.28
West Roxbury .....	13,194.06	4,497.33	17,691.39
Total .....	90,802.77	24,877.05	115,679.82

226 catch-basins built.

445 " repaired.

21 manholes built.

249 " repaired.

1,125,151 linear feet of sewers flushed.

655.30 cu. yds. of material removed from sewers.

6,913 catch-basins cleaned.

19,652.55 cu. yds. of material removed from catch-basins.

2,646 feet of culverts built.

245 " " " repaired.

There are now 384.72 miles of sewers in charge of the Sewer Division.

The amount expended by this division during the twelve months ending January 31, 1895, including the amount spent under special appropriations, was \$815,965.93.

The items of expenditure are shown in the financial statement.

**Schedule of Sewers built to Date in the City of Boston.**

Wards.	Feet.	Wards.	Feet.	
1.....	81,717	14.....	75,777	
2.....	42,916	15.....	48,336	
3.....	31,794	16.....	31,626	
4.....	42,102	17.....	42,765	
5.....	40,018	18.....	59,573	
6.....	45,945	19.....	47,304	
7.....	37,032	20.....	106,987	
8.....	18,636	21.....	133,218	
9.....	27,247	22.....	124,476	
10.....	38,382	23.....	191,434	
11.....	76,431	24.....	324,665	
12.....	42,146	25.....	148,892	
13.....	52,654			
			1,912,073	362.13 miles.
				22 59 "
				284.72 miles.

**Fall of Rain and Snow in inches at South Yard, Albany Street, in twelve months ending January 31, 1895.**

DAY.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	January.
1.....					.19							
2.....				.02	.04						.46	
3.....					.14	.18	.16			.46		
4.....	.17		.39	.06		.06	.04		.22			
5.....				.22								
6.....			.13	.40				.09		1.56		.42
7.....					.12	.04			.28			
8.....								.25				.15
9.....	.28		1.21						.38		.57	
10.....	.26						.58		1.27	.68		1.18
11.....												.79
12.....						.01						
13.....	.88		1.54							.01		
14.....		.19				.05	.25		1.12	.13		.02
15.....	.86	.07						.08				
16.....												.49
17.....							.09	.13		.09		
18.....				.01								
19.....	.34			.73								.14
20.....							2.15	1.69				
21.....		.16	.06		.33	.78				.13		.22
22.....						.46						
23.....		.32		.03								
24.....			.17			1.12						
25.....		.01		1.05						.10	.19	
26.....	.19					.52			1.36			1.09
27.....										.01	2.33	
28.....												
29.....		.24		.86	.01							.17
30.....										.62		
31.....				.65					.59			
Totals.....	2.98	.99	3.50	4.03	.83	3.22	3.18	2.24	5.22	3.19	4.34	3.88

NOTE. — Total for twelve months, 37.6 inches.

Sewer Department — Pumping-Station.

Report of Pumping done from February 1, 1894, to January 31, 1895.

	ENGINE 1.		ENGINE 2.		ENGINE 3.		ENGINE 4.		Total gallons pumped.	Daily average gallons pumped.	Per cent. of ashes and clinkers.	Gallons pumped per pound of coal used.	Daily average lift in feet.	Daily average duty in ft.-lbs. per 100 lbs. coal used.	Rainfall.		
	Pumping time.	Gallons pumped.	H. M.	Pumping time.	Gallons pumped.	H. M.	Pumping time.	Gallons pumped.									
1894.																	
February . . .	94 05	131,913,328	320 30	447,416,732	663 40	996,104,088	648 50	965,167,560	2,540,601,708	90,735,775	33,900	11.5	2,677	35	8	79,478,956	2.69
March . . .	15 45	21,740,100	246 25	339,153,713	735 55	1,077,377,616	714 28	1,026,849,420	2,463,420,849	79,520,027	30,121	9.5	2,640	35.64		78,744,168	.91
April . . .			222 45	311,169,310	711 35	1,023,797,052	717 05	1,035,546,300	2,370,512,662	79,017,089	27,994	7.7	2,822	35.49		83,866,982	1.92
May . . .			34 20	47,822,178	710 33	961,570,388	665 50	916,033,572	1,925,426,118	62,110,520	22,016	8.4	2,821	35.82		84,571,863	3.57
June . . .	50	972,182	10	12,556,918	681 38	868,838,616	670 06	860,549,508	1,742,917,224	58,097,241	20,253	8.3	2,868	36.33		87,217,706	.97
July . . .	111 20	150,173,278	122 05	175,321,272	624 23	807,280,424	522 30	688,561,092	1,821,346,066	58,753,099	22,597	8.3	2,600	35.49		77,225,292	3.04
August . . .	49	69,530,748	23 20	32,578,619	724 44	960,918,948	680 02	924,694,920	1,987,723,235	64,120,104	22,898	7.7	2,800	34.78		81,507,920	2.19
September . . .	19 30	25,628,830	14 10	20,189,864	651 11	806,351,394	717 05	926,894,520	1,779,064,578	59,202,152	22,507	7.1	2,635	35.91		79,184,798	1.92
October . . .	85 20	113,175,169	54 10	75,629,225	698 40	910,891,584	700 00	950,142,600	2,049,838,576	63,123,825	25,955	7.2	2,548	35.56		75,856,512	5.32
November . . .	160 10	215,584,075	499 35	704,876,908	257 48	848,389,720	694 53	975,871,152	2,244,731,855	74,824,395	34,320	7.4	2,180	35.21		64,244,437	3.00
December . . .	142 15	183,624,234	102 50	148,816,164	644 23	909,713,952	726 53	1,046,757,492	2,288,911,842	73,835,866	29,397	6.9	2,512	33.36		74,927,613	3.35
1895.			265 25	383,814,933	732 43	1,061,430,516	735 10	1,057,703,040	2,060,665,426	85,827,917	36,351	7.3	2,348	35.79		70,314,642	3.25
January . . .			1,916 35	2,699,345,889	7,836 13	10,732,634,248	8,192 52	11,374,771,176	25,876,860,139	71,022,334	27,376	8.1	2,621	35.57		78,042,582	32.13



The following table shows the amounts of sludge received in, and removed from, deposit sewers each month from February 1, 1894, to January 31, 1895 :

Months.	Received.	Removed.
February . . . . .	612 cubic yards.	394 cubic yards.
March . . . . .	475 " "	478 " "
April . . . . .	338 " "	400 " "
May . . . . .	579 " "	477 " "
June . . . . .	558 " "	558 " "
July . . . . .	927 " "	714 " "
August . . . . .	864 " "	711 " "
September . . . . .	549 " "	711 " "
October . . . . .	821 " "	632 " "
November . . . . .	344 " "	555 " "
December . . . . .	460 " "	557 " "
January, 1895 . . . . .	517 " "	398 " "
	7,044	6,582

#### PROPERTY IN CHARGE OF THE SEWER DIVISION.

Sewer yard, with buildings, at 678 Albany street.

Sewer yard, with building, on North Grove street.

Sewer yard, on Gibson street, Dorchester, with buildings. This is Gibson School-fund land. The buildings were erected by the Sewer Department.

Sewer yard, with shed, on Boylston street, Jamaica Plain.

Small lot of land on Stony brook, corner of Centre street, Ward 21.

Gatehouse on Stony brook, Pyncheon street, built in 1889.

Sewer yard, with buildings, on Rutherford avenue, Charlestown.

Sewer yard, with buildings, corner Paris and Marion streets.

Sewer yard, with buildings, on East Chester park, near Albany street.

A small shed on Cypress street, Ward 9, on land hired by the city.

Sewer yard, with buildings, on Western avenue, Ward 25.

Sewer yard, with buildings, on Revere street, City.

Summary of Sewer Construction for Six Years.

	1889.	1890.	1891.	1892.	1893.	1894.
	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>	<i>Feet.</i>
Built by city, by contract or day labor.....	30,003.03	24,200.25	59,250.18	71,318.46	66,400.85	90,802.77
Built by private parties.....	13,191.45	17,218.10	20,714.24	22,566.73	22,837.09	24,877.05
Total number of feet built.....	43,194.48	41,418.35	79,964.42	93,885.19	89,237.94	115,679.82

**Faneuil Street.**

Labor . . . . .	\$16,181 44
Bricks, 657,653 . . . . .	7,234 18
Cement, 1,483 bbls. . . . .	1,853 75
Sand, 60 double loads . . . . .	117 45
Manhole frames and covers, 18 } . . . . .	172 21
Manhole steps, 75 . . . . .	
Teaming . . . . .	1,166 00
Lumber, 18,407 feet . . . . .	293 80
Pipe . . . . .	546 48
Trench-machine hire . . . . .	970 83
Engine-hire . . . . .	575 00
Blacksmithing and hardware . . . . .	236 50
Profiles, centres, etc. . . . .	501 31
Tide-gates . . . . .	349 40
Fuel and oil . . . . .	437 23
Miscellaneous supplies . . . . .	117 80
Water . . . . .	471 57
Water-pipe . . . . .	194 52

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\$31,419 47

*Size and Length of Sewer.*

12.60 feet 48-in., iron pipe.  
 710.49 feet 3 ft. 9 in. × 3 ft. 11 $\frac{5}{8}$  in., brick.  
 42.07 feet 4 ft. cir. brick.  
 432.24 feet 4 ft. 9 in. × 5 ft. 0 $\frac{1}{4}$  in., brick.  
 Overflow and tide-gates.

**Geneva Avenue.**

Labor . . . . .	\$7,775 03
Bricks, 103,750 . . . . .	1,141 25
Cement, 228 bbls. . . . .	285 00
Sand, 73 $\frac{1}{2}$ double loads . . . . .	132 30
Gravel, 12 double loads . . . . .	18 15
M. H. frames and covers, 10 . . . . .	66 50
Powder } . . . . .	154 90
Fuse } . . . . .	
Caps } . . . . .	
Teaming . . . . .	154 50
Lumber, 9,434 feet . . . . .	146 22
Pipe . . . . .	1,839 80
Hardware and blacksmithing . . . . .	255 65

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\$11,969 30

*Size and Length of Sewer.*

700.10 feet 2 × 3 ft., brick.  
 734.14 feet 24 in., pipe.  
 210.30 feet 18 in., pipe.  
 525.55 feet 15 in., pipe.  
 454.91 feet 12 in., pipe.

**Pond Street, May to Avon.**

W. T. Davis, contractor . . . . .	\$5,502 73
Inspection . . . . .	378 50
Cement, 74 bbls. . . . .	88 25
M. H. frames and covers, 10 . . . . .	79 69
Teaming . . . . .	21 50
Pipe . . . . .	1,667 37
Fuel and oil . . . . .	416 00
Profiles, centres, etc. . . . .	41 26
Water . . . . .	255 07
Resurfacing street by Paving Division . . . . .	928 60
	<hr/>
	<u>\$8,967 13</u>

*Size and Length of Sewer.*

80.77 feet 24 in., pipe.  
749.73 feet 15 in., pipe.

**Mt. Vernon Street, Centre to Pleasant.**

Labor . . . . .	\$2,539 10
Bricks, 70,500 . . . . .	846 00
Cement, 245 bbls. . . . .	275 60
Sand, 39 double loads . . . . .	43 46
Gravel, 4 double loads . . . . .	4 32
Teaming . . . . .	376 25
Lumber, 3,000 feet . . . . .	48 75
Pipe . . . . .	143 20
Trench-machine hire . . . . .	287 60
Engine-hire . . . . .	172 50
Fuel and oil . . . . .	176 95
Blacksmithing . . . . .	218 50
Miscellaneous supplies . . . . .	61 20
	<hr/>
	<u>\$5,193 43</u>

*Size and Length of Sewer.*

49.15 feet 2 ft. × 3 ft., brick.  
299.60 feet 15 in., pipe.

**Dover Street.**

Labor . . . . .	\$12,052 64
Bricks, 83,000 . . . . .	830 00
Cement, 422 bbls. . . . .	607 75
Sand, 102 double loads . . . . .	183 60
Gravel, 38 double loads . . . . .	67 50
M. H. frames and covers, 2 } . . . . .	66 32
M. H. steps, 84 }	
Castings to order	
	<hr/>
<i>Carried forward,</i>	<u>\$13,807 81</u>

<i>Brought forward,</i>	\$13,807 81
Teaming . . . . .	736 00
Lumber, 34,800 feet . . . . .	511 58
Pipe . . . . .	61 12
Profiles, centres, etc. . . . .	100 67
Pile driving . . . . .	165 00
Blacksmithing . . . . .	87 66
Fuel and oil . . . . .	98 11
Granite curbing . . . . .	50 00
Miscellaneous supplies and hardware . . . . .	367 11
	<hr/>
	<u>\$15,985 06</u>

*Size and Length of Sewer.*

442 feet 3 ft. 4 in. × 4 ft. 6 in., brick.

**Massachusetts Avenue.**

Labor . . . . .	\$7,176 40
Bricks, 52,650 . . . . .	526 50
Cement, 165 bbls. . . . .	198 00
Sand, 47 double loads . . . . .	84 60
Gravel, 30 double loads . . . . .	48 00
Teaming . . . . .	916 50
Lumber, 30,362 feet . . . . .	438 72
Pipe . . . . .	7 19
Granite . . . . .	50 00
Profiles, centres, etc. . . . .	168 56
Fuel and oils . . . . .	33 22
Blacksmithing . . . . .	8 01
Miscellaneous supplies . . . . .	135 97
Ironwork . . . . .	250 71
	<hr/>
	<u>\$10,042 38</u>

*Size and Length of Sewer.*214.31 feet 6 ft. × 6 ft. 4 $\frac{1}{4}$  in., brick.15 feet 4 ft. × 4 ft. 2 $\frac{3}{4}$  in., brick.

100 feet 4 ft. cir., brick.

Tide-gate chamber and sump.

**Commonwealth-avenue Outlet.**

Labor . . . . .	\$5,590 57
Bricks, 110,250 . . . . .	1,212 75
Cement, 302 bbls. . . . .	356 00
Sand, 12 double loads . . . . .	23 40
M. H. Frames and covers, 6 . . . . .	47 15
M. H. steps, 100 . . . . .	55 00
Teaming . . . . .	305 50
Lumber, 34,451 feet . . . . .	562 53
	<hr/>
<i>Carried forward,</i>	\$8,152 90

<i>Brought forward,</i>	\$8,152 90
Pipe . . . . .	118 14
Profiles, centres, etc. . . . .	51 66
Trench-machine hire . . . . .	204 00
Engine-hire . . . . .	122 50
Fuel and oil . . . . .	120 17
Miscellaneous supplies . . . . .	99 35
	<hr/>
	<u>\$8,868 72</u>

*Size and Length of Sewer.*

1,081.80 feet 2 ft. 6 in. × 3 ft. 9 in., brick.

**Faneuil Valley Overflow Outlet.**

Labor . . . . .	\$2,752 67
Bricks, 21,750 . . . . .	239 25
Cement, 65 bbls. . . . .	81 25
Sand, 12 double loads . . . . .	23 40
Teaming . . . . .	121 50
Lumber, 1,250 feet . . . . .	22 50
Centres, profiles, etc. . . . .	83 15
Tide-gates, 2 . . . . .	161 96
Miscellaneous supplies . . . . .	72 50
	<hr/>
	<u>\$3,558 18</u>

*Size and Length of Sewer.*

114.46 feet 3 ft. 9 in., circular brick.

13.00 feet 5 ft. 6 in., circular brick.

125.00 feet 5 ft. × 5 ft., wood.

1 tide-gate M. H.

**Fairbanks Street, Brighton.**

Labor . . . . .	\$5,807 78
Bricks, 143,500 . . . . .	1,578 50
Cement, 350 bbls. . . . .	437 50
Sand, 83 double loads . . . . .	161 85
M. H. frames and covers, 4 . . . . .	27 53
Teaming . . . . .	248 50
Lumber, 3,733 feet . . . . .	57 41
Pipe . . . . .	173 31
Trench-machine hire . . . . .	140 00
Engine-hire . . . . .	87 50
Centres, profiles, etc. . . . .	42 40
Fuel and oil . . . . .	39 63
Hardware, tools, and blacksmithing . . . . .	178 11
	<hr/>
	<u>\$8,980 02</u>

*Size and Length of Sewer.*

12.60 feet 48 in., iron pipe.  
 710.49 feet 3 ft. 9 in. × 3 ft. 11 $\frac{5}{8}$  in., brick.  
 42.07 feet 4 ft., circular brick.  
 432.24 feet 4 ft. 9 in. × 5 ft. 0 $\frac{1}{4}$  in., brick.  
 Overflow and tide-gates.

**Mt. Vernon Street, Pleasant Street to Garfield Avenue.**

James Dolan . . . . .	\$1,955 28
Labor . . . . .	206 50
Cement, 86 $\frac{1}{2}$ bbls. . . . .	98 32
M. H. frames and covers, 5 . . . . .	39 87
Teaming . . . . .	67 50
Pipe . . . . .	556 96
Coal . . . . .	7 28
Water . . . . .	144 96
	<hr/>
	\$3,076 67

*Size and Length of Sewer.*

1,189.65 feet 12 in., pipe.

**Parkway, between Pond and Centre Streets.**

Labor . . . . .	\$2,588 33
Bricks, 23,900 . . . . .	260 90
Cement, 77 bbls. . . . .	96 25
Sand, 15 $\frac{1}{2}$ double loads . . . . .	29 88
M. H. frames and covers, 17 } . . . . .	153 26
M. H. steps, 72 }	
Teaming . . . . .	152 75
Lumber, 3,622 feet . . . . .	61 57
Pipe . . . . .	904 59
Fuel and oil . . . . .	3 30
Blacksmithing . . . . .	27 80
Water . . . . .	281 16
Miscellaneous supplies . . . . .	22 93
	<hr/>
	\$4,577 62

*Size and Length of Sewer.*

2,811.62 feet 12 in., pipe.

**Stratford Avenue.**

Labor . . . . .	\$2,233 37
Bricks, 47,750 . . . . .	573 00
Cement, 148 $\frac{1}{2}$ bbls. . . . .	181 23
Sand, 21 double loads . . . . .	36 75
Gravel, 26 double loads . . . . .	45 50

*Carried forward,*

\$3,069 85

<i>Brought forward,</i>	\$3,069 85
M. H. frames and covers, 2 . . . . .	17 92
Teaming by contractors . . . . .	45 00
Lumber, 7,246 feet . . . . .	119 32
Pipe . . . . .	41 47
Fuel . . . . .	3 00
Profiles, centres, etc. . . . .	71 40
Water . . . . .	29 81
Blacksmithing, etc. . . . .	72 14
N. Y., N. H., & H. R.R. Co. . . . .	101 48
	<hr/>
	\$3,571 39

*Size and Length of Sewer.*

298.14 feet 2 ft. × 3 in., brick.

**Prince Street.**

M. Kiernan, contractor . . . . .	\$2,184 35
Labor . . . . .	28 00
Cement, 45 bbls. . . . .	50 80
M. H. frames and covers, 8 . . . . .	63 49
Teaming . . . . .	5 50
Pipe . . . . .	566 28
Coal . . . . .	1 56
Water . . . . .	157 42
Resurfacing street by Paving Division . . . . .	745 60
	<hr/>
	\$3,803 00

*Size and Length of Sewer.*

675 feet 15 in., pipe.

900 feet 12 in., pipe.

**Maple Street, West Roxbury.**

James Dolan, contractor . . . . .	\$7,108 30
Labor . . . . .	462 00
Cement, 48 bbls. . . . .	60 00
M. H. frames and covers, 6 . . . . .	41 37
Teaming . . . . .	1 50
Pipe . . . . .	954 70
Water . . . . .	110 00
Fuel . . . . .	2 12
	<hr/>
	\$8,739 99

*Size and Length of Sewer.*

1,100 feet of 12-in. pipe.

680 feet of 15-in. pipe.



**Sturbridge Street.**

D. F. O'Connell & Co., contractors . . . . .	\$2,227 75
Labor . . . . .	248 50
Cement, 40 bbls. . . . .	47 20
M. H. frames and covers, 4 . . . . .	32 80
Pipe . . . . .	415 24
Citizens' Relief Association . . . . .	122 70
Water . . . . .	81 27
	<hr/>
	\$3,175 46

*Size and Length of Sewer.*

767.72 feet of 15-in. pipe.

**Centre Street, between Lakeville Place and Robinwood Avenue.**

Labor . . . . .	\$3,580 19
Bricks, 1,500 . . . . .	16 50
Cement, 12 bbls. . . . .	14 41
M. H. frames and covers, 2 } . . . . .	15 98
M. H. steps, 8 } . . . . .	
Powder } . . . . .	194 65
Fuse } . . . . .	
Caps } . . . . .	
Teaming . . . . .	499 50
Lumber, 6,619 feet . . . . .	107 84
Pipe . . . . .	172 10
Blacksmithing and tools . . . . .	244 95
Fuel and oil . . . . .	14 46
Water . . . . .	39 03
Miscellaneous supplies . . . . .	100 05
	<hr/>
	\$4,999 67

*Size and Length of Sewer.*

310.35 feet of 15-in. pipe.

**Shirley Street.**

Labor . . . . .	\$4,310 09
Bricks, 100,200 . . . . .	1,002 00
Cement, 335 bbls. . . . .	386 53
Sand, 80 double loads . . . . .	144 00
Gravel, 145 double loads . . . . .	239 25
M. H. frames and covers, 3 } . . . . .	30 72
M. H. steps, 17 } . . . . .	
Teaming . . . . .	536 00
Lumber, 10,245 feet . . . . .	164 50
Pipe . . . . .	177 85

*Carried forward,*

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**\$6,990 94**

<i>Brought forward,</i>	\$6,990 94
Fuel . . . . .	22 34
Blacksmithing . . . . .	33 58
Water . . . . .	123 62
Miscellaneous supplies . . . . .	33 10
	<hr/>
	\$7,203 58

*Size and Length of Sewer.*

164.54 feet 2 ft. 6 in. × 3 ft., brick.

25.05 feet 12 in., pipe.

**BillERICA Street.**

Labor . . . . .	\$4,060 11
Bricks, 93,375 . . . . .	924 75
Cement, 339 bbls. . . . .	409 80
Sand, 81 5-6 double loads . . . . .	163 71
Gravel, 65 double loads . . . . .	116 60
Screenings, 71 double loads . . . . .	124 25
Teaming by contractors } . . . . .	830 00
Teaming by department } . . . . .	
Lumber, 20,909 feet . . . . .	290 67
Pipe . . . . .	210 83
Profiles, centres, etc. . . . .	66 33
Water . . . . .	63 22
Miscellaneous supplies . . . . .	32 88
Resurfacing street . . . . .	260 29
	<hr/>
	\$7,553 44

*Size and Length of Sewer.*

632.15 feet 2 ft. 6 in. × 3 ft., brick.

**Commonwealth Avenue, No. 3.**

Labor . . . . .	\$14,070 88
Bricks, 385,650 . . . . .	4,242 15
Cement, 916 bbls. . . . .	1,134 50
Sand, 11 double loads . . . . .	21 45
M. H. frames and covers, 13 } . . . . .	148 96
M. H. steps, 100 } . . . . .	
Powder, 40 lbs. } . . . . .	17 60
Fuse } . . . . .	
Caps } . . . . .	
Teaming . . . . .	601 00
Lumber, 41,964 feet . . . . .	656 80
Pipe . . . . .	1,150 64
Coal, 60 $\frac{3}{4}$ tons . . . . .	311 66
Blacksmithing . . . . .	108 23
Profiles, centres, etc. . . . .	89 66

*Carried forward,*

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\$22,553 53

<i>Brought forward,</i>	\$22,553 53
Engine-hire . . . . .	336 00
Trench machine-hire . . . . .	600 00
Water . . . . .	290 03
Miscellaneous supplies . . . . .	317 38
Engine and burning oils . . . . .	81 96
	<hr/>
	\$24,178 90

*Size and Length of Sewer.*

600.60 feet 3 ft. 6 in. × 3 ft. 9 in., brick.  
 1,483.70 feet 2 ft. 4 in. × 3 ft. 6 in., brick.  
 104.98 feet 24 in., pipe.  
 656.10 feet 18 in., pipe.

**Commonwealth Avenue, No. 7.**

Labor . . . . .	\$189 00
Cement, 57 bbls. . . . .	69 25
Screenings, 19 double loads . . . . .	33 25
M. H. frames and covers, 7 . . . . .	56 81
Lumber, 10,059 feet . . . . .	164 93
Pipe . . . . .	529 26
Metropolitan Construction Co., contractors . . . . .	1,988 31
Water . . . . .	146 48
Miscellaneous supplies . . . . .	8 00
	<hr/>
	\$3,185 29

*Size and Length of Sewer.*

1,464.86 feet 12 in., pipe.

**Commonwealth Avenue, No. 4.**

Labor . . . . .	\$3,899 43
Bricks, 21,700 . . . . .	217 10
Cement, 79½ bbls. . . . .	93 42
Sand, 24 double loads . . . . .	48 00
M. H. frames and covers, 12 . . . . .	96 32
Teaming . . . . .	553 50
Lumber, 2,691 feet . . . . .	44 08
Pipe . . . . .	938 57
Coal, 2 tons . . . . .	10 90
Wood, 17 cords . . . . .	144 50
Oil . . . . .	9 89
Tools and blacksmithing . . . . .	144 12
Manure, 1 cord . . . . .	6 00
Water . . . . .	274 18
	<hr/>
	\$6,480 01

*Size and Length of Sewer.*

99 feet 15 in., pipe.  
 1,547.80 feet 12 in., pipe.

## Western Avenue and Duck Lane.

Labor . . . . .	\$2,136 48
Bricks, 97,000 . . . . .	1,042 00
Cement, 214 bbls. . . . .	267 50
Sand, 90 double loads . . . . .	180 00
Gravel, 35 double loads . . . . .	61 25
M. H. frames and covers, 3 . . . . .	19 95
Teaming . . . . .	334 50
Lumber, 1,094 feet . . . . .	16 83
Pipe . . . . .	78 13
Profiles, centres, etc. . . . .	52 42
Blacksmithing . . . . .	14 45
Water . . . . .	61 09
Miscellaneous supplies . . . . .	5 52
	<hr/>
	\$4,270 12

*Size and Length of Sewer.*

610.90 feet 2 ft. 6 in. × 3 ft., brick.

## Parsons, No. Beacon, and Faneuil Streets.

Labor . . . . .	\$5,637 36
Bricks, 235,375 . . . . .	2,589 13
Cement, 521 bbls. . . . .	633 85
Sand, 51 double loads . . . . .	99 45
M. H. frames and covers, 4 } . . . . .	299 40
M. H. steps, 100 } . . . . .	
I. S. G. M. H. F. and C. 2 } . . . . .	
2 tide-gates . . . . .	
1 keg powder and fuse . . . . .	3 10
Teaming . . . . .	473 75
Lumber, 25,415 feet . . . . .	414 92
Pipe . . . . .	178 60
Trench-machine hire . . . . .	525 49
Engine-hire . . . . .	228 02
Blacksmithing . . . . .	73 65
Engine and burning oil . . . . .	9 67
Profiles, centres, etc. . . . .	223 23
Miscellaneous supplies . . . . .	290 88
Coal, 32½ tons . . . . .	167 15
Wood . . . . .	49 00
Water . . . . .	117 88
	<hr/>
	\$12,014 53

*Size and Length of Sewer.*

14.16 feet 24 in., pipe.

766.90 feet 3 ft. 9 in. × 3 ft. 11½ in., brick.

12.00 feet 48 in., iron pipe.

102.05 feet 4 ft. 3 in. × 4 ft. 6 in., brick.

**Washington Street, Brighton.**

Labor . . . . .	\$10,320 15
Bricks, 261,000 . . . . .	2,870 75
Cement, 788 bbls. . . . .	997 35
Sand, 201 double loads . . . . .	391 95
Gravel and screenings, 261 double loads . . . . .	456 75
M. H. frames and covers, 17 } . . . . .	146 86
M. H. steps, 45 } . . . . .	
Powder, 80 lbs. . . . .	22 00
Teaming . . . . .	1,265 25
Lumber, 15,723 feet . . . . .	244 96
Pipe . . . . .	1,014 94
Hire of engine . . . . .	362 50
Hire of trench-machine . . . . .	508 46
Coal, 25 tons . . . . .	118 17
Profiles, centres, etc. . . . .	306 14
Engine and burning oil . . . . .	26 14
Miscellaneous supplies . . . . .	74 70
Blacksmithing and hardware . . . . .	515 53
Tide-gates . . . . .	172 09
Water . . . . .	295 42
	<hr/>
	\$20,110 11

*Size and Length of Sewer.*

715.37 feet 3 ft. 9 in. × 3 ft. 11 $\frac{5}{8}$  in., brick.  
 362.23 feet 18 in., pipe.  
 902.20 feet 15 in., pipe.  
 267.14 feet 12 in., pipe.  
 682.66 feet 2 ft. × 3 ft., brick.  
 Overflow chamber and tide-gate.

**Wexford Street, Brighton.**

Labor . . . . .	\$141 50
Cement, 41 bbls. . . . .	47 76
M. H. frames and covers, 5 . . . . .	40 46
Pipe . . . . .	550 08
Metropolitan Construction Company, contractors . . . . .	2,399 06
Coal . . . . .	2 60
	<hr/>
	\$3,181 46

*Size and Length of Sewer.*

491 feet 15 in., pipe.  
 755.38 feet 12 in., pipe.

**Sanford Street.**

D. F. O'Connell & Co., contractors . . . . .	\$4,244 90
Labor . . . . .	431 12
Cement, 63 bbls. . . . .	75 30

*Carried forward,*

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\$4,751 32

<i>Brought forward,</i>		\$4,751 32
M. H. frames and covers, 6	.	47 72
Teaming	.	22 50
Pipe	.	554 65
Coal	.	8 75
Water	.	220 47
		<hr/>
		\$5,605 41

*Size and Length of Sewer.*

93.65 feet 18 in., pipe.

663.90 feet 12 in., pipe.

**Fellows Street.**

Labor	.	\$7,478 81
Bricks, 10,000	.	100 00
Cement, 53 bbls.	.	66 05
Sand, 10 double loads	.	18 20
M. H. frames and covers, 5	}	71 00
M. H. steps, 68		
Teaming	.	940 75
Lumber, 83,253 feet	.	1,264 09
Pipe	.	700 01
Blacksmithing and tools	.	144 99
Oil	.	20 99
Coal, 27½ tons	.	122 93
Water	.	105 48
Miscellaneous supplies	.	10 76
		<hr/>
		\$11,044 06

*Size and Length of Sewer.*

519.18 feet 15 in., pipe.

535.71 feet 12 in., pipe.

**Townsend Street.**

Labor	.	\$2,009 39
Bricks, 3,000	.	30 50
Cement, 13 bbls.	.	15 27
Sand, 5 double loads	.	8 90
Gravel, 19½ double loads	.	31 71
M. H. frames and covers, 2	}	23 79
M. H. steps, 14		
300 lbs. powder, and fuse	.	95 85
Teaming	.	321 25
Lumber, 1,372 feet	.	21 95
Pipe	.	72 35
Hardware and blacksmithing	.	358 35
Water	.	34 63
Coal and oil	.	8 08
Miscellaneous supplies	.	103 00
		<hr/>
		3,135 02

*Size and Length of Sewer.*

158.81 feet 12 in., pipe.

**Ivy Street.**

Quimby & Ferguson, contractors . . . . .	\$1,892 03
Labor . . . . .	151 40
Cement, 71 bbls. . . . .	88 75
M. H. frames and covers, 6 } . . . . .	182 83
M. H. steps, 56 } . . . . .	
C. B. frames and grates, 7 } . . . . .	
C. B. traps and hooks, 7 } . . . . .	
Teaming . . . . .	22 75
Pipe . . . . .	614 02
Granite and flagging . . . . .	66 50
Advertising . . . . .	35 96
Water . . . . .	89 88
	<hr/>
	\$3,144 12

*Size and Length of Sewer.*

22.43 feet 18 in., pipe.

62.59 feet 15 in., pipe.

933.80 feet 12 in., pipe.

127 feet 10 in., pipe, C. B. drain.

1,379 feet 6 in., pipe, house drain.

7 catch-basins.

**Newbury Street.**

Metropolitan Construction Company . . . . .	\$5,987 13
Labor . . . . .	345 85
Bricks, 157,600 . . . . .	1,650 50
Cement, 352½ bbls. . . . .	434 37
M. H. frames and covers, 5 } . . . . .	101 69
D catch-basin frames and grates, 6 } . . . . .	
M. H. steps, 61. } . . . . .	
Teaming . . . . .	1 50
Flagging . . . . .	24 00
Pipe . . . . .	602 47
Water . . . . .	120 12
	<hr/>
	\$9,267 63

*Size and Length of Sewer.*

924.10 feet 2 ft. 6 in. × 3 ft., brick.

280.40 feet 12 in., pipe.

370.30 feet 12 in., pipe, C. B. drain.

70.87 feet 10 in., pipe, C. B. drain.

1,809 feet 6 in., pipe, house drain.

3 catch-basins and 3 drop inlets.

**Parker Street.**

National Construction Company, contractors . . .	\$12,206 92	
Labor . . . . .	867 90	
Bricks, 193,300 . . . . .	1,888 15	
Cement, 796 bbls. . . . .	991 25	
M. H. frames and covers, 14	}	354 30
M. H. steps, 100		
D catch-basin frames and grates, 6		
C. B. covers, 15		
C. B. traps and hooks, 15		
Tide-gates, 2	}	96 00
Teaming . . . . .		
Pipe . . . . .	1,471 27	
Flagstones, 3	}	312 50
C. B. heads and gutters, 15		
Advertising . . . . .	59 50	
Water . . . . .	268 39	
	<hr/>	
		<u>\$18,516 18</u>

*Size and Length of Sewer.*

1,105.40 feet 2 ft. 6 in. × 3 ft., brick.  
 163 feet 18 in., pipe.  
 7 feet 20 in., pipe.  
 1,189.41 feet 12 in., pipe.  
 385.93 feet 12 in., pipe, C. B. drain.  
 346.82 feet 10 in., pipe, C. B. drain.  
 1,794 feet 6 in., pipe, house drain.  
 18 catch-basins and 3 drop inlets.

**Dorchester Lower Mills Trunk Sewer.**

Labor . . . . .	\$10,408 32	
Bricks, 200,450 . . . . .	2,204 95	
Cement, 393½ bbls. . . . .	480 67	
Sand, 110 double loads . . . . .	198 00	
Gravel, 28 double loads . . . . .	46 20	
Frames and covers, 5 } Iron steps, 38 }	53 39	
Explosives . . . . .	892 42	
Teaming . . . . .	197 50	
Lumber, 16,110 feet . . . . .	258 20	
Pipe . . . . .	102 33	
Blacksmithing and hardware . . . . .	344 29	
Fuel and oil . . . . .	271 96	
Rent of steam-drill . . . . .	648 00	
Miscellaneous supplies . . . . .	221 77	
	<hr/>	
		<u>\$16,328 00</u>

*Size and Length of Sewer.*

599.74 feet 2 ft. 6 in. × 3 ft., brick.  
 547.17 feet 2 ft. × 3 ft., brick.



## APPENDIX E.

## REPORT OF DEPUTY SUPERINTENDENT OF STREET-CLEANING DIVISION.

14 BEACON ST., BOSTON, February 1, 1895.

MR. B. T. WHEELER, *Superintendent of Streets* :

DEAR SIR: I respectfully submit my annual report of the expenditures and income of the Street-Cleaning Division of the Street Department for the financial year ending January 31, 1895 :

## FINANCIAL STATEMENT.

Amount of appropriation . . . . .	\$273,000 00
Revenue from Brookline Gas Light Company on account of work done by this Division . . . . .	237 00
Transfers from Paving Division . . . . .	21,240 44
Transfer from Watering Division . . . . .	8,000 00
	<hr/>
	\$302,477 44
Transferred to County of Suffolk . . . . .	1,000 00
	<hr/>
Total amount of appropriation . . . . .	\$301,477 44
Total amount of expenditures . . . . .	<u>\$301,477 44</u>

## OBJECTS OF EXPENDITURES.

*Superintendence.*

Salary of Deputy Superintendent . . . . .	\$3,000 00
Office pay-rolls . . . . .	4,580 60
Stationery . . . . .	198 48
Printing . . . . .	378 72
Board of horses . . . . .	600 00
Telephone service . . . . .	142 56
	<hr/>
Total cost of superintendence . . . . .	<u>\$8,900 36</u>

## CLEANING STREETS.

*Including the Cost of Sweeping, Loading and Removal of Street-dirt.*

District 1.	West End . . . . .	\$17,388 13
District 2.	North End . . . . .	20,000 92
District 3.	South End . . . . .	21,352 50
District 4.	South End . . . . .	17,010 64
District 5.	Back Bay . . . . .	14,027 81
District 6.	South Boston . . . . .	11,868 20
District 7.	Roxbury . . . . .	14,868 93
District 9.	Charlestown and East Boston . . . . .	11,634 15
Total cost of cleaning streets . . . . .		<u>\$128,151 28</u>

## CLEANING GUTTERS.

*Including Cost of Sweeping, Loading and Removal of Street-dirt.*

District 1.	West End . . . . .	\$2,068 38
District 2.	North End } District entirely paved.	
District 3.	South End }	
District 4.	South End . . . . .	1,577 94
District 5.	Back Bay . . . . .	3,613 49
District 6.	South Boston . . . . .	5,272 19
District 7.	Roxbury . . . . .	4,362 01
District 9.	Charlestown and East Boston . . . . .	3,871 86
Total cost of cleaning gutters . . . . .		<u>\$20,765 87</u>

Total length of gutters cleaned, 2,175.65 miles.

Average cost per mile, \$9.75.

## CLEANING CROSSINGS.

*Including Cost of Manual and Machine Labor.*

Cost of cleaning crossings . . . . .	\$618 95
Removing snow by patrol . . . . .	2,877 88
Total cost . . . . .	<u>\$3,496 83</u>

## COST OF MAINTAINING DUMPS.

District 1.	West End . . . . .	\$527 94
District 2.	North End . . . . .	524 22
District 3.	South End . . . . .	513 18
District 4.	South End . . . . .	521 02
District 5.	Back Bay . . . . .	470 40
District 6.	South Boston . . . . .	433 00
District 7.	Roxbury . . . . .	. . . . .
District 9.	Charlestown and East Boston . . . . .	453 00
Total cost of dumps . . . . .		<u>\$3,442 76</u>

## SNOW.

*Including Labor on Crossings, in Streets, Carting of Snow, etc.*

District 1.	West End . . . . .	\$2,683 98
District 2.	North End . . . . .	2,990 69
District 3.	South End . . . . .	3,780 73
District 4.	South End . . . . .	2,776 69
District 5.	Back Bay . . . . .	2,965 49
District 6.	South Boston . . . . .	3,153 55
District 7.	Roxbury . . . . .	4,381 44
District 9.	Charlestown and East Boston . . . . .	2,780 58
Total cost . . . . .		<u>\$25,513 15</u>

## MISCELLANEOUS WORK.

This shows the cost of such work as may not be characterized the same in all districts.

*Including miscellaneous work, sweeping and carting of leaves, etc. :*

District 1.	West End . . . . .	\$635 97
District 2.	North End . . . . .	1,115 10
District 3.	South End . . . . .	476 99
District 4.	South End . . . . .	707 29
District 5.	Back Bay . . . . .	1,641 65
District 6.	South Boston . . . . .	1,724 76
District 7.	Roxbury . . . . .	1,429 94
District 9.	Charlestown and East Boston . . . . .	640 83
Total cost . . . . .		<u>\$8,372 58</u>

## PATROLLING BY DISTRICTS.

This includes the cost of picking up and removal of refuse papers, etc., from the streets.

Cost of paper patrol . . . . .	<u>\$3,435 92</u>
--------------------------------	-------------------

## PUSH-CART PATROL SYSTEM.

Superintendence . . . . .	\$1,196 52
Board of horses . . . . .	293 49
Push-carts, including labor and teaming . . . . .	22,747 94
<u>\$24,237 95</u>	

Recapitulation of Expenses, exclusive of Superintendence, Stable and Yard Expenses, Stock and Miscellaneous Accounts.

DISTRICTS.	Cost of cleaning streets.	Cost of cleaning gutters.	Cost of cleaning crossings.	Cost of dumps.	Cost of snow.	Miscellaneous work.	Patrolling in business districts.	Cost of patrol system.	Total.
1.....	\$17,388 13	\$2,068 38	.....	\$527 94	\$2,683 98	\$635 97	.....	.....	\$23,304 40
2.....	20,000 92	.....	.....	524 22	2,990 69	1,115 10	.....	.....	24,630 93
3.....	21,352 50	.....	.....	513 18	3,780 73	476 99	.....	.....	26,123 40
4.....	17,010 64	1,577 94	.....	521 02	2,776 69	707 29	.....	.....	22,593 58
5.....	14,027 81	3,613 49	.....	470 40	2,965 49	1,641 65	.....	.....	22,718 84
6.....	11,868 20	5,272 19	.....	433 00	3,153 55	1,724 76	.....	.....	22,451 70
7.....	14,868 93	4,362 01	.....	.....	4,381 44	1,429 94	.....	.....	25,042 32
9.....	11,634 15	3,871 86	.....	453 00	2,780 58	640 88	.....	.....	19,380 47
Cost of Sweeping Crossings.....	.....	.....	\$618 95	.....	.....	.....	.....	.....	618 95
Cost of Patrolling in Business Districts.....	.....	.....	.....	.....	.....	.....	\$3,435 92	.....	3,435 92
Push-cart Patrol System.....	.....	.....	.....	.....	.....	.....	.....	\$24,237 95	24,237 95
Total.....	\$128,151 28	\$20,765 87	\$618 95	\$3,442 76	\$25,513 15	\$8,372 58	\$3,435 92	\$24,237 95	\$214,538 46

## STABLE AND YARD EXPENSES.

*Including the Cost of the South End, West End, Roxbury, South Boston, and Charlestown Stables, as follows:*

Superintendence of stables . . . . .	\$2,691 78
Labor, including the cost of feeders, hostlers, broom-makers, blacksmiths, carpenters, watchmen, yardmen, etc. . . . .	19,122 83
Cart and carriage repairs . . . . .	4,568 73
Harness repairs . . . . .	795 97
Horse-shoeing . . . . .	3,276 65
Painting . . . . .	605 37
Sweeping-machine repairs . . . . .	2,904 72
Stable and shed repairs . . . . .	1,001 53
Street-car tickets and ferry passes . . . . .	1,285 00
Tool repairs . . . . .	172 03
Veterinary services and medicine . . . . .	1,753 30
Total . . . . .	<u>\$38,177 91</u>

## STOCK ACCOUNT.

Broom stock purchased . . . . .	\$6,044 33
Carts and carriages purchased . . . . .	1,755 00
Harnesses and horse furnishings purchased . . . . .	1,730 79
Horses purchased. (Net) . . . . .	6,450 00
Sweeping-machines purchased . . . . .	3,240 00
Tools purchased . . . . .	706 12
Waste barrels purchased . . . . .	100 00
Patrol stock and maintenance of same . . . . .	1,127 12
Total . . . . .	<u>\$21,153 36</u>

## MISCELLANEOUS.

Fort Hill wharf repairs . . . . .	\$875 46
New shed in Roxbury, completing of . . . . .	241 05
Holidays . . . . .	10,981 45
Scow (cost of disposal at sea of 30,766 loads of street-dirt) . . . . .	6,765 20
Sundries . . . . .	2,602 03
Total . . . . .	<u>\$21,465 19</u>

## GENERAL RECAPITULATION OF EXPENSES.

Superintendence . . . . .	\$8,900 36
Cleaning streets . . . . .	128,151 28
Cleaning gutters . . . . .	20,765 87
Cleaning crossings . . . . .	3,496 83
Maintaining dumps . . . . .	3,442 76
Removal of snow and ice . . . . .	25,513 15
Miscellaneous work . . . . .	8,372 58
Paper patrol in business districts . . . . .	3,435 92
Patrol system, push-carts . . . . .	24,237 95
Stable and yard expenses . . . . .	38,177 91
Stock account . . . . .	21,153 36
Miscellaneous . . . . .	21,465 19
<b>Total . . . . .</b>	<b>\$307,113 16</b>

NOTE.—Of the above amount, the sum of \$5,635.72 was paid by other departments and divisions, on account of work done, etc., making the net expenses of this division, as shown in financial statement, \$301,477.44.

**Table showing the Cost per Mile of Cleaning the Streets in each District, exclusive of Supervision and other Expenses.**

DISTRICTS.	Miles of Streets Cleaned.	Cost of Cleaning.	Pro Rata Cost of Dumps.	Total Cost.	Cost per Mile.
No. 1. . . . .	1,582.07	\$17,388 13	\$471 22	\$17,859 35	\$11 28
No. 2. . . . .	1,837.88	20,000 92	524 22	20,525 14	11 16
No. 3. . . . .	2,330.33	21,352 50	513 18	21,865 68	9 38
No. 4. . . . .	1,785.09	17,010 64	476 29	17,486 93	9 79
No. 5. . . . .	707.78	14,027 81	373 13	14,400 94	20 34
No. 6. . . . .	894.96	11,868 20	299 80	12,168 00	13 59
No. 7. . . . .	494.51	14,868 93	.....	14,868 93	30 06
No. 9. . . . .	800.13	11,634 15	339 80	11,973 95	14 96
	10,432.75	\$128,151 28	\$2,997 64	\$131,148 92	

Average cost per mile of cleaning streets in eight districts, exclusive of supervision, etc., \$12.57.

STREET DEPARTMENT. — STREET-CLEANING DIVISION. 321

Table showing the Cost per Mile of cleaning Streets in each District, including Supervision, Labor, Yard and Stable Expenses.

DISTRICTS.	Miles of Streets Cleaned.	Cost of Cleaning Streets.	61% of the Total Cost of Superv'n.	60% of the Total Cost of Yard and Stable Expenses.	Total Ex- pense.	Total Cost per Mile.
No. 1....	1,582.07	\$17,859 35	\$739 33	\$3,587 26	\$22,185 94	\$14 02
No. 2....	1,837.88	20,525 14	849 69	4,122 72	25,497 55	13 87
No. 3....	2,330.33	21,865 68	905 18	4,391 87	27,162 73	11 65
No. 4....	1,785.09	17,486 93	723 91	3,512 46	21,723 30	12 16
No. 5....	707.78	14,400 94	596 16	2,892 61	17,889 71	25 27
No. 6....	894.96	12,168 00	503 72	2,444 10	15,115 82	16 89
No. 7....	494.51	14,868 93	615 53	2,986 61	18,471 07	37 35
No. 9....	800.13	11,973 95	495 69	2,405 12	14,874 76	18 59
	10,432.75	\$131,148 92	\$5,429 21	\$26,342 75	\$162,920 88	

Average cost per mile of cleaning streets in eight districts, including supervision, etc., \$15.61.

Table showing the Number of Loads of Street-dirt removed.

DISTRICTS.	Number of Loads of Dirt removed.	Cost per Load of cleaning streets and removing to dumps, including Foreman's Superintendence.
1.....	9,517	\$2 04
2.....	9,916	2 01
3.....	9,777	2 18
4.....	10,641	1 74
5.....	12,590	1 40
6.....	9,611	1 78
7.....	16,312	1 17
9.....	10,970	1 41
Paper Patrol and Leaves.....	89,334	
Removed by Push-cart Patrol System.....	2,260	
	3,884	equal to 50,280 barrel-loads.
Total Cart-loads.....	95,478	

30,766 loads of the above dirt (or about 33 per cent.) were delivered at the dumping-scow, the towing of which to sea cost 22 cents per load. In addition to the above, 37,557 single loads and 1,948 double loads of street-scrappings were removed from the streets by the Paving Division.

## PUBLIC WASTE-BARRELS.

Total number of waste-barrels emptied . . . .	<u>17,724</u>
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## INCOME.

Amount of bills deposited with the City Collector during the financial year ending January 31, 1895,	<u>\$8,163 77</u>
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## FORCE EMPLOYED.

Deputy Superintendent . . . . .	1
Clerk . . . . .	1
Messengers . . . . .	2
Employees in the Division, not including the above,	<u>327</u>

Entire force . . . . .	<u>331</u>
------------------------	------------

Average force employed during the year, 298.

Respectfully submitted,

PHILIP A. JACKSON,  
*Deputy Superintendent.*



## APPENDIX F.

FORMER SUPERINTENDENTS AND DOCUMENT  
NUMBERS OF ANNUAL REPORTS.**Bridge Department before 1891.***Previous to 1886 under charge of City Engineer.*

NAME.	Year.
Bartholomew M. Young .....	1886 to 1889
James H. Nugent.....	1889 to 1891

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report.....	1886	1887	29
“ “ .....	1887	1888	26
“ “ .....	1888	1889	29
“ “ .....	1889	1890	22
“ “ .....	1890	1891	*

\* Published in Annual Report, Executive Department, Part I., City Document No. 1, 1891.

**Paving Department before 1891.**

NAME.	Year.
Enoch Patterson, Supt. Streets and Drains .....	1827 to 1831
Zephaniah Sampson, “ “ “ “ .....	1831 to 1846
Thomas Hunting, Superintendent.....	1846 to 1853
Alfred T. Turner, “ .....	1853 to 1864
Charles Harris, “ .....	1864 to 1883
Nehemiah T. Merritt, “ .....	1883
James J. Flynn, “ .....	1883
Charles Harris, “ .....	1884
Michael Meehan, “ .....	1884 to 1886
John W. McDonald, “ .....	1886 to 1889
J. Edwin Jones, “ .....	1889 to 1891

## Paving Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Quarterly Report.....		1851	6
“ “.....		1851	29
Annual Report.....	1851	1852	2
“ “.....	1852	1853	6
“ “.....	1853	1854	6
“ “.....	1854	1855	5
“ “.....	1855	1856	3
“ “.....	1856	1857	3
“ “.....	1857	1858	3
“ “.....	1858	1859	5
“ “.....	1859	1860	6
“ “.....	1860	1861	5
“ “.....	1861	1862	4
“ “.....	1862	1863	3
“ “.....	1863	1864	3
“ “.....	1864	1865	7
“ “.....	1865	1866	3
“ “.....	1866	1867	6
“ “.....	1867	1868	9
“ “.....	1868	1869	14
“ “.....	1869	1870	13
“ “.....	1870	1871	12
“ “.....	1871	1872	16
“ “.....	1872	1873	21
“ “.....	1873	1874	25
“ “.....	1874	1875	27
“ “.....	1875	1876	30
“ “.....	1876	1877	38
“ “.....	1877	1878	29
“ “.....	1878	1879	24
“ “.....	1879	1880	24
“ “.....	1880	1881	48
“ “.....	1881	1882	51
“ “.....	1882	1883	47
“ “.....	1883	1884	46
“ “.....	1884	1885	97
“ “.....	1885	1886	30
“ “.....	1886	1887	16
“ “.....	1887	1888	23
“ “.....	1888	1889	30
“ “.....	1889	1890	19
“ “.....	1890	1891	*

\* Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

## Sewer Department before 1891.

NAME.	Year.
Enoch Patterson, Superintendent.....	1827 to 1831
Zephaniah Sampson, ".....	1831 to 1837
Charles B. Wells, ".....	1837 to 1856
Simeon B. Smith, ".....	1856 to 1863
William H. Bradley, ".....	1863 to 1883
Horace H. Moses, ".....	1883 to 1885
Thomas J. Young, ".....	1885 to 1887
Seth Perkins, ".....	1887 to 1889
Charles Morton, ".....	1889 to 1891

## Sewer Department before 1891.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report.....	1859	1860	11
" ".....	1860	1861	12
" ".....	1861	1862	12
" ".....	1862	1863	13
" ".....	1863	1864	11
" ".....	1864	1865	5
" ".....	1865	1866	6
" ".....	1866	1867	8
" ".....	1867	1868	13
" ".....	1868	1869	11
" ".....	1869	1870	3
" ".....	1870	1871	11
" ".....	1871	1872	10
" ".....	1872	1873	13
" ".....	1873	1874	12
" ".....	1874	1875	17
" ".....	1875	1876	11
" ".....	1876	1877	13
" ".....	1877	1878	15
" ".....	1878	1879	11
" ".....	1879	1880	16
" ".....	1880	1881	19
" ".....	1881	1882	18
" ".....	1882	1883	16
" ".....	1883	1884	43
" ".....	1884	1885	
" ".....	1885	1886	58
" ".....	1886	1887	69
" ".....	1887	1888	81
" ".....	1888	1889	129
" ".....	1889	1890	14
" ".....	1890	1891	*

\*Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

## Health Department before 1891.

*Sanitary.*

NAME.	Year.
Ezra Forristall, Superintendent.....	1853 to 1854
Joseph W. Coburn, ".....	1854 to 1855
Ezra Forristall, ".....	1855 to 1869
George W. Forristall ".....	1869 to 1890

## Health Department before 1891.

*Sanitary.*

NAME OF DOCUMENT.	Year.	Pub. Year.	No. of Doc.
Annual Report.....	1853	1854	7
" ".....	1854	1855	6
" ".....	1855	1856	4
" ".....	1856	1857	4
" ".....	1857	1858	4
" ".....	1858	1859	4
" ".....	1859	1860	5
" ".....	1860	1861	6
" ".....	1861	1862	5
" ".....	1862	1863	5
" ".....	1863	1864	4
" ".....	1864	1865	4
" ".....	1865	1866	8
" ".....	1866	1867	7
" ".....	1867	1868	8
" ".....	1868	1869	12
" ".....	1869	1870	4
" ".....	1870	1871	10
" ".....	1871	1872	17
" ".....	1872	1873	40
Annual report from 1873 to 1884 inclusive; the Superintendent's report was embodied in the report of the Board of Health.....	1885	1886	45
Annual Report.....	1886	1887	22
" ".....	1887	1888	16
" ".....	1888	1889	23
" ".....	1889	1890	21
" ".....	1890	1891	*

\* Published in Annual Report, Executive Department, Part II., City Document No. 1, 1891.

**Commissioners of Cambridge Bridges before 1891.**  
(West Boston, Canal, and Prison Point.)

NAME.	Year.
Frederic W. Lincoln, Commissioner for Boston.....	May 22, 1871, to March, 1891. June 14, 1871, to Jan. 31, 1883. March 28, 1883, to present time.
Ezra Parmenter, Commissioner for Cambridge.....	
William J. Marvin, Commissioner for Cambridge ....	

Harvard Bridge added in 1892.

**Commissioners of Cambridge Bridges before 1891.**  
(West Boston, Canal, and Prison Point.)

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report.....	1871	1872	19
“ “ .....	1872	1873	12
“ “ .....	1873	1874	16
“ “ .....	1874	1875	23
“ “ .....	1875	1876	20
“ “ .....	1876	1877	12
“ “ .....	1877	1878	10
“ “ .....	1878	1879	8
“ “ .....	1879	1880	12
“ “ .....	1880	1881	8
“ “ .....	1881	1882	15
“ “ .....	1882	1883	15
“ “ .....	1883	1884	19
“ “ .....	1884	1885	8
“ “ .....	1885	1886	12
“ “ .....	1886	1887	19
“ “ .....	1887	1888	25
“ “ .....	1888	1889	22
“ “ .....	1889	1890	20
“ “ .....	1890	1891	*

\* Published in Annual Report, Executive Department, Part I., City Document No. 1, 1891.

**Street Department since 1891.***Superintendent.*

Henry H. Carter, Member American Society Civil Engineers.

*Resigned, December 8, 1894.*

Charles R. Cutter, *Acting Superintendent from December 8, 1894, to January 14, 1895.*

Member of the Boston Society Civil Engineers.

Bertrand T. Wheeler, *Superintendent from January 14, 1895, to the present time.*

Member of the Boston Society Civil Engineers.

*Executive Engineer.*

Henry B. Wood, Member Boston Society Civil Engineers.

PAVING DIVISION.— Charles R. Cutter, *Deputy Superintendent until January 24, 1895.*

PAVING DIVISION.— Darius N. Payson, *Deputy Superintendent from January 24, 1895, to the present time.*

SEWER DIVISION.— Henry W. Sanborn, *Deputy Superintendent.*

Member Philadelphia Society Civil Engineers.

SANITARY DIVISION.— George W. Forristall,\* *Deputy Superintendent.*

SANITARY DIVISION.— Philip A. Jackson, *Acting Deputy Superintendent since January 16, 1894.*

STREET-CLEANING DIVISION.— Philip A. Jackson.

BRIDGE DIVISION.— John A. McLaughlin, *Deputy Superintendent.*

BOSTON AND CAMBRIDGE BRIDGES. — Henry H. Carter, *Ex-officio, Commissioner for Boston until December 8, 1894.*

Charles R. Cutter, *Acting, from December 8, 1894, to January 14, 1895.*

Bertrand T. Wheeler, *since January 14, 1895.*

William J. Marvin, *Commissioner for Cambridge.*

\* Died January 12, 1894.

**Street Department.**

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual Report, Executive Department, Part II. .	1891	1892	36
“ “ “ “ “ ..	1892	1893	34
“ “ “ “ “ ..	1893	1894	34
“ “ “ “ “ ..	1894	1895	34

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AND

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ANNUAL REPORT  
OF THE  
STREET LAYING OUT DEPARTMENT,  
FOR THE YEAR 1894.

BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: The Board of Street Commissioners present the following as the report of the Street Laying Out Department, including a statement relating to public lands under their care, for the year ending January 31, 1895:

Under the several orders for laying out, widening, and extending streets, passed by the Board, land to the amount of about 3,000,000 square feet was taken for street purposes; the total estimated damages amounted to \$1,372,434.40; and streets having a total mileage of 5.956 were made public.

The Board has issued ninety-eight orders of notice of their intention to lay out, widen, extend, and discontinue streets or parts of streets, calling for public hearings; it has received and considered one hundred and forty-two petitions, and made ninety-seven visits to different sections of the city.

All applications for building permits are received daily from the Inspector of Buildings, and are examined in relation to street lines and grades, where alterations are about to be made and new buildings erected.

The following is a complete list of streets released to the city, streets widened, relocated, extended, and discontinued, with the length of private streets made public, etc.

BOSTON PROPER.

STREET.	FEET.
*Newbury (formerly West Newbury street), from Charlesgate-west to Brookline avenue, laid out and construction ordered . . . . .	1,258
Wilkes (formerly Wells place), from Washington street to Bradford street . . . . .	247
*Arundel, from Beacon street to Mountfort street, laid out and construction ordered . . . . .	256
*Mountfort, from Ivy street to Audubon road, laid out and construction ordered . . . . .	428
*Ivy, from St. Mary's street to Mountfort street, laid out and construction ordered . . . . .	777
*Norway (formerly Caledonia street), extended and construction ordered, from Falmouth street to Massachusetts avenue . . . . .	583
*St. Germain (formerly Cromwell street), from Massachusetts avenue to Dalton street . . . . .	722
*Sherborn, from Commonwealth avenue to the Charles river, laid out and construction ordered . . . . .	473
Burbank (formerly Buckingham place), leading from Buckingham street . . . . .	269
*Turner, from Haviland street to Astor street . . . . .	732
*Kenmore, from Commonwealth avenue to Newbury street, construction ordered.	
Beacon, building line established on the southerly side from Arlington street to Massachusetts avenue.	
Beacon, building line established on the northerly side from River street to Massachusetts avenue.	
Congress square, discontinuance from easterly side, 295 square feet.	
Congress, widening, between State street and Congress square, 241 square feet taken.	
Salem, widened, near and north of Parmenter street, 75 square feet taken.	
Salem, discontinued, near and north of Parmenter street, 3 square feet.	
	-----
	5,745
Revere, discontinued, between South Russell street and Irving street . . . . .	75
	-----
	5,670
	-----

\* Ordered under chapter 323 of the Acts of 1891 and amendments thereto.



## ROXBURY.

STREET.	FEET.
Buena Vista (formerly Buena Vista avenue), from Walnut avenue to Warren street . . . . .	460
Plymouth, from Longwood avenue to Bernier street . . . . .	396
Evergreen (formerly Atwood avenue), from Day street . . . . .	554
Arklow, extended from Walden street to Gay Head street . . . . .	173
Cunard, extended from Tremont street to Cabot street . . . . .	172
Fairbury, Blue Hill avenue to Rand street . . . . .	309
Columbus avenue, extended from Northampton street to Franklin Park, over a part of Tremont street, over Pyncheon street and a part of Brunswick avenue, and over that part of Seaver street between Washington street and Walnut avenue, under chapter 416 of the Acts of 1894 . . . . .	5,750
(By the extension of Columbus avenue, 5,750 feet was added to the length of public streets, the whole length of the extension being 11,046 feet.) 614,800 square feet taken.	
Boylston, extended, construction ordered, and building-line established from Back Bay Fens to Brookline avenue, under chapter 439 of the Acts of 1894 . . . . .	2,094
Brookford, widened at and near Rand street; 41 square feet taken.	
Seaver, relocated from Blue Hill avenue to Walnut avenue (wholly within Franklin Park); 140,000 square feet taken.	
Cunard, widened on the south-westerly side, between Tremont street and Berlin street (now Columbus avenue); 4,032 square feet taken.	
Ruggles, widened on the south-westerly side, between Auburn street and Westminster street; 198 square feet taken.	
*Parker, widened from Westland avenue to Huntington avenue; 16,782 square feet taken.	
Huntington avenue, widened and extended over a part of Tremont street, from Copley square to the boundary line of Brookline, under chap-	

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\* Ordered under chapter 323 of the Acts of 1891 and amendments thereto.

STREET.	FEET.
ter 416 of the Acts of 1894 ; also construction ordered, and space in centre reserved, for railway ; 182,561 square feet taken.	
Chapel, discontinued ; part near Sarsfield street ; 580 square feet.	
	<hr/>
	9,908
Pierpont, discontinued from Station street to Prentiss street . . . . .	504
Cary, discontinued from Terry street to Culvert street . . . . .	543
Terry, discontinued ; part near Columbus avenue . . . . .	39
Riverside, discontinued ; part near Columbus avenue . . . . .	48
	<hr/>
	1,134
	<hr/>
	8,774
	<hr/> <hr/>

## DORCHESTER.

STREET.	FEET.
Lyndhurst, from Washington street to Allston street . . . . .	1,237
Bellflower, from Dorchester avenue to Boston street . . . . .	670
Algonquin, from Harvard street to Washington street . . . . .	930
Bradlee, from School street to Washington street,	756
Rice (formerly Wood street), from Walnut street to Taylor street . . . . .	143
Victor (formerly Granville place), from Brook avenue to Dean street . . . . .	214
Batchelder, extended from Marshfield street to Pontine street . . . . .	168
Glenway (formerly Glen road), extended from Glen avenue to Harvard street . . . . .	1,339
Kenwood, from Washington street to Allston street . . . . .	1,275
Wrentham, from Dorchester avenue to Shelton street . . . . .	1,009
McLellan, extended from Erie street to White street . . . . .	765
Sydney, extended from Harbor View street to Crescent avenue . . . . .	834
Montello (formerly Grace avenue), from Robinson street to Arcadia street . . . . .	353

## STREET LAYING OUT DEPARTMENT.

5

STREET.	FEET.
Bicknell (formerly Bicknell avenue), from Harvard street to White street . . . . .	834
Blue Hill avenue, widened and relocated (120 feet wide), from Washington street, Roxbury, to River street, Dorchester; 701,729 square feet taken.	
	10,527

## CHARLESTOWN.

STREET.	FEET.
Mishawum (formerly Ham's court), from Main street to Rutherford avenue . . . . .	304
Bunker Hill, between Vine street and Moulton street; 5,008 square feet taken.	

## EAST BOSTON.

STREET.	FEET.
Saratoga, widened between Bennington street and the Boston, Revere Beach, & Lynn Railroad; 7,934 square feet taken.	

## WEST ROXBURY.

STREET.	FEET.
Varney (formerly Yale street), from Wenham street to Wachusett street . . . . .	279
Temple, extended from Mount Vernon street to Baker street . . . . .	960
Moss Hill road, from Pond street to Woodland road . . . . .	835
Woodland road, from Moss Hill road . . . . .	472
Wren, from Rutledge street to Oriole street . . . . .	1,248
South, widened on the southerly side, at and near Poplar street; 266 square feet taken.	
Boylston, widened on the easterly side, at the junction of Lamartine street; 1,262 square feet taken.	
	3,794

BRIGHTON.

STREET.	FEET.
Franklin, footway laid out under the tracks of the Boston & Albany Railroad Company, and widened between Cambridge street and Lincoln street; 3,973 square feet taken.	
*Harvard avenue, relocated from Commonwealth avenue to the Brookline boundary line, and construction ordered; 10,594 square feet taken.	
Cambridge, relocated between Harvard avenue and Charles river, under chapter 305 of the Acts of 1893; 609 square feet taken.	
Ridgemont (formerly Ridgemont avenue), from Allston Heights to west of Eleanor street .	891
Eleanor, Cambridge street to Ridgemont street .	156
*Commonwealth avenue (over a part of South street), extended from Chestnut Hill avenue to Newton boundary line and space reserved for railway . . . . .	1,336
(By this extension of Commonwealth avenue 1,336 feet was added to the length of public streets, the whole length of the extension being 3,737 feet.) 358,243 square feet taken.	
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/> <u>2,383</u>

RECAPITULATION.

DISTRICT.	FEET.
Boston Proper . . . . .	5,670
Roxbury . . . . .	8,774
Dorchester . . . . .	10,527
Charlestown . . . . .	304
West Roxbury . . . . .	3,794
Brighton . . . . .	2,883

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31,452 = 5.956 miles.

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\* Ordered under chapter 323 of the Acts of 1891 and amendments thereto.

## STREETS LAID OUT IN FIVE YEARS, EXPRESSED IN FEET.

DISTRICT.	1890.	1891.	1892.	1893.	1894.
Boston Proper .....	1,817	2,269	301	3,191	5,670
Charlestown .....	371	379	341	.....	304
East Boston .....	.....	3,614	846	138	.....
South Boston.....	1,160	504	1,009	.....	.....
Roxbury .....	5,771	6,393	6,031	8,371	8,774
Dorchester .....	8,892	12,542	12,829	10,190	10,527
West Roxbury .....	9,417	8,152	8,202	7,047	3,794
Brighton .....	2,696	7,099	11,178	4,289	2,383
Feet .....	30,124	40,952	40,737	33,226	31,452
Miles .....	5.7	7.756	7.715	6.293	5.956

Total 176,491 feet = 33.420 miles.

Total miles of public streets February 1, 1895..... 452.12 miles.

The estimated expense of the street improvements ordered in 1894, not including construction, is as follows :

Arklow street, extended from Walden street to Gay Head street, Roxbury . . . . .	\$3,824 00
Blue Hill avenue, relocation between Washington street, Roxbury, and River street, Dorchester . . . . .	76,875 00
Boylston street, extended from Back Bay Fens to Brookline avenue . . . . .	10,039 00
Boylston street, widening at Lamartine street, West Roxbury . . . . .	3,240 00
Bunker Hill street, widening between Vine street and Moulton street, Charlestown . . . . .	19,600 00
Columbus avenue, extended from Northampton street to Walnut avenue at Franklin park, Roxbury . . . . .	926,986 00

*Amount carried forward,*

\$1,040,564 00

<i>Amount brought forward,</i>	\$1,040,564 00
Commonwealth avenue, extended from Chestnut Hill avenue to Newton boundary line, Brighton . . . . .	44,191 00
Congress street, widening between State street and Congress square, City Proper . . . . .	100 00
Cunard street, widening between Tremont street and Berlin street, Roxbury . . . . .	9,729 00
Cunard street, extended from Tremont street to Cabot street, Roxbury . . . . .	7,239 00
Harvard avenue, relocation between Commonwealth avenue and Brookline boundary line, Brighton . . . . .	6,503 50
Huntington avenue, widened and extended, from Copley square to Brookline boundary line, City Proper and Roxbury . . . . .	230,353 00
Mishawum street, from Main street to Rutherford avenue, Charlestown . . . . .	8,428 75
Parker street, widened between Westland avenue and Huntington avenue, Roxbury, . . . . .	12,387 30
Ruggles street, widened between Auburn street and Westminster street, Roxbury . . . . .	396 00
Salem street, widened, near and north of Parmenter street, City Proper . . . . .	500 00
Saratoga street, widened between Bennington street and Boston, Revere Beach, & Lynn Railroad, East Boston . . . . .	3,173 60
South street, widened at Poplar street, West Roxbury . . . . .	248 00
Turner street, from Haviland street to Astor street . . . . .	8,621 25
	<hr/>
Total . . . . .	\$1,372,434 40

#### STREETS LAID OUT AND CONSTRUCTION ORDERED.

Assessments have been levied upon the estates abutting upon the following streets, the laying out and construction of which was ordered in 1893, under the provisions of chapter 323 of the Acts of 1891, and acts in amendment or addition thereto, the work not being completed until 1894 :

Name of Street.	Date of Order.	Actual Cost.	Amount Assessed.	Date of Assessment.
Batavia.....	May 11, 1893,	\$17,701 79	\$16,574 75	Jan. 23, 1894.
Miner .....	May 15, 1893,	8,806 42	8,785 54	July 18, 1894.
*Bay State road between Raleigh and Deerfield streets .....	June 8, 1893,	11,124 81	6,310 52	July 18, 1894.
Bay State road between Deerfield and Sherborn streets.....	June 7, 1893,	15,249 72	11,442 73	July 18, 1894.
Deerfield .....	June 7, 1893,	9,193 29	6,818 68	July 18, 1894.

\*This part of Bay State road was laid out October 22, 1889, and ordered built June 8, 1893.

The difference between the amounts assessed and the actual costs in this table is accounted for in the provisions of the act itself, the city being required to pay the cost of sewer construction over and above the amount of \$4 per lineal foot.

Payments made for land damages and other claims, on account of laying out, widening, relocating, and extending streets, including claims previous to January 31, 1894:

## STREET LAYING OUT DEPARTMENT APPROPRIATION.

Columbia street, Dorchester . . . . .	\$4,320 00
Smith street, Roxbury . . . . .	3,825 29
Highgate street, Brighton . . . . .	2,825 25
Washington street, Dorchester . . . . .	2,518 56
Heath street, Roxbury . . . . .	2,050 00
Henshaw street, Brighton . . . . .	1,000 00
Hancock street, Dorchester . . . . .	1,000 00
Byron street, East Boston . . . . .	450 00
North street, City Proper . . . . .	323 24
Falcon street, East Boston . . . . .	250 00
Ruggles street, Roxbury . . . . .	224 00
Burke street, Roxbury . . . . .	177 06
Greenheys street, Dorchester . . . . .	125 00
Congress street, at State street, City Proper . . . . .	100 00
Norfolk street, Dorchester . . . . .	54 00

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\$19,242 40

## PAYMENTS MADE FROM OTHER APPROPRIATIONS.

Harrison avenue, between Essex and Beach streets . . . . .		\$176,120 00
Laying out and construction of highways:		
Columbus avenue, extension . . . . .	\$20,000 00	
Blue Hill avenue, relocation . . . . .	12,300 00	
Parker street, widening . . . . .	11,387 30	
Harvard avenue, Brighton . . . . .	1,108 50	
	<hr/>	44,795 80
Essex and Lincoln streets . . . . .		36,025 45
Bunker Hill street, between Tufts and Moulton streets . . . . .		22,800 00
Washington street, Ward 25 . . . . .		16,531 00
Bumstead lane, widening and extending (St. Alphonsus street) . . . . .		14,313 00
Ham's court, extension (Mishawum street) . . . . .		7,853 00
Chambers street, Ashland street to Livingston street . . . . .		3,388 00
Harvard street . . . . .		810 00
		<hr/>
		\$322,636 25

## EXPENDITURES.

*Salaries and other Expenses.*

John P. Dore . . . . .	\$3,000 00	
Isaac S. Burrell . . . . .	3,000 00	
John H. Duane . . . . .	3,000 00	
J. W. Morrison . . . . .	2,500 00	
Messenger . . . . .	413 33	
	<hr/>	\$11,913 33
Advertising . . . . .	\$1,504 21	
Carriage-hire . . . . .	830 00	
Copying records and clerical assistance . . . . .	552 75	
Fire-proof safe . . . . .	450 00	
Stationery and printing . . . . .	434 57	
Advertising auction sale of old buildings, posters, etc. . . . .	215 39	
Atlases, directory, etc. . . . .	194 50	
Telephone rental . . . . .	120 00	
Removing two buildings on Essex street and one on Harrison avenue . . . . .	115 00	
	<hr/>	
<i>Amounts carried forward,</i>	\$4,416 42	\$11,913 33



<i>Amounts brought forward,</i>	\$4,416 42	\$11,913 33
Constables' services . . . .	106 20	
Services of appraisers . . . .	100 00	
Watchman on Bunker Hill and Vine streets . . . . .	39 00	
Messenger service . . . . .	30 40	
Small supplies for office . . . .	11 67	
	<hr/>	4,703 69

## PUBLIC LANDS.

Chimney, for building at corner of Harrison avenue and Wareham street . . . . .	\$291 45	
Watchman at wharf No. 600 Albany street . . . . .	249 00	
Advertising sales . . . . .	155 72	
Sewer assessment, Stoughton street, Commission paid auctioneers and brokers on sale of public prop- erty . . . . .	145 71	64 00
Taxes, Town of Hull . . . . .	\$34 90	
City of Everett . . . . .	15 40	
City of Boston . . . . .	3 84	
	<hr/>	54 14
		960 02
		<hr/>
		\$17,577 04

The yearly rentals from lands and buildings in charge of the Board of Street Commissioners amounts to \$3,197.

One hundred and nine dollars and fifty cents was received from the sale of old building-materials on Essex street and Harrison avenue.

## SALE OF ESTATE.

A parcel of land with buildings, on the southerly side of Hunneman street, between Washington street and Harrison avenue, containing 7,417 square feet, was sold to Charles Duncan, May 29, 1894, in accordance with chapter 37 of the Revised Ordinances, for \$6,400, and a record has been made and plan filed in Volume 4 of "Plans of City Lands sold," on file in this office.

## CHANGES IN STREET NAMES.

An order passed by this Board February 12, 1894, giving the name of **Massachusetts avenue** to the ways hereto-

fore known as West Chester park, Chester square, Chester park, and East Chester park, between Charles river at Harvard bridge, and Cottage street at Boston street, Dorchester, was confirmed by the Board of Aldermen February 19, and approved by the Mayor February 21, taking effect, under chapter 67 of the Acts of 1880, March 1, 1894.

An order passed by this Board February 19, 1894, giving the name of **Bruce street** to that part of the way, at Dorchester, known as Wrentham street, between Ashmont street and Dracut street, was confirmed by the Board of Aldermen February 26, and approved by the Mayor February 28, taking effect, under chapter 67 of the Acts of 1880, March 1, 1894.

An order passed by this Board February 19, 1894, giving the name of **Leon street** to the way known as Avon place, leading from Ruggles street, Roxbury, was confirmed by the Board of Aldermen February 26, and approved by the Mayor February 28, taking effect, under chapter 67 of the Acts of 1880, March 1, 1894.

An order passed by this Board February 19, 1894, giving the name of **Wiget street** to that part of the way known as North Margin street, leading north-west from No. 90 Salem street to the part of North Margin street recently extended to Stillman street, was confirmed by the Board of Aldermen February 26, and approved by the Mayor February 28, taking effect, under chapter 67 of the Acts of 1880, March 1, 1894.

An order passed by this Board February 26, 1894, giving the name of **Chambers street** to the way known as Livingston street, between Brighton street and Charles street, was confirmed by the Board of Aldermen February 26, and approved by the Mayor February 28, taking effect, under chapter 67 of the Acts of 1880, March 1, 1894.

The following reports and estimates of the cost of proposed street widenings, extensions, etc., on orders of the City Council, have been made during the year:

*Chardon street*, City Proper, extension from Merrimac street to Canal street.

*Friend street*, City Proper, widening between Merrimac street and Causeway:

*Fulton street*, City Proper, extension from Clinton street to North Market street.

*Kneeland street*, City Proper, widening between Albany street and Harrison avenue.

*Winter place*, City Proper, laying out and extension to Temple place.

*Lawrence street*, Charlestown, extension from Phipps street to Stacey street.

*Greaton street*, Roxbury, laying out from Washington street to Eustis street.

*Halleck street*, Roxbury, extension from Station street to Gurney street.

*Shawmut avenue*, Roxbury, extension from Roxbury street to Washington street.

During the year street releases have been prepared of private streets for the abutters to sign, releasing grade and all other damages, provided the streets should be laid out by the city; also releases for grade damages on public streets, as follows:

Boston Proper	.	.	.	.	.	.	.	5
South Boston	.	.	.	.	.	.	.	2
Roxbury	.	.	.	.	.	.	.	10
Dorchester	.	.	.	.	.	.	.	16
West Roxbury	.	.	.	.	.	.	.	15
Brighton	.	.	.	.	.	.	.	4
Total	.	.	.	.	.	.	.	52

#### AUTHORITY TO OPEN NEW STREETS.

Under the Acts of 1891, chapter 323, and acts in amendment thereof, the Board of Street Commissioners has granted permission to land-owners to open the following streets:

##### ROXBURY.

Pontiac street, from Alleghany street to Hillside street.

Alleghany street, from Delaware street to a point beyond Pontiac street.

Fenno street, from Buena Vista street to Rockland street.

Abbotsford street, from Walnut avenue to Harold street.

Oswald street, from Hillside street to Calumet street.

Calumet street, from Parker Hill avenue to Hillside street.

Brodline avenue, from Dudley street to Forest street.

##### DORCHESTER.

Tileston avenue, }  
 Edna street, } near Walk Hill street and Blue Hill  
 Clear View street, } avenue.  
 Greenock street, } between Blue Hill avenue and Back  
 Fabyan street, } street.

Corona street, from Geneva avenue to Bowdoin street.  
 Fowler street, } near Glenway street and New York &  
 Greenwood street, } New England R.R.  
 Roseclair street, from Dorchester avenue to Greenhalge  
 street.  
 Tileston avenue, near Walk Hill street and Blue Hill avenue.  
 Don street, } from Lauriat avenue to Chapman avenue.  
 Carlos street, }  
 Draper street, from Homes avenue to Bowdoin street.  
 Mora street, from Washington street to Milton avenue.

WEST ROXBURY.

Caspar street, } from Weld street to Lasell street.  
 Newfield street, }  
 Lasell street, from La Grange street to a point north east  
 of Caspar street.  
 Jones street, } between Walter street and Fairview street.  
 Mendum street, }  
 Hawthorne street, } between Poplar street and Sycamore  
 Heathcote street, } street,  
 Spalding street, from South street, near Hall street.

BRIGHTON.

Nottingham road, } near Chestnut Hill avenue and Com-  
 Melton road, } monwealth avenue.  
 Wallingford road, }  
 Eulita terrace, near Chestnut Hill avenue, from Union  
 street to Winship street.  
 Bagnal street, from Holton street to Aldie street.

Plans and profiles of the above-named streets have been  
 filed in the office of the City Surveyor.

The following is a list of the real estate belonging to the  
 city in charge of the Board of Street Commissioners:

CITY PROPER.

DESCRIPTION.	SQUARE FEET.
Harrison avenue, corner of Wareham street, land and building . . . . .	3,816
Leased for five years, from April 30, 1892, at \$1,050 a year.	
Albany street, land opposite East Brookline street, Rented for \$100 a year.	1,074
Harrison avenue, land between Brookline and Newton streets . . . . .	4,740

## STREET LAYING OUT DEPARTMENT.

15

DESCRIPTION.	SQUARE FEET.
Stoughton street, land north-east side . . . . .	11,868
Albany street, wharf . . . . .	26,024
Part of rented for \$520 a year.	
Land used by the City Hospital . . . . .	5,021

## CHARLESTOWN.

Rutherford avenue, land on north-east side . . . . .	29,445
Small part of rented at \$12 a year.	
Remainder occupied by city departments.	

## SOUTH BOSTON.

East First and L streets, land . . . . .	33,700
East First and L streets, flats . . . . .	50,000

## ROXBURY.

Swett street, land and building, old small-pox hospital . . . . .	111,431
10,660 square feet leased for five years from November 1, 1894, for \$300 a year.	
About 42,000 square feet set aside for use of Fire Department, by order of the City Council, approved April 30, 1892.	
Building rented for \$300 a year.	
Fellows street, near Hunneman street, land . . . . .	25,470
Set apart for a playground, by order of the City Council, approved June 12, 1889.	
Ritchie street, land opposite the Marcella-street Home . . . . .	22,716

## DORCHESTER.

Dorchester avenue and Gibson street . . . . .	208,750
42,000 square feet rented to Sewer Division of Street Department at \$150 year.	
32,600 square feet rented to Boston Water Board at \$125 a year.	
52,200 square feet rented to Paving Division of Street Department at \$200 a year.	
Gibson street, land on southerly side, near Dorchester avenue . . . . .	27,040
Gibson street, land on southerly side, near Adams street . . . . .	27,890

DESCRIPTION.	SQUARE FEET.
Dorchester avenue and Park street, land . . . . .	274,000
48,627 square feet, leased for two years, from October 10, 1893, at \$300 a year.	
About 129,240 square feet, placed in charge of Department of Public Grounds for a playground, by an order of the City Council, dated May 23, 1889.	
Balance rented for pasture at \$40 a year.	
Boston street, near Upham's Corner . . . . .	1,345
Baker's court, old lock-up estate . . . . .	1,580

#### WEST ROXBURY.

Moreland street, land . . . . .	30,421
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#### BRIGHTON.

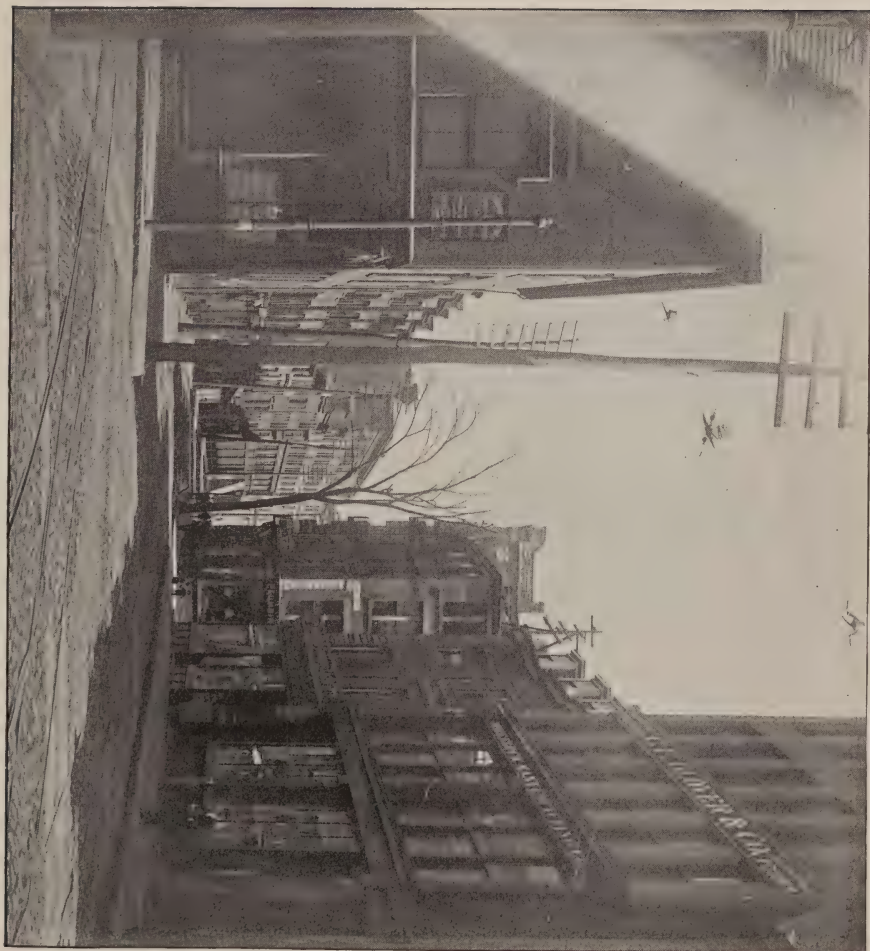
Western avenue, marsh north-east of Western avenue and north-west of North Harvard street,	10,890
Parkman street, land on south-west side of . . . . .	5,000

#### ISLANDS, ETC.

Great Brewster Island, Boston Harbor, about 16 acres. Rented for \$100 a year.	
Apple Island, Boston Harbor, about $9\frac{1}{2}$ acres.	
Summer and Pleasant streets, in town of Everett, old gravel pits . . . . .	20,700
Marsh, about nine acres, in city of Quincy.	

#### ESSEX STREET WIDENED.

The opportunity allowed by the great fire of March 10, 1893, to widen Essex street has been taken advantage of, the widening has been made, the betterments have been assessed, and many of them already very willingly paid. The estimated cost of the work was \$242,916, and, as in the judgment of this Board the total betterment was \$84,482, private estates have been assessed (under order dated December 28, 1894) \$42,241. In that conflagration the Ames, the Brown-Durrell, the Farlow, and other valuable buildings were destroyed, and about one-half of the widening on the southerly side and a portion of that on the northerly side of the street have been done by taking land from estates which had been swept by the fire. Essex street had been a narrow and an irregular thoroughfare, yet forming a very important connection between Washington street and Federal street, and giving an almost direct route from the Park



ESSEX STREET, before widening, looking east.

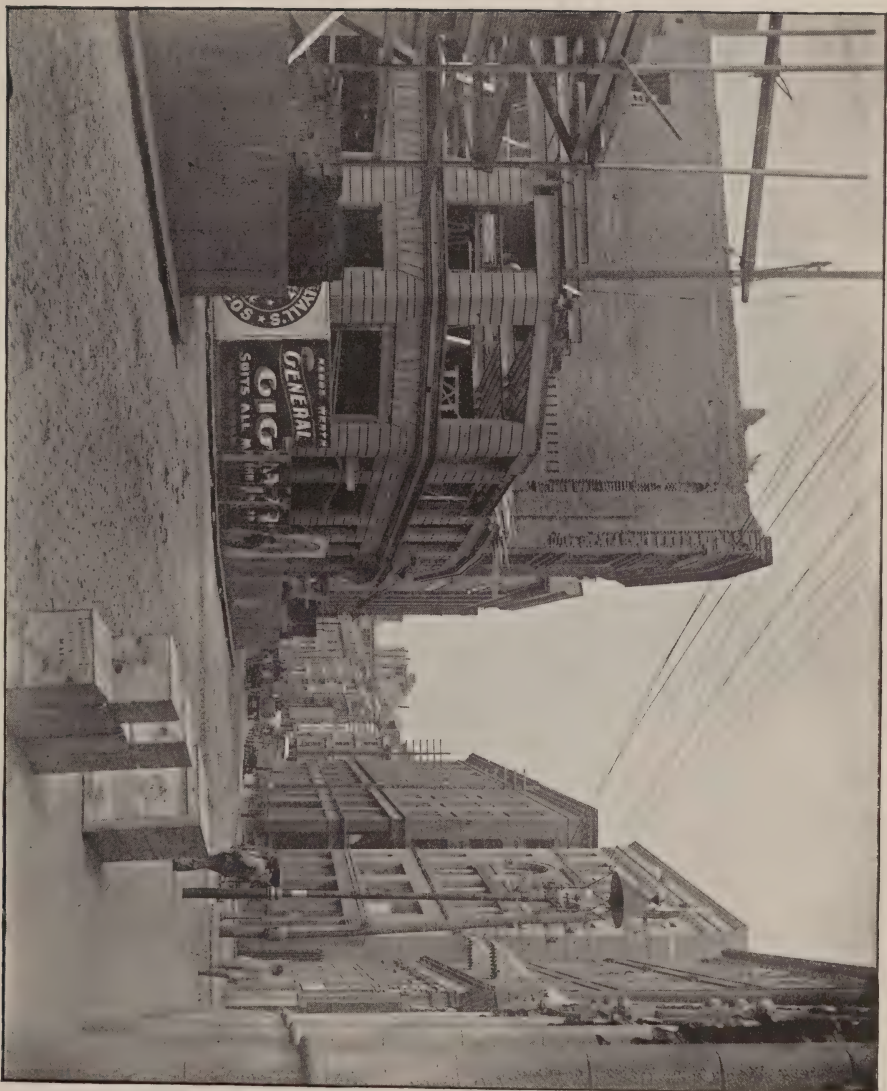






ESSEX STREET, after widening, looking east.





ESSEX STREET, after widening, looking west.



square and Back Bay section to the terminus of the New York & New England Railroad. Its width had varied from 37 to 40 feet, but it is now a 50-foot street from Washington street to South street. The amount of traffic which it accommodates is very great, and ever increasing. The relief afforded by the added width is correspondingly important. For the carrying out of the improvement, parts of 23 estates were taken.

#### THE HARRISON-AVENUE IMPROVEMENT.

The widening of Harrison avenue between Essex street and Beach street is no longer a project but a consummation, the work having been finished, all the buildings but two that were disturbed by it having been rebuilt, and the betterments having been by this Board assessed. Where there was before a narrow, greatly overcrowded way, — irregular, because it was of less width than the main portion of the avenue of which it formed an inadequate part, — there is now a sufficing thoroughfare, connecting Chauncy street and Harrison avenue north of Essex street by direct line with Beach street and the portion of Harrison avenue which is south of Beach street, while modern buildings have taken the places of those which stood upon the old street line. The section of the avenue which has been thus improved had formerly a width of 49 feet at Beach street, 40 feet at Oxford place, and 37 feet at its angle, near Essex street. The improvement was secured by widening to the distance of about 12 feet on the westerly side, thereby making a uniform line with that part of Harrison avenue north of Essex street, and then widening on the easterly side on a line 67 feet distant from the new westerly line, near Beach street, and 78 feet distant at a point corresponding with the old angle, near Essex street, from which point the new easterly line diverged and was continued so as to conform substantially to the easterly line of Chauncy street. For the purposes of the undertaking, property belonging to twenty-seven different estates was required, and the areas taken from these ranged from 58 square feet, at Beach street, to 958 square feet, near Essex street. The estimated cost of the widening was \$298,870. The Board has adjudged the total betterment, under order dated November 30, 1894, to be \$189,298, and, under the Betterment Act (chapter 51 of the Public Statutes), the amount assessed upon private property was, therefore, \$94,649. It is unnecessary to detail the advantages of the improvement, for the improvement itself now exhibits them. It was not within the province of this Board to undertake

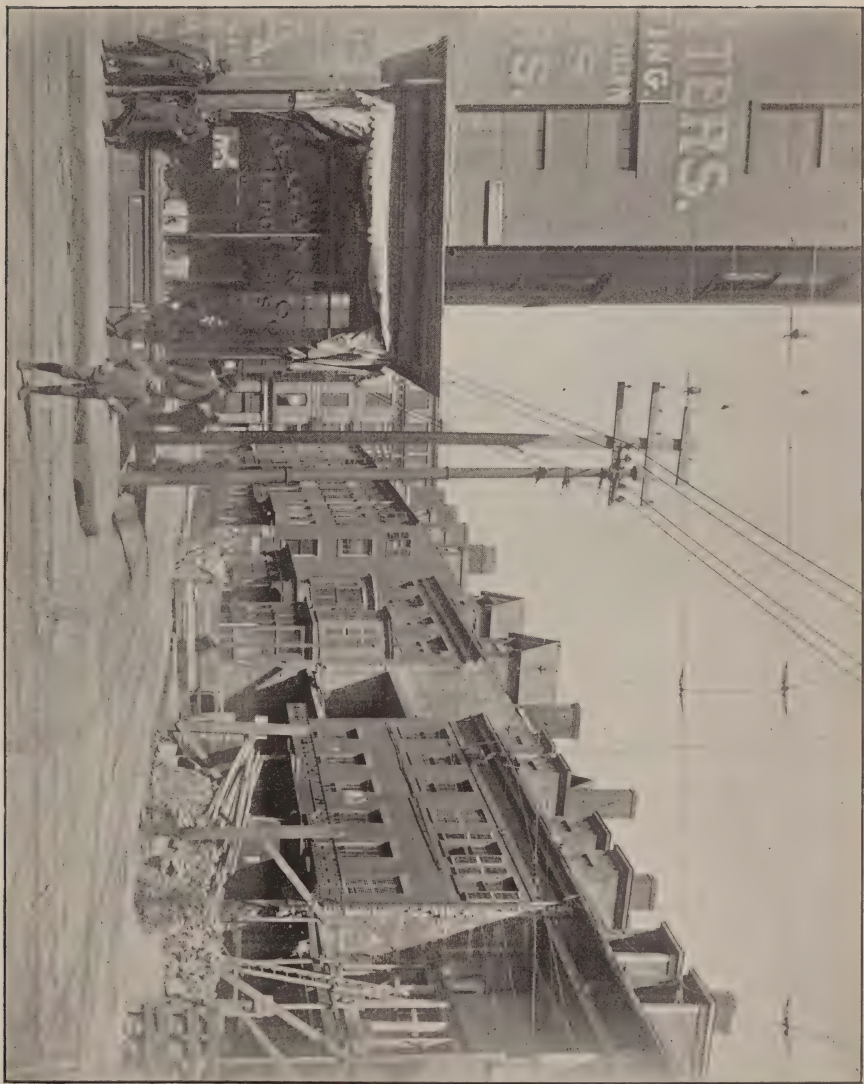
the social purification of a somewhat distrusted district; the aim was to accommodate the immense amount of travel passing through a street which was not wide enough to accommodate it. Resulting from the carrying out of this purpose, the congestion caused by the extensive traffic into and out from the Chauncy street and Summer street territory has been perceptibly relieved, good buildings have taken the place of inferior ones, and there has been a considerable increase in the value of taxable property.

#### THE EXTENSION OF BOYLSTON STREET.

During the year the commissioners have laid out and ordered the construction of an extension of Boylston street, at a width of 80 feet, from the Back Bay Fens to Brookline avenue. This matter has been before the Board for many years, and action was finally taken under a special act, chapter 339 of the Acts of 1893, — a piece of legislation which was secured through the combined efforts of the several owners of the large tract of land lying between the Fens and Brookline avenue. Exercising a right conferred upon the Board by another Act, chapter 462 of the Acts of 1893, — which is dealt with elsewhere in this report, — building lines were established parallel to and 15 feet from the exterior lines of the street, so that when the buildings shall have been erected, the distance between the opposite fronts will be 110 feet. In ordering the construction, the Board has prescribed a gravel roadway, sidewalks of the same material, to be 15 feet in width, and a sewer fully adequate to the territory through which it shall pass, with the necessary house-drains, catch-basins, catch-basin drains, manholes, and drop inlets. Provision has been made, also, for water-pipes and gas-pipes. The extension when completed will be a direct and an agreeable way to Brookline, connecting with Audubon road and the Riverway.

#### ESTABLISHING BUILDING LINES.

During the year the commissioners have, for the first time, made use of the authority conferred upon them by chapter 462 of the Acts of 1893 to establish building lines on public ways. By this law they were empowered, when giving notice to lay out a public way, to also declare their intention to establish a building line parallel to, and not more than 25 feet distant from, any exterior line of a highway. The Act contains a damage clause, under which "any person sustaining damage by reason of the establishment of such building line shall have the same remedies for obtaining



HARRISON AVENUE, before widening, looking north.







HARRISON AVENUE, after widening, looking north.



payment therefor as may be prescribed by law for obtaining payment for damages sustained by the laying out of a highway." It was stipulated in the Act that it shall take effect in any city when accepted by the City Council. Acceptance was duly voted by the City Council of Boston, and the Mayor gave his approval October 28, 1893. The first time the Board availed itself of the benefits of this law was October 4, 1894, when it established a building line on the extension of Boylston street from the Back Bay Fens to Brookline avenue. In this case the action affected only unimproved land. In the only other instance of the exercise of the right the conditions were different. Complying with a petition signed by William S. Dexter, Charles U. Cotting, George O. Shattuck, Howard Stockton, James H. Beal, and others, the Board gave numerous hearings on the proposition to establish building lines on Beacon street, which proposition differed from that entertained in the Boylston-street case, because here buildings were already erected. After carefully weighing the testimony offered at the hearings, the Board, on January 5, 1895, established, in a series of orders, a building line on the northerly side of Beacon street, from River street to Massachusetts avenue; and on the southerly side, from Arlington street to Massachusetts avenue, the line being for the most part 20 feet, north and south, from and parallel with the street line.

#### COLUMBUS-AVENUE EXTENSION AND BLUE HILL-AVENUE RELOCATION.

The most extensive improvement ever ordered by the Board of Street Commissioners is the extension of Columbus avenue, which, while not costing so much money as was expended in the extension of Washington street from Cornhill to Haymarket square, requires the taking of more land in the number of square feet and covers a greater extent of territory than any previous enterprise of the kind, while it will open up and render available greater areas of property which had been remote and obscure. By this extension 5,750 feet are added to the length of public streets, and the whole length of the extension from a point near Camden street to Franklin Park is 11,046 feet. Pynchon street, Seaver street, and a very small portion of Tremont street are taken in, and these, being already public ways, represent the difference between the two sets of figures here given. The net addition, or the new part of the extension of the avenue, is all through private land. The total number of square feet taken is 614,800 feet. This signifies that the

commissioners have awarded to 179 different estates, on which there were about 200 buildings, sums ranging all the way from \$1 to \$36,000 for all damage done them. The total amount of the awards is \$926,986. The extension was ordered under the provisions of chapter 416 of the Acts of 1894 and the acts therein referred to. The procedure has, therefore, been different from that followed in the Harrison avenue, the Essex street, and other widenings ordered before the Act of 1894 went into effect. Working under this special act, the commissioners are enabled, after the street is constructed, to assess a proportional share of the cost of laying out and of construction upon the real estate which the Board shall have adjudged receives any benefit and advantage from such laying out and construction, beyond the general advantages to all real estate in the city, to the extent of the total amount of the adjudged benefit and advantage to each estate, whether or not a part thereof is taken for the highway. As this is the first opportunity property-owners shall have had to experience or observe the practical effect of this act, it is not surprising that its intent has been in some cases misunderstood; nor may it be irrelevant for the commissioners to point out that it is not their duty to apportion among property-owners the total cost of construction, but, in fact, to assess to the amounts of the benefits which, in the judgment of the commissioners, have accrued.

The proposition to extend Columbus avenue has been before the Board of Street Commissioners for about 21 years. The first petition praying for the improvement bore the signatures of 23 property-owners, one of whom appeared before the Board at the last hearing, in 1894, and urged the extension in accordance with the idea of the original request, which was that Columbus avenue be extended to Tremont street at or near the railroad crossing. That petition (1874) was very brief, and closed with the assertion, "that the need of such an avenue is very great and the present time is the most favorable." Another petition, signed by 38 other property-owners, was submitted in 1876, asking for the extension of the avenue southerly to "some point on Tremont street," and pointing out that "the need of such extension is very pressing," and, further, "that all improvements in that section of the city are very injuriously delayed until the extension is made." In other years nine other petitions, signed by about 500 property-owners, were presented, some asking for the extension of the avenue to Ruggles street, and some asking for an extension to points beyond. While the Board has always held consistently to the opinion that the improvement should have been under-



HARRISON AVENUE, before widening, looking south.





HARRISON AVENUE, after widening, looking south.





taken, the necessary money to carry it out was never before available. As in the case of the Essex-street widening, the Columbus-avenue project was aided by conflagration. The great fire of the spring of 1894, that swept the district of which Walpole street is nearly the centre, destroyed 20 or 30 buildings which, without a fire, would have had to be taken before the extension could have been made.

This extension opens up a large amount of back territory between Camden street and the Roxbury Crossing; effects a widening of Pyncheon street from Tremont street to Centre street, from which point it crosses vacant land and Brunswick avenue to the corner of Washington street and Seaver street—a distance of 3,000 feet; and, including Seaver street, from Washington street, it reaches Walnut avenue at Franklin Park. The width of the whole extension is 80 feet, making a splendid avenue of an almost uniform width from Park square to Franklin Park, a distance of about 17,600 feet. The Board has given a number of hearings on this extension—some of them previous to last year—and the hearings of 1894 dealt with two distinct propositions: First, to come out at Ruggles street; second, to extend to the Roxbury Crossing. The final action followed on the line of the order of notice issued for the second hearing.

A collateral improvement was the relocation of Seaver street from Walnut avenue to Blue Hill avenue, this action furnishing a useful and an agreeable connecting way between the two great avenues, Columbus and Blue Hill. This was done under an order of the Board dated December 5, 1894. Previously, November 5 of the same year, it had been ordered to widen Blue Hill avenue from Grove Hall to the bridge over the Neponset river to a width of 120 feet, reserving in the middle of the avenue—under authority conferred by chapter 324 of the Acts of 1894—special space for the use of street railways and for ornature by grass-plotting. The length of this relocation is about 15,000 feet, and 701,729 square feet of land were taken, of which 289,801 square feet, or 6.65 acres, were released to the city by the abutters. The estimated expense of this improvement was \$76,875.

How far in advance this important municipal enterprise is of the original aspirations of the officials who first laid out Blue Hill avenue is clear enough when we look back nearly half a century. Blue Hill avenue was formerly known as Brush Hill turnpike, and, as such, was laid out by the county commissioners in the years of 1849, 1856, and 1859, at widths not uniform, but for the most part approximating 64 feet. To-day we have Columbus avenue, beginning at Park square and running to Walnut avenue at Franklin Park, at

a width of 80 feet; Seaver street extending from Walnut avenue through the park at a width of 60 feet, and connecting with Blue Hill avenue, which has a width of 120 feet, and, maintaining that width all the way, extends to the left bank of the Neponset river. It is the hope, indeed the expectation, of this Board that the authorities of Milton will take the avenue on the right bank of the river and extend it at the same width to the Blue Hills. This would open up a magnificent avenue from Milton to Boston Common. But so far as Boston is herself and alone concerned, the improvement thus assured is a highly valuable one, for the residents of a large part of Dorchester and of Roxbury will have a thoroughfare so direct from their homes to the central portion of the city that without any other than surface transit they shall be enabled to effect an important saving of time in their urban travel.

#### THE COMMONWEALTH-AVENUE PROJECT PERFECTED.

Under an order of January 5, 1895, the commissioners laid out an extension of Commonwealth avenue, at Brighton, over a part of South street, from Chestnut Hill avenue to the boundary line of the city of Newton, thus supplying a much-desired connection with the Newton boulevard, which already bears the name of Commonwealth avenue, and establishing a magnificent thoroughfare of imposing and unintermitting name from the Boston Public Garden to the extreme western boundary of the sister city.

This consummation makes it appropriate at this time to outline the history of Commonwealth avenue, the extension of which, section by section, marks the marvellous construction and development of the land and properties of the Back Bay and the rapidly enhancing values of estates beyond. Its beginnings antedate the Board of Street Commissioners, which was organized in 1871. The avenue was laid out between Arlington street and Berkeley street August 5, 1862, and February 15, 1864. It was extended to Clarendon street December 15, 1868, and all subsequent improvements upon it have been ordered by this Board. It was laid out from Clarendon street to Dartmouth street May 31, 1871; from Dartmouth street to Exeter street May 19, 1873; from Exeter street to West Chester park (now Massachusetts avenue) November 4, 1875; from West Chester park to Beacon street July 8, 1879. This last extension connected Commonwealth avenue with what was then Brighton avenue, the name of a portion of which — between Beacon street and Malvern street — was subse-

quently changed to Commonwealth avenue by an order taking effect March 1, 1887; and on December 8 of the same year the avenue was widened between these points from 60 to 120 feet. Another avenue was laid out by the Street Commissioners, under an order bearing date October 11, 1883, which extended from Brighton avenue (now Commonwealth) to Chestnut Hill avenue, terminating at the arch which forms the entrance to the Chestnut Hill Reservoir. This was given the name of Massachusetts avenue, so that for what was really one thoroughfare from the Public Garden to the Reservoir there was a trinity of name, — Commonwealth, Brighton, and Massachusetts. Massachusetts avenue was laid out on a magnificent scale, its width being 200 feet. The change of name from Massachusetts to Commonwealth took effect March 1, 1887, at the same time that Brighton avenue became a part of Commonwealth avenue. Massachusetts avenue had been laid out at an estimated expense of \$45,262, but many thousands of square feet of private land had been released to the city by the individual owners.

The financial outcome of this evolution is very interesting. In 1883 land in Aberdeen, which is now skirted by Beacon street, Commonwealth avenue, and Chestnut Hill avenue, could be bought by the acre at three cents a foot, while now it is held at prices which, roughly stated, vary from fifty cents to \$1.25 a foot. The entire land from which portions were taken for the laying out of Massachusetts avenue was assessed in 1883, just prior to the order of this Board, at about \$172,000; and in three years the remainders of those identical estates were assessed at about \$675,000. The final action of the commissioners, the order of January 5, 1895, by which Commonwealth avenue is extended to connect with Newton's Commonwealth avenue, was taken after due consideration of a petition from the Citizens' Improvement Association of Ward 25, which petition was signed by a large number of property-owners, in whose opinion the value of taxable property would be greatly enhanced by the extension, while affording themselves and others "participation in the great benefits accruing from the construction of such a magnificent driveway as the plans of the city of Newton contemplated." "This," said they, "is the more important, as, without the coöperation of the city of Boston, the said plans may be so changed as to prevent the employment of their advantages by diverging from this point to one not so desirable to your petitioners."

The plan the commissioners have adopted requires the removal of the arch at the entrance of the reservoir, and, if

desired, this arch might be placed farther inside the reservoir grounds, at the point where the present circular driveway will diverge from the Commonwealth-avenue extension. The extension will take a very small portion of the reservoir reservation, and then, skirting it on the northerly side, will connect with South street at a point a little east of Foster street. On account of the position of the old Evergreen Cemetery, which, even were it desired, could not be utilized except under authority conveyed by special legislation, the line of the extension is slightly curved. For the greater part of the way the extension, which is 120 feet in width, is practically a widening of South street, which was very narrow. There will be a reserve space through it for the use of street railways and for grass plotting, and this space will have a width of 25 feet.

#### THE NEW HUNTINGTON AVENUE.

On January 5, 1895, the Board of Street Commissioners ordered a consequential improvement to be made in Huntington avenue. As this entire thoroughfare has been laid out since this commission was created, less than twenty-five years ago, it is unnecessary to comment upon the rapid development of the sections opened up, and the enormous enhancement of values which followed the initiative liberal action. The first part of the avenue, that between Boylston street, at Copley square, and Camden street, was laid out by the commissioners November 1, 1875. The part between Camden street and Parker street was laid out May 24, 1881. These projects did not call for the expenditure of money, and the action of the commissioners did not, therefore, require the concurrence of the city government and the approval of His Honor the Mayor. The part between Parker street and Tremont street was laid out December 11, 1882, and the order of this Board, having passed the City Council, received the approval of His Honor the Mayor December 29 of the same year. Before these layings-out there were scarcely any buildings along the lines on which the avenue was subsequently built. It went through property which, including considerable low marsh land, was almost wholly unimproved. The melioration, as evidenced by the excellence of the many buildings already erected and others now being erected, amply demonstrates the wisdom of the undertaking. From Copley square to Gainsborough street the avenue was, from the first, 100 feet in width; but from Gainsborough street to Francis street at Tremont street the width was only 80 feet. By the action of this Board

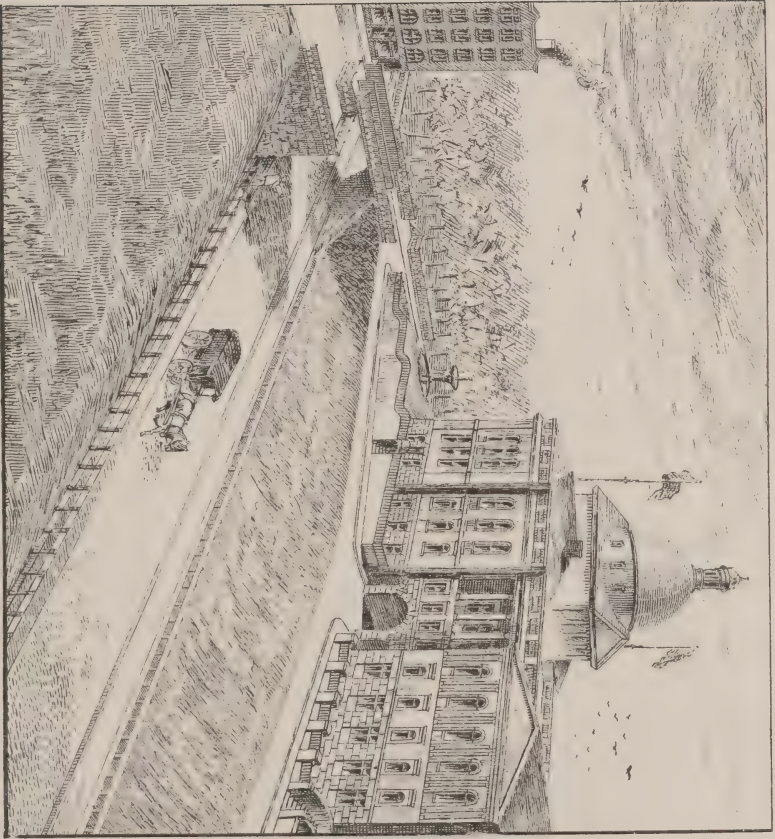
(January 5, 1895), taken under the provisions of chapter 416 of the Acts of 1894, the Board widened the avenue to 100 feet from Gainsborough street to Francis street, and extended it over a part of Tremont street to the boundary line of the town of Brookline, thus giving it a uniform width of 100 feet from Copley square, at Boylston street, to Francis street, and a width of 80 feet from Francis street to Brookline. The number of square feet of land taken for this widening was 182,561, at an estimated expense of \$230,353; and there were made in all, under the order of January 5, in accordance with the Act of 1894, sixty awards to owners of estates, to the amount of the estimated expense of the work, without the construction. In the middle of the avenue, from Copley square to Francis street, a reservation 25 feet wide has been made for the use of street railways and grass-plotting. As in the Beacon-street boulevard and Blue Hill avenue, the continuity of this reservation will be broken by the intersecting streets. The commissioners are satisfied that the widening brings into the market land which had seemed destined to remain unimproved for a very long time, and, unquestionably, it enhances the value of the avenue itself as one of the main arteries of travel between the business centre of Boston and Brookline, West Roxbury, and the country beyond. Its total length from Copley square through Roxbury to the Brookline boundary is about 12,000 feet. The observations made with regard to the assessment of betterments along the Columbus-avenue extension are equally pertinent here, but need not be reiterated.

#### PROJECTS FOR EASING TRANSIT BETWEEN THE COMMON AND THE UNION STATION.

An earlier opinion of the Board of Street Commissioners having been greatly strengthened by later and favorable circumstances, the Board now feels itself impelled to urge an improvement which before it only suggested. The need of a more nearly direct thoroughfare from the corner of Tremont street and Park street, at the Park-street church, to the great Union Station, seems to the commissioners to have passed beyond the range of argument, and what remains open for discussion is the selection of the line upon which this communication may be established. After a careful investigation of the whole subject, and having in mind the relative values of the various influences which certain physical changes would probably exert, the commissioners are convinced that Park street should be widened and extended

across Beacon street to connect with Bowdoin street; that Bowdoin street should be graded between Beacon street and Allston street, and widened between Beacon street and Cambridge street; that, from Cambridge street, Bowdoin street should be extended in a direct line to the square formed by the junction of Causeway, Merrimac, and Staniford streets. Several excellent arguments may be made for the carrying out of this plan. First, it offers the shortest of the available ways between the congested part of Tremont street and the neighborhood of the Union Station, about which, also, congestion is steadily augmenting. Second, it would open up for business purposes, and greatly enhance the value of a large amount of property which is now, in effect, remote, although in fact contiguous to the business centre of the city. Third, it would change the too seclusive position of the new State House to one of great prominence, exposing the magnificent perspective of the capitol extension to the view of thousands every day, while only meagre hundreds see it now.

Many of the street cars to and from the Union Station, which now crowd through the narrowest part of Tremont street, making haste slowly and causing other traffic to be tardy, could be diverted from Tremont street at Park street, thus not only relieving Tremont street in the section where the need of relief is greatest, but also making a better schedule of running time possible. As compared with the route which most of the depot cars now follow, the distance by Bowdoin street would be reduced fully one-third. The commissioners suggest that the proposed thoroughfare be 60 feet in width from Tremont street to Cambridge street, and that the Bowdoin-street extension, meaning the section that would have to be built from Cambridge street to Causeway street, be given a width of 80 feet. It seems fair to presume that much of the traffic coming up from Causeway street and the Union Station over this extension would be diverted by Green street, Cambridge street, and Court street, so that a width 20 feet less would be adequate for the traffic which would continue on from Cambridge street by the State House to Tremont street. In the opinion of the commissioners, the grade of Bowdoin street should be lowered about 19 feet at Beacon street, and about 28 feet at the summit of the hill, where, at the corner of Beacon Hill place, the Commonwealth building now stands. The estimated cost of the laying out is \$1,000,000. The cost of the excavation, or cutting down of the hill, would probably not be more than \$6,000, and the advantages to the real estate directly affected would be so important that in the judgment



BOWDOIN STREET, AFTER WIDENING, SHOWING BEACON STREET BRIDGE.



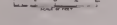




**STREET COMMISSIONERS PLAN**

SHOWING  
 PROPOSED WIDENING AND EXTENSION OF  
 BOWDOIN & HAWKINS STREETS

1895





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of the Board the grade damages would not be heavy. The entire undertaking could be carried through at an expense, estimated, of about \$1,500,000. The State has already acquired the property between Bowdoin street and the State House, from Beacon street to Derne street; and the portion of Temple street between Mt. Vernon street and Derne street has virtually been discontinued. The State could well afford to release to the city of Boston the land necessary for that part of the widening of Bowdoin street, in view of the greater prominence into which the capitol would immediately be brought. In order to make the connection between Park street and Bowdoin street direct, it would be necessary to disturb the Union Club building, near the corner of Park street and Beacon street; and beyond this, the damage would not in any individual case be large. On Bowdoin street from Ashburton place to Cambridge street the buildings are mostly dwellings, with a few small stores near Cambridge street. From this point to Causeway street, on the line which the extension would follow, there is a mixture of low-priced stores and dwellings.

The prospective demolition of the Tremont House, at the corner of Tremont street and Beacon street, has encouraged many citizens to hope for the immediate widening of Tremont street, between Park street and Beacon street. There is also a continued desire for the widening of Tremont street from Park street all the way to Scollay square. The Board estimates the expense of this undertaking to be \$2,300,000. Tremont street, at the Park-street church, by the Granary Burial-ground, is 63 feet in width. In front of the Tremont Temple, the width is 56 feet; and at the corner of Beacon street, between the Parker House and the Tremont House, it is only 53 feet. It is apparent that the sidewalks ought to be widened, but unless some action is taken, even the present width may not be allowed to continue. As only the portico of the Tremont House was built out to the line of the street there was a considerable portion of the sidewalk, which, although open to public use, was a part of the Tremont House estate, and the title was kept clear by the use of a fence once in 20 years. If the building which supersedes the Tremont House is built on the street line, the sidewalk at that point will be more inadequate than ever. It has been proposed to widen the street to 80 feet. This would require the moving back of the Park-street church, entailing the demolition of the building which now stands immediately in the rear of it; the taking of a portion of the Granary Burial-ground, which the city owns in fee, though settlement would have to be made with the lot owners; and the

appropriation for public use of a portion of the Tremont House property.

In connection with this matter, the commissioners desire to again draw attention to the need of a direct thoroughfare from Scollay square to the Union Station. Sudbury and Hawkins streets should be widened to 60 feet, and Hawkins street should be extended in a direct line, at the same width, from Chardon street to Causeway street. The total cost of the widenings and the extension is estimated to be \$500,000. Whether or not Tremont street is widened from the Common to Scollay square, or from the Common to Beacon street, it would be a wise and an efficacious enterprise to shorten, in accordance with the plan described, the distance between Scollay square and the termini of the northern railways. The distance between the Park-street church and the Union Station by this proposed way would be 2,600 feet, or 40 feet less than half a mile. The distance from the Park-street church to the Union Station by the improvement and extension of Bowdoin street would be 2,300 feet, or 300 feet less than the distance by Hawkins street. The chairman of the Board of Aldermen has already petitioned the General Court, in accordance with the request of the Master Teamsters' Association, — upon which request favorable action was taken by the Board of Aldermen, — for authorization to borrow money outside the debt limit for the purpose of widening and extending Cross street, a scheme which, substantially, was suggested by the Board of Street Commissioners in its annual reports of 1892 and 1893. While financial plans for the carrying out of permanent improvements are under consideration, the Board feels justified in urging that the two projects herein set forth be accorded narrow scrutiny. If but to recommend a thing were to accomplish it, the commissioners might easily describe a variety of street improvements which would be beneficial; but they feel that these are of paramount importance, and they make no other recommendations, hoping those they have made may ultimately be acted upon.

#### LIST OF STREETS, PLACES, COURTS, ETC.

As an addition to this report, the Board has prepared a list, supposed to be complete, of all the streets within the whole city, with a record of any and all changes in names, dates of laying out, acceptance, etc.; this list will undoubtedly be very useful to city officers, as well as to conveyancers, real-estate brokers, and others, and will certainly be of great assistance to this department, and save very many

hours in the course of a year in the matter of looking up dates, records, etc., contained therein.

The preparation of this nomenclature of streets accounts somewhat for the delay in the publishing of this report.

Respectfully submitted,

JOHN P. DORE,  
ISAAC S. BURRELL,  
JOHN H. DUANE,

*Street Commissioners.*

## BOARD OF STREET COMMISSIONERS.

*Organized January 2, 1871.*

1871-1872.

JOSEPH SMITH,  
CHRISTOPHER AUGUSTUS CONNOR,\*  
ISAAC SANDERSON BURRELL.

1873-1878.

JOSEPH SMITH (died Dec. 26, 1878),  
ISAAC S. BURRELL,  
NEWTON TALBOT.

1879-1882.

NEWTON TALBOT,  
ISAAC S. BURRELL,  
ISAAC HULL WRIGHT.

1883-1886.

ISAAC HULL WRIGHT (died Dec. 22, 1886),  
ISAAC S. BURRELL,  
JOHN P. DORE.

1887-1890.

JOHN P. DORE,  
ISAAC S. BURRELL,  
HUGH E. BRADY.

1891-1894.

JOHN P. DORE,  
ISAAC S. BURRELL,  
JOHN H. DUANE.

J. H. Jenkins, Clerk, 1871 to 1891.

J. W. Morrison, Secretary, 1891 to 1895.

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\* Died March 6, 1879.

APPENDICES.

## APPENDIX A.

The suggestion made in the report of 1893, relating to the preparation of a list of the names of streets, courts, places, etc., included in the whole city, giving dates of acceptance and laying out, former names, etc., has been carried out, and the work begun in 1882 by Mr. James R. Carret, under contract with the city of Boston, has at last been completed by the Street Commissioners.

Under date of December 27, 1882, Mr. Carret agreed "to prepare for the city of Boston a record of the names of streets in said city as found in its records and in the records of the several cities and towns which have become a part of said city by annexation, said record to be alphabetically arranged and to embody such information in relation to names of streets in said city as said Carret may obtain from other sources." Mr. Carret in 1887 carried out a part of his contract and delivered to the city a list which included all street names with their records embraced under letter A, since which time very little work has been done by him in the matter. Early in the year 1895, Mr. Carret finding himself unable to complete his contract, delivered to the Street Commissioners all papers and records relating to this subject at that time in his possession, including a list of streets embraced under the other letters of the alphabet, but needing very many additions and corrections to bring it to date. This work has now been accomplished, and is herewith presented, together with two maps, showing Boston proper as far south as Dover street; one of 1722, giving the names as they existed at that time, and the other showing them as they are to-day.

Of course this work has not been carried out exactly on the lines laid down by Mr. Carret, it being impossible to devote the necessary time to look into the records of the Registry of Deeds so thoroughly and so completely as a conveyancer would, giving references to plans, deeds, etc., but the list will be found to be more nearly complete and correct as to names and dates than any heretofore published.

The first official list of highways in Boston was made by the selectmen in 1708, when, under date of May 3, it was "Ordered, that the Streets, Lanes and Alleys of this Town as they are now bounded and named be accordingly recorded in the Town Booke." In 1732 a list of streets was published, showing that changes had already begun to be made in the names of old streets; a supplementary list was reported by the selectmen July 4, 1788; in 1800 a list of streets was printed by Benjamin Edes & Son, which was reprinted in the Boston Directory for 1860. The next list ap-



peared in Shaw's "History of Boston" in 1817; in 1834 a committee of the Board of Aldermen submitted a list and report, — more complete than any yet published, and very interesting in many particulars; in 1842 again a committee of the Board of Aldermen reported a list of streets which had been laid out, discontinued, or named since 1834; in 1860 the Board of Aldermen authorized the preparation of an index to the plans contained in the records in the Suffolk Registry of Deeds, and Mr. Francis Lincoln, the compiler of this index, prepared a list of the names of streets, so far as they could be ascertained, and of the changes which had been made from time to time, which list was deposited in the Registry of Deeds, where it has been of great value to conveyancers and others engaged in searching titles. Mr. Lincoln's list, corrected and revised, formed the larger part of a report made in 1879 (Doc. 119) by the Joint Standing Committee on Ordinances, in which, under Appendix J, was given a list supposed to contain all streets in Boston proper *only*.

All the foregoing lists, together with maps and plans in the City Surveyor's office, the Boston Directories, Bromley's atlases, etc., have been consulted in the compilation of this list, and particularly has the information given to the Board by Mr. Carret been used as a basis for its completion.

It is considered important that the act relating to naming new streets and renaming public streets should form a part of this appendix, notwithstanding it was included in the appendix of the report of 1893.

Chapter 67 of the Acts of 1880, as amended by chapter 278 of the Acts of 1884, is as follows :

SECTION 1. From and after the date of the passage of this act, no name shall be newly assigned to any public way in the city of Boston by which any other public way is already called, whether under the title of street, avenue, court, place, alley, or other descriptive title; but any way not affording continuous passage for teams between two other ways may [in the discretion of the Board of Street Commissioners of said city] be termed a court or place, and receive the name of any way with which it communicates. And any extension or continuation of a public way may be called by the same name.

SECT. 2. The names of all public ways hereafter laid out by the Board of Street Commissioners of the City of Boston shall be fixed by a vote of said Board [after a hearing upon a public notice stating the name proposed to be given]. Such vote shall take effect upon such laying out, shall be published in such manner as said Board shall direct, and shall be certified by the clerk of said Board to the Register of Deeds for the County of Suffolk. The names of all public ways not already fixed, and changes in the names of ways, may be made by the same authority, confirmed by the Board of Aldermen of said city, and not otherwise. Such changes shall take effect on the FIRST DAY OF MARCH of each year, shall be published in such manner as the Board of Aldermen shall direct, and shall be certified by the City Clerk to the Register of Deeds for the County of Suffolk,

SECT. 3. Chapter one hundred and ninety-nine of the laws of eighteen hundred and sixty-eight is hereby repealed.

This act took effect upon its passage, March 8, 1880.

## DATE OF ANNEXATIONS.

Norfolk County, set off, June 20, 1793.

South Boston, under the name of "Dorchester Point" (from Norfolk County), March 6, 1804.

Washington Village (formerly part of Dorchester, from Norfolk County), May 21, 1855.

Back Bay (from Norfolk County), April 25, 1859.

Roxbury (from Norfolk County), January 6, 1868.

Dorchester (from Norfolk County), January 3, 1870.

Brookline (portion of, from Norfolk County), November 4, 1870, and May 8, 1874.

West Roxbury (from Norfolk County), January 5, 1874.

Charlestown (from Middlesex County), January 5, 1874.

Brighton (from Middlesex County), January 5, 1874.

# The TOWN of BOSTON

I have examined this plan and find it to be an exact copy of the original  
*Stephen S. Fuller*  
 Boston July 2 1855

## IN New England

by  
**Cap<sup>t</sup> John Bonner**

1722  
 Etatis Sux 60.

Engraved from a copy in the possession of W<sup>m</sup> Taylor Esq.  
 and published by  
 GEORGE C. SMITH & COMPANY  
 1867 No. 21 Washington opposite State Street Boston.  
 1835.



Scaled 1/4 Mile.

BOSTON: N.E.		EXPLANATION.	
Planted An. Dom.	1630	a. Town House.	
A. The Old Church.	1630	b. Governours House.	
B. Old North.	1650	c. South Grammar School.	
C. Old South.	1650	d. North Grammar School.	
D. Annabaptist.	1680	e. Writing School.	
E. Ch. of England.	1688	f. Writing School.	
F. Brattle St. Church.	1699	g. Alms House.	
G. Quakers.	1710	h. Bridewell.	
H. New North.	1714	Streets 40	Lanes 36
I. New South.	1716	House	near 3000.
K. French.	1716	1000 Brick	rest Timber.
L. New N. Brick.	1721	Near 12	1000 People.

Great Fires.		Genl.	
First.	1653	Small Pox.	
Second.	1676	First.	1640
Third.	1679	Second.	1660
Fourth.	1683	Third.	1677
Fifth.	1690	Fourth.	1689
Sixth.	1691	Fifth.	1690
Seventh.	1702	Sixth.	1702
Eighth.	1711		

THE

BOSS

IN

NEW YORK

1751

1751

Printed and Sold by J. B. B. B. B.

Printed and Sold by J. B. B. B. B.

1751



C H A R L E S R I V E R

CHARLES RIVER EMBANKMENT

Union Station

R I V E R

P A R K

W. 6

W. 10

W. 9

W. 7

W. 16

W. 12

MAP OF BOSTON

For south as Dover Street showing present Street names

1895

SCALE 300 FT. = 1 INCH

COLOR SHOWS ORIGINAL SHORE LINE.

J. B. Brigham  
Litho. by  
Litho. Co.



## APPENDIX B.

LIST OF STREETS, COURTS, PLACES, ETC.,  
IN BOSTON.

## EXPLANATION.

The date following the name is supposed to be the time at which the street or way first received that name.

Streets marked with a \* are, in the opinion of the Street Commissioners, public highways.

Streets marked with a † are public in part.

B. . . . Boston Proper, prior to annexation of Roxbury in 1868.

ROX. . . . Roxbury, as it existed at time of annexation in 1868.

DOR. . . . Dorchester, as it existed at time of annexation in 1870.

SO. B. . . . South Boston, as it existed in 1870.

E. B. . . . East Boston, including Breeds Island.

CHSN. . . . Charlestown.

BRI. . . . Brighton, as it existed at time of annexation in 1874.

W. ROX. . . West Roxbury, as it existed at time of annexation in 1874.

- A street, B.**, 1828-30; from Mill-dam (now Beacon st.) to Sumner (formerly Olive, now Mt. Vernon) st., established in 1828; includes part of unnamed passageway about 20 feet wide, established in 1804; name changed to River st., 1843.
- A street, B.**, 1860; from Berkeley st., west, across Clarendon st., now part of St. James av.
- \*A street, So. B.**, 1804; from Dorchester av. to Congress st. (formerly Eastern av.); laid out from Turnpike st. to Broadway, Feb. 27, 1805; ordered built from Broadway to the sea, Sept. 9, 1844; Midland st. included in A st. by change of name, April 20, 1868; A st. relocated by Board of Aldermen from north-east line of Fifth (now W. Fifth) st. across Eastern av. (now Congress st.) to "limit of solid structures," Nov. 17, 1868; part of same laid out again by Street Commissioners from "present northerly terminus" to Eastern av. extended, March 14, 1879.
- A street, Rox.**, 1872; from Parker st. to Halleck st.; called New st., 1884; now Archibald st.
- A street, Dor.**, 1892; from Pleasant st. to Sumner st.; authority to open given by Street Commissioners, May 4, 1892; now called Trescott st.
- A street, W. Rox.**, 1868; from Boylston st. to Spring Park av.; laid out under name of Adelaide st., Nov. 17, 1893.
- A street, W. Rox.**, 1877; from Forest Hills st., west, between Morton st. and Keyes st.; partly closed.
- \*Abbott street, Dor.**, 1872; from Blue Hill av. to Harvard st.; projected, 1872; laid out, Dec. 29, 1880.
- Abbotsford street, Rox.**, 1894; from Walnut av. to Harold st.; authority to open given by Street Commissioners, May 31, 1894.

- Abbott street**, So. B., 1859; from Dorchester av., between Hyde st. and Kemp st., to Richardson av.
- Abbott street**, W. Rox., 1890; east from Willow st. near Weld st.
- Aberdeen' street**, Rox., 1871; from Beacon st. to Brookline Branch of B. & A. R.R.
- Abney place**, Rox., 1850; from Eustis st., north-east, crossing end of Mall st.; part from Eustis st. to Mall st. formerly part of lower road from Roxbury to Dorchester; part from Mall st., north, formerly part of ancient way called road to the town landing, which existed as early as 1796; now Dearborn st.
- Abutters' court**, So. B., 1852; from Dorchester turnpike (now av.), south-east next south from junction of Boston (now Dorchester) st.; now part of Preble st.
- Academy Hill street**, or road, Bri., 1873; from Chestnut Hill av. to High school; laid out, Dec. 17, 1873 and accepted conditionally, Dec. 30, 1873.
- Acadia court**, Dor., 1870; from Dorchester av. east, between Ashmont st. and Beale st.
- Acadia street**, Rox. and W. Rox., 1869; from School st. to Atherton st.; now Arcadia st.
- Acorn street**, B., 1823; from Willow st. to West Cedar st.
- \***Acton street**, B., 1864; from Washington st. to Bradford st.; part from Washington st., west, called Washington court, in 1845; extended to present bounds and called Marlboro' st. in 1857; name changed to Acton st., Feb. 24, 1864.
- Adams court**, B., 1837; from Washington st., south-east to Waltham st.; from Washington, east, called Adams pl. in 1837; part of included in extension of Waltham st. in 1850.
- Adams court**, Dor., 1865; south of East st.; Hall's court, so called; laid out as a part of Hecla st., Aug. 30, 1892.
- Adams place**, B., 1845; from North Anderson st. to Blossom st.; same from Bridge (now North Anderson) st. to Blossom st. called Bridge-st. av., 1832; name changed to Adams pl. in 1845.
- Adams place**, B., 1837; from Washington st., east, nearly opposite Waltham st., which upon its extension east, in 1850, crossed and included part of Adams pl.; the remainder now called Adams court from Washington st. to Waltham st.
- Adams place**, So. B.; from E st. near West Third st., north-west.
- Adams place**, Rox., 1862; from Washington st. north-west, then north-east to Williams st.; shown as a "passway" in 1816.
- Adams place**, Chsn.; from Lincoln st., north-west.
- Adams place**, Bri., 1885; from Everett st., east, near Lincoln st.; sometimes called Adams st.
- \***Adams square**, B., 1879; the area at the junction of Brattle st., Cornhill, Washington st. and Devonshire st. so named Nov. 17, 1879.
- \***Adams street**, B., 1788; from bottom of Water st. to Milk st.; called Cooper's alley in 1708; Kilby st. in 1769; previous to 1784 called also Miller's lane; named Adams st., July 4, 1788; after naming of Liberty sq. considered to extend from Liberty sq. to Milk st.; included in Kilby st., July 6, 1824.
- \***Adams street**, B., 1846-1850; from Sudbury st. to Ivers (now Chardon) st.; called Distill-House sq. in 1769; name changed to Adams st., Sept. 9, 1850; widened and name changed to Bowker st., April 20, 1868.
- \***Adams street**, Rox., 1836; from Hampden st. to Dudley st.; first mentioned, Oct. 22, 1836; laid out from Eustis (now Dudley) st. to East (now Hampden) st., Sept. 8, 1856.



- Adams street**, Rox., 1849; from Warren st. to Cliff st.; name changed to Myrtle st. before March 19, 1860; now Glenwood st.
- \***Adams street**, Dor., 1840; from Eaton sq. (Meeting House Hill) to junction Washington st. and Dorchester av. at Lower Mills; formerly called Lower road from Roxbury to Milton, or Lower road to Milton, or Lower road to Boston, or the Lower road; named Adams st. from Captain Eaton's to Lower Mills, March 11, 1840.
- Adams street**, W. Rox., 1871; from Gardner st., north-east, on Cow Island.
- \***Adams street**, Chsn., 1828; from Winthrop st. to Chelsea st.; staked out by selectmen from Mr. Townsend's corner to Mr. Breed's dam pasture and approved by the Town in Aug., 1797; this was the old way from the training field (now Winthrop sq.) to the "dam pasture" before the laying out of the Salem turnpike; Common st. and Adams st. laid out around Winthrop sq. and boundaries defined, Jan. 26, 1848.
- Adams street**, Bri., 1846; from Everett st., east, near Lincoln st.; sometimes called Adams pl.
- Addison avenue**, W. Rox.; from Centre st. to White av. (now Custer st.); laid out with the name of Ballard st., Oct. 3, 1891.
- Addison street**, E.B., 1838; from Saratoga st. to Chelsea st. at bridge.
- Adelaide street**, W. Rox., 1893; from Boylston st. to Spring Park av.; laid out, Nov. 17, 1893; formerly A st.
- Adelaide terrace**, W. Rox., 1874; from La Grange st., north-east, across south end of Bellevue park; included in West Roxbury Parkway in 1894.
- Ætna place**, B., 1837; from Short (now Kingston) st., west, near Bedford st.; now built over.
- Agassiz avenue**, W. Rox.; from Gould st., north-west, to Sunnyside av., near junction Weld st. and Arnold st.
- Agassiz park**, W. Rox.; from Burroughs st., south-west.
- Agawam street**, Dor.; from Train st. to Neponset av.; authority to open given by Street Commissioners, Sept. 8, 1891.
- Akron place**, Rox.; from Akron st., north-east.
- \***Akron street**, Rox., 1845; from Alpine st. to Regent st.; laid out, Nov. 6, 1872.
- Alaric street**, W. Rox., 1870; from Spring st. near West Roxbury Branch R.R., south-east, then north-east to Centre st.
- \***Alaska street**, Rox., 1870; from Blue Hill av., north-west, to Perrin st.; formerly Allston st.; name of Allston st. changed to Alaska st., April 21, 1868.
- Alba court**, B., 1844; from School st., north, near Washington st.; closed.
- \***Alban street**, Dor., 1873; from Ashmont st. to Welles av.; laid out, Dec. 29, 1873.
- \***Albano street**, W. Rox., 1852; from Washington st. (formerly Dedham turnpike, and later Shawmut av.) south-east to Kittredge st. (formerly Roslin av.); laid out, Aug. 18, 1879.
- Albany avenue**, Rox., 1874; from Dudley st. between Greenville st. and Mt. Pleasant av., south-west; now Oakland av.
- Albany place**, B., 1857; from Albany st., west, near Harvard st.
- \***Albany street**, B. and Rox., 1839; from Beach st. in Boston to Eustis st. in Roxbury; projected in 1839 by South Cove Corporation from Beach st. southward; extended by said corporation to Troy st. in 1845; extended by city to Roxbury creek (canal) April 21, 1855; extended across Roxbury canal and Roxbury Town wharf or landing-place to

Northampton st., June 30, 1868; Davis st. in Roxbury, from Northampton st. to Eustis st. named Albany st., April 21, 1868; this street in Boston was accepted in portions as follows:

Beach st. to Harvard st., Aug. 10, 1847; Harvard st. to Oak st., Oct. 10, 1853, "provided the South Cove Corporation convey the same to the city;" Oak st. to East Orange (now Way) st., Dec. 17, 1855; part from East Orange st. to Rochester st. and part from Rochester st. to Troy st. seem never to have been expressly accepted; Troy st. to Dover st., Dec. 22, 1865; Dover st. to Malden st., Dec. 28, 1858, and May 28, 1859; Malden st. to Springfield st. (now discontinued), Sept. 4, 1866; part from Springfield st. to Roxbury canal seems not to have been expressly accepted.

\***Albemarle street**, B., 1879-80; from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Jan. 19, 1880.

**Albert place**, Dor.; from Adams st., between Park st. and Gibson st., west.

**Albert street**, So. B.; from Abbott st. to Kemp st. \*

†**Albert street**, Rox., 1872; from Heath st., south-west, across Bromley park and adjoining B. & P. (now N.Y., N.H., & H.) R.R.; laid out from Heath st. to Bromley park, May 15, 1874.

\***Albion court**, Chsn., 1857; see Albion pl.

\***Albion place**, Chsn., 1875; from Main st., north-east; laid out and accepted as Albion court, Sept. 7, 1857; name changed to Albion pl., Dec. 31, 1875.

\***Albion street**, B., 1849; from Dover st. to Castle st.; part from Dover st. north called Tuckerman st. in 1831; also called Parkman st., 1846-49; named Albion st., 1849; extended Nov. 20, 1855, from point about 42 feet south-west from Gardiner st., north-east, across Gardiner st. to Castle st.

\***Albion street**, Dor., 1862; from Dudley st. to Clifton st.; laid out, Aug. 12, 1869.

**Albion street**, W. Rox., 1848; from Ashland st. to Florence st.; shown on plan from Poplar st., north-east; same part called Arnold pl., 1843-49; part from Poplar st. to Ashland st. shown as part of Mt. Vernon st., 1874; same part laid out and name changed to Sycamore st., July 6, 1880.

**Albion street**, W. Rox., 1870; from Shawmut av. (now Washington st.), south-east; probably same as Albano st.

**Albright court**, Dor.; from Boston st., east, to Sumner st.; shown as an unnamed court in 1846.

\***Alcott street**, Bri., 1892; from Franklin st. to Mansfield st.; authority to open given by Street Commissioners, April 20, 1892; laid out, July 19, 1893.

**Alden court**, B., 1824; from Alden st., north-west.

**Alden lane**, B., Alden st. formerly so called; earlier Alden's lane.

**Alden place**, W. Rox.; from Green st., north-east, near Washington st.

\***Alden street**, B., 1846; from Court (formerly Cambridge) st. to Sudbury st.; called Alden's lane, 1732, and that name confirmed by selectmen, July 4, 1788; later sometimes called Alden lane; called Copeland's lane, 1820-29; Alden or Alden's lane again, 1829-46; named Alden st., July 20, 1846.

**Alden's lane**, B., 1732; from Cambridge (now Court) st. to Sudbury st.; now Alden st.

**Alder street**, W. Rox., 1872; from Bellevue av., south-east, to Roslindale av.

- Alder street**, W. Rox.; from Mt. Vernon st. to Keith st., between Libby st. and Carroll st.
- \***Aldie street**, Bri., 1890; from Franklin st. to Everett st.; laid out from Franklin st. to Athol st., Nov. 7, 1890; laid out from Athol st. to Everett st., Dec. 28, 1892.
- Aldine street**, B.; from Atlantic av., south-east, to Gilbert pl.
- Aldrich street**, W. Rox.; from Beech st. to Brandon st.; authority to open between Beech st. and O.C. (now N.Y., N.H., & H.) R.R. given by Street Commissioners, Dec. 1, 1891.
- Alexander avenue**, Dor., 1873; from Dudley st., south-west, crossing Lebanon st. and Oleander st.; laid out as Alexander st., between Dudley st. and Oleander st., July 14, 1890.
- \***Alexander street**, Dor., 1873; from Dudley st. to Oleander st.; formerly called Alexander av.; laid out, July 14, 1890.
- Alford avenue**, Chsn., 1870; Alford st., from Main st. northward so called.
- \***Alford street**, Chsn., 1848; from Main st., northward to Malden bridge, and from north end of Malden bridge northward to County line; formerly called Malden road, being County road through Malden; so called in records of 1803; named Alford st., from Main st. to Malden bridge, March 24, 1848; altered, laid out 60 feet wide and accepted, Dec. 21, 1869; discontinued as a public street, Feb. 15, 1870; same altered, accepted and laid out 50 feet wide, Feb. 15, 1870; same as laid out Dec. 21, 1869, again discontinued, June 28, 1870, same altered, accepted and laid out 50 feet wide, June 28, 1870; sometimes called Alford av.
- Alford street**, Chsn., 1858; a way leading from "Broadway" (now Main st.) opposite the public street named Alford st., south to Sever st.; discontinued and added to Sulliv sq., Oct. 6, 1868.
- Alford's corner**, B., 1728; corner of Beacon st. and Centrey or Century (now Mount Vernon) st., then so called.
- \***Alfred street**, W. Rox., 1881; from Green st., south-west, to Seaverns av.; laid out, July 19, 1881.
- \***Alfred street**, Ch's'n, 1810; from Summer st. to Bartlett st.; conveyed to Town for public highway by Oliver Holden, July 17, 1810; afterward made part of School st.
- Alger street**, So. B., 1856; part of street now Tudor st., on both sides of E st.
- Alger street**, So. B., 1857; from Dorchester av., south-east, nearly to Dorchester st.
- \***Algonquin street**, Dor., 1891; from Washington st. to Harvard st.; authority to open given by Street Commissioners, June 24, 1891; laid out, June 22, 1894.
- Allan or Allen place**, Bri.; from Washington st., north, near Oakland st.; called Allan pl., 1875; Allen pl., 1885.
- \***Allendale street**, W. Rox., 1863; from Centre st., north-west, opposite Arnold Arboretum; laid out as a public street from Centre st. to Brookline line, April 7, 1885; at one time called "Franklin av. or Allendale st."
- Allard court**, Rox., 1876; from Pynchon st. (now Columbus ave.) south-east; named, Dec. 5, 1876.
- Alleghany Lawn street**, Rox., 1860; mentioned as a private street in Roxbury city records; not identified.
- †**Alleghany street**, Rox., 1845; from Terrace st. to Calumet st.; portion between Parker st. and Terrace st. called Parker pl.; laid out between Terrace st. and Parker st., Oct. 2, 1877; authority to open the portion from Delaware st. to a point beyond Pontiac st., given by Street Commissioners, April 12, 1894.

**Allen court, B.;** from Allen st., north, between Allen court and Chambers st.; also called Allen's court.

**Allen place, B., 1844;** from Allen st., between Spring st. and Chambers st.; also called Allen's pl.

**Allen place, Rox.,** from Roxbury st., north-east, between Shawmut av. and Linden park.

**Allen place, Bri.;** see Allan pl.

\***Allen street, B., 1829;** from Chambers st. to Charles st.; opened in 1729, by John Allen, as a 40-foot highway from his 30-foot way (later Shute st., afterward Wiltshire st., now part of Chambers st.) westward to another 30-foot way, near the position of the later Copper st., now Brighton st.; named Allen's st., July 4, 1788 (Selectmen's list), and there described "From Shute st., westerly, by Capt. Job Prince's to Cambridge st.," which indicates a way not shown on any map, turning southerly therefrom to Cambridge st., and called by the same name; called Allen's lane, 1800; shown on Carleton's map, 1800, from Wiltshire (formerly Shute) st., west to Charles River; called Green or Green's lane, 1803; called North Allen st., about 1807; name changed to Allen st., April 1, 1829; extended from Brighton st. to Charles st., Oct. 29, 1870.

**Allen street, W. Rox., 1872;** from Anawan av., south-east, between Farington av. and Irving st.

**Allen street, W. Rox., 1884;** from Brown av. to Rowe st., at Mt. Hope; shown as an unnamed street in 1874.

**Allen street, Ch's'n, 1867;** from Main st. to Rutherford av.

**Allen-street court, Ch's'n;** from Allen st. to Thorndike st.

**Allendale street, W. Rox., 1863;** from Centre st., north-west; now part of Allandale st.

**Allen's corner, B., 1732;** cor. of Ann (now North) st. and Wentworth's lane (now Barrett st.), then so called.

**Allen's court, B., 1836;** from Allen st., north.

**Allen's court, E.B.;** from Paris st. to Havre st., near Decatur st.

**Allen's highway, B.;** a way established by John Allen in 1717, probably from end of Green lane (now Green st.) north, then curving westward and again running straight north-west toward, but not to, Charles River; shown as "Mr. John Allen's 30-foot highway" on plan made in 1725, and there extended to the river; see an obscure indenture made in 1728, by which probably the line of way at the northerly end was changed and extended to the river; called for many years "Allen's highway"; the southerly part "from Green st. up the hill to Mr. Russell's rope-walk" (*i.e.*, as far as present position of Poplar st.), named Shute st., July 4, 1788; substantially same part called in Edes list and marked on Carleton's map, both 1800, Wiltshire st.; latter included in Chambers st. by change of name, 1812; from the Selectmen's list and Carleton's map it appears that the portion of this way north of the present Poplar st. had been abandoned; the part of Gravel st., from Poplar st. northward, seems to have been in the position of this northerly part of Allen's highway.

**Allen's lane, B., 1800;** the present Allen's st., named Allen's st. in 1788.

**Allen's lane, B., 1733-89;** from Orange (now Washington) st., east, opposite Nassau (now Common) st. to the harbor; now closed.

**Allen's plain, Dor., 1823;** part of Pleasant st. between Cottage st. and Savin Hill av., then so called.

**Allen's street, B., 1788;** the present Allen st., so named July 4, 1788.

**Allerton street, Rox., 1872;** from Gerard st., south-east, near Farnham st.

- Allston Heights, Bri.**; from Cambridge st., south, opposite Gordon st.; shown as an unnamed street on plan dated 1868.
- Allston place, B.**, 1839; from Somerset pl. (now Allston st.), south.
- Allston place, Rox.**, 1858; from Warren st. opposite Walnut av.; name changed to Rockville pl., April 21, 1868; named Rockville park, Feb. 9, 1885.
- Allston square, Bri.**, 1872; from Allston st., south-east; shown as an unnamed street on plan dated 1857; called Allston-square st., 1875.
- Allston-square street, Bri.**, 1875; Allston sq., so called in 1875.
- \***Allston street, B.**, 1842; from Bowdoin st. to Somerset st.; called Somerset pl. in 1807; named Allston st. in 1842.
- \***Allston street, Rox.**, 1856; from Blue Hill av. to Perrin st.; projected, Sept. 25, 1856; accepted, July 27, 1863; name changed to Alaska st., April 21, 1868.
- \***Allston street, Dor.**, 1863; from Centre st. to Melville av.; laid out, Jan. 20, 1872.
- \***Allston street, Chsn.**, 1854; from Bunker Hill st. to Medford st.; shown as an unnamed street on plan dated 1841; laid out, Oct. 4, 1854.
- \***Allston street, Bri.**, 1853; from Washington st. to Brighton av.; shown as an unnamed street on plan dated 1847; laid out by County Commissioners from Summit av. (formerly Prospect st.) to Washington st., Sept. 1, 1867; laid out by Selectmen from North Beacon st. (now Brighton av.) to way (now Summit av.) formerly Prospect st., May 9, 1870, and same accepted by Town, June 24, 1870.
- Alma street, Dor.**; from Morton st., near Norfolk st., to Hildreth st.
- Almont place, B.**, 1846; from Blossom st., west.
- Almy street, Bri.**, 1892; from Seattle st. to Windom st.; laid out as Amboy st., July 18, 1892.
- Alna place, E.B.**, 1853; from Webster st., south-west, toward Marginal st.; originally branching on both sides, making a way T shaped.
- Alpine avenue, Dor.**, 1845; from Grampian way to Indian way; closed in part and part included in Woodland av.
- Alpine avenue, W. Rox.**, 1847; from Poplar st., north-east, to B. & P. (now N.Y., N.H. & H.) R.R.; called Belmont av., 1843-49; now Brown av.
- Alpine place, Rox.**; from Alpine st., north-east, then north-west, with two openings into Alpine st.
- \***Alpine street, Rox.**, 1845; from St. James st., south-west, then south-east to Regent st.; laid out, Nov. 6, 1872.
- Alpine street, Dor.**; from Arcadia st. to Robinson st.; shown on plan dated 1871, as "Draper st. formerly Alpine st."
- Alpine terrace, Rox.**; from Circuit st., near Washington st., to Alpine st.
- Alpine way, Dor.**, 1883; from "Rockland" (formerly part of Alpine, now part of Woodland, av.), north-east, then east; probably part of former Alpine av.
- Alston place, Rox.**, 1860; mentioned as a private street in Roxbury city records; same as Allston pl.
- Alton place, B.**, 1857; from Endicott st., east, near Cooper st.; called Walters court in 1853; closed.
- Alton place, Rox.**; from Longwood av., between Parker st. and Phillips st., south-west.
- \***Alveston street, W. Rox.**, 1858; from Seaverns av. to Greenough av.; part shown as part of Roanoke av. on plan dated 1847; laid out, Dec. 8, 1882.

- \***Amboy street**, Bri., 1892; from Seattle st. to Windom st.; formerly called Almy st.; laid out, July 18, 1892.
- \***Ambrose street**, Rox., 1886; from Albany st. to Chadwick st.; Hartopp pl. laid out as a public street, Dec. 13, 1870; name changed to Ambrose st., March 1, 1886.
- Amee place**, B., 1855-82; from Shawmut av., south-east, near Arnold st.; included in Woodbury st. in 1882.
- Ames court**, So. B., 1864; from Ames st., south-east.
- Ames street**, So. B., 1864; from Dorr st., north-east, to O.C. (now N.Y., N.H., & H.) R.R.
- Ames street**, Bri.; from Dix st. to Madison av., closed.
- †**Amherst street**, W. Rox., 1881; from Brandon (formerly Williams) st. to Dudley av.; formerly called Cottage st. between Brandon st. and Prospect (now Penfield) st.; laid out between Brandon st. and Prospect st., Sept. 14, 1881.
- Amity street**, E.B.; from Swift st. to Harmony st.
- Amory avenue**, Rox.; from Amory st., west, between Centre st. and Dimock st.
- \***Amory street**, Rox. and W. Rox., 1868; from Centre st. near Hog bridge, Rox., to Boylston st., W. Rox.; name of part of School st., from Centre st. to Boylston st., changed to Amory st., April 21, 1868; name of part of Boylston st. from junction of Boylston av. to junction of Amory st. and School st. changed to Amory st., Feb. 16, 1882.
- Amory's corner**, B., 1784; cor. of State st. and Leverett's lane (now Congress st.), then so called.
- \***Anawan avenue**, W. Rox., 1872; from Park st. to Central station B. & P. (now N.Y., N.H. & H.) R.R.; laid out, July 9, 1879.
- Anchor street**, So. B.; from B st. to E st., north-east of and parallel with W. First st.
- Anderson court**, B., 1862; from Anderson st. east, between Cambridge st. and Phillips st.
- Anderson place**, B., 1864; from Anderson st., east, between Cambridge st. and Phillips st.
- Anderson place**, Dor.; from Washington st., west, between Algonquin st. and School st.
- \***Anderson street**, B., 1861; from Cambridge st. to Pinckney st.; originally Centre st., established by Jeremiah Allen in 1729 from Cambridge st., south, to point 88 feet south from May (now Revere) st.; appears as Centre st. in 1800; and as Centre st. (west), from Cambridge st. to Myrtle st. in 1817, later called W. Centre st.; extended to Pinckney st., 1833; name of W. Centre st. changed to Anderson st., May 21, 1861.
- Andover court**, B., 1844; from Andover st., south; closed.
- \***Andover street**, B., 1837; from Causeway st. to Minot st.; accepted and laid out, July 19, 1852; taken, April 6, 1870, by Boston & Lowell R.R. Corporation, by virtue of chap. 291, Acts of 1869; now built over.
- Andrew place**, B.; from Andrew st., east, to Thorn st.
- \***Andrew square**, So. B., 1891; square at the junction of Dorchester av. and Dorchester, Swett, Boston and Preble sts. named Andrew sq., March 5, 1891.
- Andrews road**, Bri., 1892; from Coolidge st. to Holland road (now Hooker st.); laid out under the name of Arden st., Aug. 26, 1892.
- Andrews street**, B., 1874; from E. Canton st. to E. Dedham st., between Albany st. and Harrison av.

- Angell street**, W. Rox. ; from Canterbury st., south-east, to Blue Hill av., near junction of those streets ; formerly called Autumn st.
- Angier street**, E.B. (Breed's island), 1876 ; from Ashley av., south-east, to Revere line.
- \***Ann** } street, B., 1708 ; from the conduit in Union st. (now Dock sq.)  
**Anne** } over the drawbridge to Cross st., 1708-1823 ; extended through Fish st. and Ship st. by change of name to the foot of North (now Hanover) st., July 6, 1824 ; name of part from Hanover st. to Commercial st. changed to Commercial st., Feb. 17, 1834 ; from Dock sq. to North sq. changed to North st., Jan. 1, 1852 ; from North sq. to Commercial st. changed to North st., April 10, 1854 ; called at different times Conduit st. and Drawbridge st.
- Ann-street court**, B., 1830 ; from Ann (now North) st., west, near Bartlett (now Harris) st. ; called Page's court, about 1837.
- Ann-street passageway**, B., 1831 and earlier ; an ancient 4-foot passageway in which a city sewer was laid leading from that part of Ann st. (formerly Fish st., now North st.) near the bottom of North sq. to the sea. It was fenced up by some person unknown, and the City Solicitor was ordered to ascertain the rights of the City therein, July, 1831 ; no report has been found of record.
- Anson street**, W. Rox. ; from South st., near Morton st., south-east to Percy st.
- Anthony place**, B., 1875 ; north-east from and then parallel with North Hanover court ; named, Oct. 19, 1875.
- Antram's corner**, B., 1708 ; the end of the fish market, near the conduit, then so-called ; on north side of Dock sq., now part of Faneuil Hall sq.
- Antrim street**, E.B. (Breed's island) ; from junction of Ford st. and Walley st. to Bennington st. ; authority to open given by Street Commissioners, April 21, 1893.
- Antwerp street**, Bri., 1892 ; from Lincoln st., north-east, to unnamed street ; authority to open given by Street Commissioners, Oct. 14, 1892.
- Appian way**, Bri., 1851 ; from Vernon (now Raymond) st. to Franklin st. ; laid out, Dec. 16, 1873.
- Appleton place**, Rox., 1845 ; from unnamed street (Appleton pl., now Short st.), north-east and east, to Brookline st. (now av.) accepted conditionally, June 29, 1863 ; later called Maple av.
- Appleton place**, Rox., 1845 ; from Brookline av. to Maple av. (now Bellevue st.) ; shown as a "street" on plan dated 1845 ; now called Short st.
- Appleton road**, Bri. ; from Lake st., south-west, near Commonwealth ave.
- \***Appleton street**, B., 1862 ; from Tremont st. to Columbus av. ; includes Avenue J on plan dated 1855 ; from Avenue I (now Berkeley st.) westward to point west of Avenue A (now Dartmouth st.) ; laid out as a public street from Berkeley st. to Clarendon st., May 21, 1867 ; from Clarendon st. to Columbus av., Oct. 27, 1868 ; extended from Berkeley st. to Tremont st., June 8, 1872, including part of Chapman st.
- Arborway**, W. Rox. ; the name of the parkway between Prince st. and Forest Hills st., connecting Jamaica Park, Arnold Arboretum and Franklin Park.
- \***Arcadia street**, Dor., 1871 ; from Adams st. to Draper st. ; formerly Auburn st. ; laid out, Nov. 10, 1871.
- \***Arcadia street**, W. Rox. and Rox., 1871 ; from School st. to Atherton st. ; shown as Acadia st. on plans dated 1869 ; part in W. Rox. accepted by Town, Sept. 27, 1871 ; whole laid out, Sept. 29, 1874.

- Arch place**, 1846; from Hanover st., east, near Mechanic st.
- \***Arch street**, B., 1792; from Summer st. to Milk st.; from Summer st. to Franklin pl. passing through archway under building on Franklin pl., 1800; confirmed as a public street, Sept. 15, 1834; wholly opened to Franklin pl., May 1, 1858; portion discontinued, Oct. 6, 1858; extended through Morton pl. to Milk st., April 18, 1873.
- Archibald street**, Rox.; from Parker st. to Halleck st.; called New st., 1844; A st., 1872.
- Ardee place**, Rox., 1875; leads north-west from Ardee st., which leads from Rogers av.; shown on plan dated 1875.
- Ardee street**, Rox., 1875; from Rogers av., west, north of Bayview pl.; shown on plan dated 1875.
- \***Arden street**, Bri., 1892; from Coolidge st. to Hooker st. (formerly Holland road); formerly Andrews road; laid out, Aug. 26, 1892.
- Argyle road**, Bri.; from Englewood av. to Commonwealth av.
- \***Argyle street**, Dor., 1873; from Welles av. to Talbot av.; formerly from Welles av. to Dorchester av.; laid out, Dec. 29, 1873; part included in Talbot av., Oct. 10, 1892.
- Argyle street**, W. Rox.; from Cornwall st., north-east, between Washington st. and Marmion st.
- Arion street**, Dor., 1884; from Davenport av., north-west.
- \***Arklow street**, Rox., 1881; from Posen st. to Gay Head st.; part of Heath pl. from Posen st. to Ulmer st. laid out as Arklow st., Nov. 16, 1881; Heath pl. from Ulmer st. to Walden st. laid out, Dec. 15, 1875; name changed to Arklow st., March 1, 1882; Arklow st. extended from Walden st. to Gay Head st., Sept. 22, 1894.
- \***Arlington avenue**, Chsn., 1870; from Alford st. to Somerville line; laid out and named, Nov. 1, 1870; called also Arlington st.; shown as Commercial av. on plan dated 1870.
- Arlington place**, Chsn.; from Tremont st. near Chelsea st., south-west, south-east, north-east to Tremont st. again; now Mansfield pl.
- Arlington place**, Bri.; from Arlington st., north.
- \***Arlington street**, B., 1858; from Beacon st. to Boylston st.; shown as "street 80 feet wide" on plan dated 1854; established by the Commonwealth and the City by indenture dated Dec. 11, 1856, each contributing half of the street; westerly half, contributed by the Commonwealth, accepted, March 7, 1863.
- Arlington street**, Chsn., 1873; Arlington av., so called.
- \***Arlington street**, Bri., 1870; from Market st., opposite Sparhawk st., across Parsons st. westerly; shown as an unnamed street on plan - dated 1851; accepted from Market st. to Parsons st., June 24, 1870; laid out west from Parsons st., Aug. 14, 1891.
- Armandine street**, Dor., 1871; from Washington st. to Milton av.; laid out, Oct. 8, 1889.
- \***Armstrong street**, Rox., 1887; from Chestnut av. to Mozart st.; laid out, May 19, 1887.
- Arnold place**, W. Rox., 1849; from Poplar st., east; probably same as Albion st. on plan dated 1848; now part of Sycamore st.
- \***Arnold street**, B., 1810; from Washington st. to Shawmut av.; laid out from Washington st., west, 1810; accepted from Washington st. to Suffolk st. (now Shawmut av.), Nov. 10, 1851.
- \***Arnold street**, W. Rox.; from Weld st. to Newton line; lies in territory set off from Newton to Roxbury by chapter 167, Acts of 1838; re-located, July 24, 1884.



- \***Arrow street**, Chsn., 1819; from Bow st. to Lynde st.; formerly from Harvard st. to Front st.; mentioned April 12, 1819, as formerly Rope-maker's lane; portion from Harvard st. to Bow st. made a part of Washington st., Sept. 17, 1866; portion from Lynde st. to Front st. taken June 5, 1874, by Eastern R.R. Co. by virtue of chapter 360, Acts of 1873.
- Arrow-street court**, Chsn.; from Arrow st.; probably in territory taken by Eastern R.R., Co., June 5, 1874.
- Arthur place**, Chsn.; from Main st., south-west, between Lincoln st. and So. Eden st.
- Arthur street**, W. Rox.; from Weld st. to Joy st., between Willow st. and Walker st.
- \***Arthur street**, Bri., 1884; from North Beacon st. to Hichborn st.; laid out, Dec. 26, 1884.
- Arundel park**, Dor.; from Ashmont st., near cor. of Carruth st., to Elm road.
- \***Arundel street**, Rox., 1874; from Beacon st. to Mountfort st.; laid out, June 12, 1894.
- Arundel street**, Dor.; from Beaumont st. to Elm road, between Carruth st. and Fairfax st.
- Arundel street**, W. Rox.; from Walter st., near South st., to Centre st.
- Asbury place**, W. Rox.; from South st., south-west, near Jamaica st.
- Ascension street**, Rox., 1833; from Cedar st. to Kenilworth st.; now called Lambert ave.
- Ash place**, B., 1859; from Myrtle st., south, nearly opposite Irving st.
- \***Ash street**, B., 1809; from Bennet st. to Oak st.; plan in 1816 shows it crossing Nassau st. and Oak st.; part south of Oak st. called Oak pl. in 1834; extended conditionally from northerly end northward about 88 feet to Bennet st., July 28, 1834; order to open same, Sept. 22, 1834, shows conditions complied with.
- Ash street**, B., 1819; from Front st. (now Harrison av.), west, south from Bennet st., a little north of the present Nassau st; closed.
- \***Ashburton place**, B., 1845; from Somerset st. to Bowdoin st.; from Somerset st. west, called Somerset court, 1809; said court extended to Bowdoin st., 1843; named Ashburton pl., Nov. 13, 1845; accepted as a street, Dec. 11, 1848.
- Ashburton street**, B., 1842; formerly Peck lane, now Oxford st.
- \***Ashfield street**, W. Rox., 1890; from Fairview st. to Walter st.; formerly Peters st.; laid out, July 17, 1890.
- \***Ashford street**, Bri., 1841; from Linden st. to Malvern st.; part shown in 1850 as a 40-foot street; shown extended from Malvern st. east, to land of Francis on plan dated 1855; laid out by Selectmen, Dec. 17, 1873; accepted conditionally, Dec. 30, 1873, but no record of fulfilment of conditions; laid out as a public street, Sept. 16, 1876, from Linden st. to Malvern st.
- Ashland avenue**, B., 1846; from Washington st. to Harrison av., south of Dover st; part shown unnamed on plan 1844; called Ashland pl., 1853.
- Ashland avenue**, W. Rox., 1849; from Norfolk and Bristol (or Dedham) turnpike (now Washington st.) to Florence st.; earlier called Ashland st.; included in the County way laid out by Norfolk County Commissioners, Sept., 1856; afterward called Ashland st. in W. Rox. and Oakland st. in Dor.
- Ashland avenue**, W. Rox., 1854; a way 25 feet wide leading from land of B. & P. (now N.Y., N.H. & H.) R.R. Co.; not identified; part of Granite st.

- Ashland avenue**, W. Rox., 1870; from Summer st. south-west, across Cass (formerly Granite) st. to Ballinakill av. (now Johnson st.); sometimes called Ashland st.
- Ashland place**, B., 1853; from Washington st. to Harrison av.; called Ashland av., 1846; Ashland pl., 1853.
- \***Ashland street**, B., 1845; from Leverett st., south-west, then south-east to junction of Chambers st. and Poplar st., including part of street now appearing on maps as Chambers st.; part from Poplar st., north-west, probably formerly part of Allen's highway; part from Leverett st., south-west, shown as Gravel st., 1769, 1800, and 1819; name of Gravel st. changed to Chambers st., May 26, 1828; name of part of Chambers st., formerly Gravel st., changed to Ashland st., Feb. 24, 1845.
- \***Ashland street**, Rox., 1863; from Grove Hall (now Blue Hill) av. to Maple st.; accepted, Oct. 24, 1864; name changed to Sea View st., April 20, 1869, and to Schuyler st., May 24, 1870.
- †**Ashland street**, Dor., 1851; from Park st. to unnamed street near Barque Warwick cove, crossing Elm st. and Mill st.; accepted from Park st. to Elm st., April 21, 1851.
- \***Ashland street**, W. Rox., 1848; from South st. to Back st.; part from Norfolk and Bristol (or Dedham) turnpike (now Washington st.) to Florence st. shown as Ashland av., 1843-49; is part, in West Roxbury, of the way from Dorchester Upper Mills, near corner of River st. and Brush Hill turnpike (now Blue Hill av.), to Norfolk and Bristol turnpike (now Washington st.); laid out by Norfolk County Commissioners by way of Berry st. and Ashland st. (now av.), Sept., 1856; extended from Washington st. to South st., July 30, 1875.
- Ashland street**, W. Rox.; Ashland av., from Summer st. to Ballinakill av., 1874.
- Ashley avenue**, E.B. (Breed's island), 1875; from Chelsea av. to Revere line; the portion of Ashley av. between B., R. B., & L. R.R. and Bennington st. was laid out as Walley st., July 3, 1888.
- \***Ashley street**, Rox., 1884; from Chestnut av. to Armstrong st.; laid out, May 19, 1887.
- Ashmont avenue**, Dor.; see Ashmont st.
- \***Ashmont street**, Dor., 1849; from Washington st. to Neponset av. (formerly turnpike); laid out by County Commissioners, Dec., 1849, for a part of the way through a private way called Ashmont ave.
- Ashmont park**, Dor., from Ashmont st. near Peabody sq., north-west.
- Ashton place**, B., 1868; from Charles st., east, north of Fruit st.
- Ashworth park**, Rox., 1882; from Seaver st., north-east, between Walnut av. and Washington st.
- \***Aspen street**, Rox., 1888; from Copeland st. to Montrose st.; laid out, Feb. 6, 1888.
- Assabet street**, Dor.; from Train st. to Neponset av.; authority to open given by Street Commissioners, Sept. 8, 1891.
- Astor street**, Rox., 1883; from West Chester pk. (now Massachusetts av.) to Parker st.
- Astoria street**, Dor.; from Flint st. south-west, between Norfolk st. and N.Y. & N.E. R.R. and parallel with latter.
- Asylum street**, B., 1844; from Washington st. to Harrison av.
- Athelwold street**, Dor.; from Kilton st. to Thane st., with proposed extension to School st. through Jackson pl.
- Athenæum court**, B., 1849-55; from Atkinson (now Congress) st., near High st., east; closed.

- \***Athens street**, So. B., 1840; from W. Second st. to Dorchester st.; shown as an unnamed 20-foot passageway, 1809; some part of the present street accepted and laid out, Nov. 29, 1852; extended from a point west of C street about 209 feet to B st., March 14, 1861; laid out in parts as follows: from B st. to D st. and from Second st. to A st., Sept. 1, 1871; from E st. to F st., Feb. 29, 1872; from F st. to Dorchester st., Feb. 2, 1874; from A st. to B st., Aug. 3, 1874; from D st. to E st., July 12, 1875.
- Athens-street court**, So. B.; from Athens st., south-west, between B st. and C st.
- Atherton avenue**, W. Rox., 1871; from Albano st. to Washington st.
- Atherton place**, Rox.; from Atherton st., north-east, opposite end of Arcadia st.
- \***Atherton street**, Rox. and W. Rox., 1869; from Washington st. to Amory st.; laid out from Washington st. to Arcadia st., Sept. 29, 1874; New Atherton st. laid out from Copley st. to Amory st., Aug. 27, 1886; Atherton st. extended from Arcadia st. to Copley st., April 16, 1888; name of New Atherton st., from Copley st. to Amory st., changed to Atherton st., March 1, 1889.
- \***Athol street**, Bri., 1885; from Aldie st. to Raymond st.; formerly called Auburn st. between Holton (now Pleasant) st. and Vernon (now Raymond) st.; laid out as Athol st., Sept. 3, 1885; laid out between Holton st. and Aldie st., July 15, 1890.
- Atkins street**, Dor., 1872; north-east of and parallel with Hersey st., near Haven av.
- Atkinson street**, B., 1788; from Milk st. to Broad st.; shown unnamed from Milk st. to Cow lane (now High st.), 1722 and 1729; from Milk st. to Cow lane called Atkinson's st. in list of 1732; had been extended to Purchase st. through Green's lane and whole named Atkinson st., July 4, 1788; extended east to Broad st., May 12, 1851; name changed to Congress st., Aug. 4, 1854; at some time called Green lane or Green's lane.
- Atkinson's street**, B., 1732; from Milk st. to Cow lane (now High st.); named Atkinson st., July 4, 1788.
- \***Atlantic avenue**, B., 1868; from junction of Commercial st. and Eastern av. to Federal st.; laid out from junction of Commercial st. and Eastern av. to Broad st. at Rowe's wharf, Dec. 18, 1868; name extended over part of Broad st., formerly Flounder lane, between Rowe's wharf and Federal st., March 17, 1874.
- Atlantic avenue**, E.B. (Breed's Island); Beachmont av. laid out from Saratoga 'st. to Revere line, in part over a private way called Atlantic av., Aug. 12, 1887, but Railroad Commissioners refused confirmation of grade crossing; Atlantic av. from Ashley av. to Revere line, laid out and name changed to Beachmont av., July 25, 1888.
- Atlantic avenue**, Dor., 1845; at Savin Hill, from south-east end Indian way in a circling course around the hill to junction of Savin Hill av. and Indian way; laid out and included in Savin Hill av., Aug. 12, 1869.
- †**Atlantic street**, So. B., 1867; from E. Fourth st. to Thomas park, north side, and from Thomas park, south side, to E. Ninth st.; between Fourth (now E. Fourth) st. and Thomas park accepted conditionally, Nov. 25, 1867; laid out from Fourth (now E. Fourth) st. to Thomas st. (now Thomas park), Nov. 17, 1868; part from Thomas park to E. Ninth st. sometimes called New Atlantic st.
- Atlantis street**, W. Rox.; from Weld st. to Lassell st.; authority to open given by Street Commissioners, Oct. 12, 1893.
- Atwood avenue**, Rox., 1867; from Day st., west; laid out as Evergreen st., Aug. 10, 1894.

- Atwood square**, W. Rox.; from South st. to Custer st., part of, from South st., formerly called Buchanan court.
- Auburn avenue**, B., 1859; from Poplar st. to Auburn st.; also called Poplar av.; included in Auburn st., Sept. 1, 1879.
- Auburn avenue**, Chsn., from Auburn st., near corner of Main st., south-east.
- Auburn court**, B., 1846; from Cambridge st., south, between Joy st. and So. Russell st.
- Auburn place**, Rox.; from Auburn st., north-west, between Ruggles st. and Vernon st.
- Auburn place**, Chsn.; from Auburn st., south-east, between Main st. and Russell st.; shown as unnamed place, 1812.
- Auburn square**, Chsn.; from Auburn st., opposite Russell st., north-west.
- \***Auburn street**, B., 1838; from Poplar st. to Leverett st.; from Brighton st. av., north-east, across Livingston st., 1849; part from Livingston st., north-east, laid out and extended to Leverett st., Nov. 27, 1874; part from Livingston st., south-west, laid out and extended to Poplar st. through and including Auburn av., Sept. 1, 1879.
- Auburn street**, E.B.; from Swift st. to Harmony st.; shown as an unnamed street on plan dated 1838.
- \***Auburn street**, Rox., 1830; from Ruggles st. to Vernon st.; accepted conditionally, Jan. 14, 1850; accepted, Sept. 27, 1852.
- Auburn street**, Dor., 1869; from Adams st. to Draper st.; laid out under name of Arcadia st., Nov. 10, 1871.
- Auburn street**, W. Rox., 1872; from Washington st. to Bellevue av.
- \***Auburn street**, Chsn., 1863; from Bunker Hill st. to Main st.; shown as an unnamed street on plan dated 1812; laid out 30 feet wide, June 29, 1863, and subsequently widened.
- Auburn street**, Bri., 1847; from Pleasant (now Holton) st., to Vernon (now Raymond) st., 234 feet south-east from and parallel with Everett st.; now closed.
- Auburn street**, Bri., 1851; from Pleasant (now Holton) st. to Vernon (now Raymond) st.; laid out by Selectmen, Dec. 17, 1873; part from Raymond st. to Pleasant st. laid out as a public street, with name of Athol st., Sept. 3, 1885.
- Auchmuty street**, B., 1777; part of Essex st. was sometimes so called, from Short (now Kingston) st. to South st.
- \***Auckland street**, Dor., 1875; from Belfort st. to proposed street (part of Bay st.); part from Belfort st., south, shown as an unnamed street on plan dated 1871; from Belfort st. to Savin Hill av. shown on plan dated 1875; south of Savin Hill av. shown on plan dated 1885; Auckland st. laid out from Bay st. to Belfort st., Nov. 2, 1891.
- \***Audubon circle**, Rox.; a circle 250 feet in diameter, having for its centre the intersection of the centre lines of Burlington st., Audubon road, and that part of Beacon street between Audubon road and Brookline line.
- Audubon road**, Rox., 1884; from Beacon st. at Audubon circle, opposite Burlington st., south-east, to Back Bay Fens, named Jan. 28, 1884.
- Augustus avenue**, W. Rox., 1870; from Poplar st., south-west, and beyond Metropolitan av.
- Austin avenue**, E.B. (Breed's Island); from Ashley av. to Bayswater st.
- Austin avenue**, Dor.; from Stoughton st., northward, between Sumner st. and Bakersfield st.
- Austin street**, Rox.; from Brookline av., north, to Bellevue st.

- Austin street**, D. r., 1874; from Commercial st. to Downer av.; laid out with name of De Wolf st., June 21, 1880.
- Austin street**, W. Rox., 1852; name of Centre st. changed to Austin st. May 3, 1852; renamed Centre st., Dec. 2, 1861.
- Austin street**, W. Rox., 1884; from Canterbury st. to Back st.; opened by Arthur W. Austin over his land in 1868 with name of Austin terrace; called Austin st. in 1884.
- Austin street**, W. Rox.; from Canterbury st. to Back st.; now a part of Morton st.
- \***Austin street**, Chsn., 1817; from Main st. to Prison Point bridge; road made "from end Cragie's bridge" "through Austin st. to Main st." Sept. 6, 1817.
- Austin terrace**, W. Rox., 1868; from Canterbury st. to Back st.; now Austin st.
- Austin's corner**, B., 1800; cor. Marlboro' (now Washington) st. and Bromfield's lane (now Bromfield st.), then so called.
- Austin's lane**, Chsn., 1761; from Back st., west; not identified.
- Austin's lane**, Chsn., 1827; mentioned as "Austin's lane or Gill st." in Charlestown town records, May 21, 1827; Gill st. discontinued, March 28, 1836.
- \***Autumn street**, Rox., 1871; from Longwood av. to Park st.; laid out, Sept. 1, 1871.
- \***Autumn street**, W. Rox., 1870; from Centre st. to Summer st.; laid out, April 29, 1878.
- Autumn street**, W. Rox., 1872; from Blue Hill av. to Canterbury st.; now Angell st.
- Avenue A**, B., 1855; from a point south of Avenue K (now Montgomery st.) to a point north of Avenue H (now Chandler st.); part of Dartmouth st.
- Avenue B**, B., 1855; from Tremont st., northward, to point north of Avenue H (now Chandler st.); part of Clarendon st.
- Avenue H**, B., 1855; from Tremont st., westward, to point west of Avenue A (now Dartmouth st.); now Chandler st.
- Avenue J**, B., 1855; from Avenue I (now Berkeley st.), westward, to point west of Avenue A (now Dartmouth st.); part of Appleton st.
- Avenue K**, B., 1855; from Tremont st., westward, to point west of Avenue A (now Dartmouth st.); part of Montgomery st.
- Avenue I**, B. and Rox., 1853; projected from point west of Tremont st., opposite Lucas st., northward across Mill-dam (now Beacon st.) to Charles River; abandoned.
- Avenue I**, B. and Rox., 1854; projected from west line of Tremont st., opposite Dover st., northward to Harbor Commissioners' line in Charles River, north from the Mill-dam (now Beacon st.); now Berkeley st.
- Avenue II**, B. and Rox., 1853; projected from end of Boylston st. at west side of Public Garden as then projected, westward to Cross-dam (now Parker st.); same avenue projected to Brookline line; now part of Boylston st.
- Avenue III**, B. and Rox., 1853; projected from south end of Avenue I. (now abandoned), opposite Lucas st., westward to dike leading from Cross-dam (now Parker st.) to B. and P. (now N.Y., N.H. & H.) R.R., opposite end of Camden st.; abandoned.
- Avenue III**, B. and Rox., 1854; projected from Avenue I. (now Berkeley st.), westward, being shown nearly to Cross-dam (now Parker st.); shown to point west of Avenue A (now Dartmouth st.); part of, now part of Warren av., rest abandoned.

- Avenue IV.**, B. and Rox., 1853; projected from Tremont st., nearly opposite Pembroke st., northward across Mill-dam (now Beacon st.) to Charles River; abandoned.
- Avenue IV.**, B. and Rox., 1854; projected from Tremont st., at a point opposite part from Brookline st. to Pembroke st., northward across Mill-dam (now Beacon st.) to Harbor Commissioner's line in Charles River; abandoned.
- Avenue V.**, Rox., 1853; from Avenue I. (abandoned), westward, to Cross-dam (now Parker st.); included in Commonwealth av.
- Avenue V.**, Rox., 1854; projected from Avenue I (now Berkeley st.) westward to Brookline line; a part included in Commonwealth av.
- Avenue VI.**, B. and Rox., 1853; projected from Tremont st., nearly opposite Chester sq. (now Massachusetts av.) northward across Mill-dam (now Beacon st.) to Charles River; abandoned.
- Avenue VI.**, B. and Rox., 1854; projected from Tremont st., opposite Chester sq. (now Massachusetts av.) northward across Mill-dam (now Beacon st.) to Harbor Commissioners' line in Charles River; part of easterly side of said avenue made boundary line between Boston and Roxbury, by section 1 of chapter 210, Acts of 1859; abandoned.
- Avenue place**, Bri., 1884; from Western av., east of Waverly st., south.
- Avenue street**, Bri., 1840; the Mill-dam road from Brookline line to Watertown line so named June 15, 1840; name of Avenue st. changed to Beacon st., Nov. 10, 1846; changed from Beacon st. to North Beacon st., March 5, 1860; name of part of North Beacon st. from former boundary line between Brighton and Brookline westward to Cambridge st. at Union sq. changed to Brighton av., Jan. 28, 1884; name of part of Brighton av. from said former boundary line to Massachusetts av. changed to Commonwealth av., March 1, 1887.
- Avery lane**, B., 1820; from Rainsford's lane (now Harrison av.), east; closed.
- Avery place**, B., 1828; from Avery st., north.
- Avery place**, Chsn.; from Russell st., nearly opposite Oak st., north-east to Auburn av.
- \* **Avery street**, B., 1826; from Washington st. to Mason st.; called Sheaf's lane in list of 1732, from Newbury (now Washington) st. west to the Common; same extent and called Sheaf's lane in Selectmen's list, 1788; Sheaf's lane in Edes list, 1800; Sheafe lane or Sheafe's lane from Newbury st. to Common st. in 1817, including part of the present Mason st.; name of Sheafe lane changed to Avery st., Oct. 21, 1826; also called Colburn's lane at an early date.
- Avery's corner**, B., 1800; cor. Newbury (now Washington) st. and Sheafe's lane (now Avery st.), then so called.
- Aves's corner**, B., 1732; cor. Lynn (now Commercial) st. and Henschman's lane (now Henschman st.) then so-called.
- \* **Avon place**, B., 1824; from Washington st. to Chauncey st.; called D'Emmings court, also Central court (from Newbury (now Washington) st., east), 1806; named Avon pl., 1824; extended to Chauncey st., Sept. 25, 1868; name of Avon st. given to Temple pl. and Avon pl., March 30, 1869, making one street from Tremont st. to Chauncey st.; part of Avon st. from Washington st. to Chauncey st. renamed Avon pl., June 9, 1869.
- † **Avon place**, Rox. (from Ruggles st. north, between B. & P. (now N.Y., N.H. & H. R.R.) and Parker st.; shown as an unnamed place in 1835; shown as Avon (pl. or st. ?), 1843-49; laid out, June 19, 1877; name changed to Leon st., March 1, 1894.
- Avon place**, Chsn.; from Sullivan st., south-east, south-west from Bunker Hill st.

- \***Avon street**, B., 1869; from Tremont st. to Chauncey st.; Temple pl. and Avon pl. together named Avon st., March 30, 1869; parts renamed as before, June 9, 1869.
- Avon street**, Rox., 1837; from Heath st., north-east, then south-east, then south to Heath st. again; now called Lawn st.
- Avon street**, Rox., 1851; from Commonwealth (formerly Brighton) av., south, to B. & A. R.R. (formerly Boston & Worcester R.R.); shown from Brighton av., south, across said railroad to Beacon st.; part south of the railroad closed.
- \***Avon street**, W. Rox., 1845; from Pond st. to Brookline line; accepted, March 28, 1870.
- Avondale place**, Dor.; at the Lower Mills; from Richmond st., north, between Washington st. and Dorchester av.
- B street**, B., 1828; from A (now River) st. to D (now Brimmer) st. parallel with and 140 feet south from Chestnut st.; named Byron st., 1830.
- †**B street**, So. B., 1804; from W. Seventh st. at junction Dorchester av. across Eastern av. (now Congress st.) on South Boston flats; projected "from the boundary line to the sea" Oct. 4, 1804; laid out and named, Feb. 27, 1805; laid out from Seventh (now W. Seventh) st. to low-water mark, Nov. 17, 1868.
- B street**, Rox., 1872; leads south-east from unnamed street (now Mechanic st.) leading south-west from Ruggles st., near Parker st.; called B-st. court, 1883, and shown as Antwerp st. in 1886; near where Willis st. now is.
- B street**, W. Rox., 1868; from Boylston st. to Spring Park av.; laid out with the name of Burr st. April 25, 1877.
- B street**, W. Rox., 1877; from Williams st., south-west, across A st.
- B-street court**, Rox., 1883; from continuation of Mechanic st., south of Ruggles st., south-east; called B st. in 1872, and Antwerp st. in 1886; near where Willis st. now is.
- B street**, Dor., 1892; from Pleasant st. to F (now Bakersfield) st.; authority to open given by Street Commissioners, May 4, 1892; now called Morrill st.
- Babcock court**, Chsn., 1838; from Main st., north, opposite Sullivan sq.
- Back Bay Fens**, Rox., 1887; Back Bay Park named Back Bay Fens, Dec. 30, 1887; entrances from Beacon st., Boylston st., Westland av., Huntington av. and Brookline av.
- Back lane**, Chsn., 1638; another name for Back (now Warren) st.
- Back lane**, Chsn., 1788; from Middlegate (now Prescott) st. to Bow (now Devens) st.; possibly the same as later Prescott-st. av.
- Back street**, B.; from 67 Brimmer st., west; 30-foot passageway running along by the Charles river.
- Back street**, B., 1708; from "Stanbury's Corner" at Middle (now Hanover) st. to Prince st., May 3, 1708; included in Salem st., July 6, 1824.
- \***Back street**, Rox. and W. Rox., 1796; called "Back st., Road to the Great Lots," 1796; from Warren st. to South st. named Back st., May 9, 1825; name changed to Walnut st., Nov. 20, 1843; part of Walnut st. from former corner of Walnut av. and Forest Hills st. to South st. included in Forest Hills st., June 26, 1848; part of same from present corner of Forest Hills st. and Morton st. to South st. made part of Morton st., Dec. 5, 1859; rest of Walnut st. named Walnut av., April 21, 1868; part south of Sigourney st. now in Franklin Park.

- \***Back street**, Dor. and W. Rox., 1840; from Blue Hill av. to Hyde Park line; after annexation of Dorchester, westerly line of Back st. made boundary line between Boston and West Roxbury by chapter 146, Acts of 1870; probably in early times this street and the present Harvard st. in Dorchester formed a continuous way; shown as town road in 1835; street from turnpike by Samuel Capen's and Mrs. Floyd's to Tresscott's lane named Back st., March 11, 1840; name changed to Mount Hope st., Sept. 18, 1861; no record of renaming Back st..
- \***Back street**, Chsn., 1638; down to 1831 extending from junction of Hepburne's or Hepburn's lane or street (now part of Henley st.) and Streeter's or Phillips' lane (later part of Salem turnpike or Turnpike st., later part of Back st., now part of Park st.) north-west to Broad st. (later Market st., now Main st.); called also Back lane, 1638, and at various times later shown as an unnamed street; street leading from City sq. to Main st. being Back st. and a part of the late Salem turnpike named Back st., Oct. 3, 1831; said "part of the late Salem turnpike" called Streeter's lane, 1670; Streeter or Phillips' lane, 1768; Phillips' lane, 1780; included in Salem turnpike or Turnpike st., 1803-4; Back st. named Warren st., March 3, 1834; part from City sq. to Henley st. (being part formerly Streeter's or Phillips' lane) named Park st., Dec. 29, 1868.
- Bacon place**, B., 1844; from Carver st., east, between Eliot st. and Townsend pl.; shown on maps as late as 1861; now closed.
- Badger place**, Chsn., 1874; from Green st., north-west, between Bartlett st. and Hancock st.
- Bagnal street**, Bri., 1894; from Holton st. to Aldie st.; authority to open given by Street Commissioners, April 14, 1894.
- \***Bailey street**, Dor., 1870; from Washington st. to Dorchester av.; laid out, June 29, 1877.
- Bailey's court**, Rox., 1852; from Albany st., south-east, near Yeoman st.; now called Bailey court.
- Baily street**, W. Rox., 1887; from Washington st., north-west, near and south of Keyes st.; laid out as Burnett st., March 29, 1890.
- Bainbridge street**, E.B., 1836; from Border st., south-east, to Chelsea st.; shown on plan dated June 2, 1836, north-east of and parallel with Decatur st.
- \***Bainbridge street**, Rox., 1845; from Walnut av. to Dale st. and bounding on Washington park; part from Walnut av. (then st.) to land (now said park) shown as part of Hull st. at one time; no record of laying out has been found.
- \***Bainbridge street**, Chsn., 1848; from Chelsea st. to Moulton st.; Selectmen directed to open a road from Salem turnpike to the ropewalks through Ebenezer Breed's land, June 8, 1807; agreement with Mr. Breed to build same 30 feet wide, May 3, 1813; deed of land from Mr. Breed to Town, Feb. 8, 1814; shown as an unnamed street in 1818; first named Bainbridge st. in 1848; called Brooks st. in 1844-52.
- Baker avenue**, } Dor., 1873; from Washington st., east; formerly Baker  
**Baker court**, } av. and Brandon st.; laid out as Brent st., from Wash-  
 ington st. to Carlisle st., Nov. 12, 1885.
- Baker court** or } Dor.; from Willow court, north-east.  
**Baker place**, }
- Baker (or Baker's) court**, Dor., 1870; from Washington st., west, at Lower Mills, almost adjoining Neponset River.
- Baker court**, W. Rox., 1884; from Germania st., south-west; called Baker st. in 1884 from Boylston st.; part near Boylston st. included in the laying out of Germania st.
- Baker place**, or **Baker court**, Dor., 1884; from Willow court, north-east.



- Baker place**, Dor., 1872; from Bird st., north, adjoining and west of N.Y. & N.E. R.R.
- Baker place**, W. Rox.; from Baker st., south-west, near and north-west of Gardner st.
- \***Baker street**, W. Rox., 1825; from Centre st. to Newton line; named, May 9, 1825; probably a public highway some time previous; straightened from Centre st. to Spring st., March, 1872.
- Baker street**, W. Rox., 1874; from Boylston st., near Washington st., south-west, crossing end of Germania st.; part of included in the laying out of Germania st.; also called Baker court.
- Baker's alley**, B., 1844; from North st., west, between Richmond st. and Prince st.
- Baker's alley**, B., 1848; from Broad st., west, south of Batterymarch st.; included in Sturgis st. 1869, and Sturgis st. included in Franklin st., 1873.
- Baker's alley**, B., 1866; from S. Margin st., south, between Prospect st. and Norman st.
- Bakersfield street**, Dor., from Stoughton st. to Willis st.; authority to open under name of F st. given by Street Commissioners, May 4, 1892.
- Baldwin court**, Chsn., 1854; from Main st., north-east, between Salem st. and School st.; Beckford court (now Linwood pl.), so called in 1854.
- Baldwin place**, B., 1829; from Salem st., west, between Prince st. and Cooper st.
- Baldwin place**, So. B., 1874; from Baldwin st., south.
- Baldwin place**, Bri., 1874; from Washington st., south-west, near and west of Chestnut Hill av.
- Baldwin street**, B., 1878; from Northampton st. to Camden st.; laid out as Watson st., May 10, 1886.
- \***Baldwin street**, So. B., 1851; from Granite st. to A st.; laid out, Nov. 17, 1868.
- Baldwin street**, Rox., 1833; from Massachusetts av. (formerly West Chester park) to Parker st.; formerly from Parker st., east, to the channel in empty basin a few feet west from present location of B. & P. (now N.Y., N.H. & H.) R.R.
- \***Baldwin street**, Chsn., 1850; from Rutherford av. to Bunker Hill st. and from latter street to Medford st., the two parts not continuous; part from Bunker Hill st. to Mystic River called Coggin st. in 1837 and 1843; same part called Linden st. in 1844; Baldwin st., from Main st. to Bunker Hill st., laid out and accepted, Feb. 14, 1853; Linden st. made a continuation of Baldwin st., Oct. 8, 1867; altered, etc., between Main st. and Bunker Hill st. and accepted, Feb. 28, 1870; laid out from Main st. to Rutherford av., Oct. 9, 1891.
- Baldwin's lane**, Dor.; from River st., near Hyde Park line; sometimes called Bird's lane.
- Balfour street**, Dor.; from Dalkeith st. to Wayland st.
- \***Ball street**, Rox., 1860; from Washington st. to Shawmut av.; laid out, June 29, 1870.
- Ballantine's corner**, B., 1708; cor. of Hanover st. and Marshall's lane (now Marshall st.), then so called.
- Ballard place**, B., 1831; from Bromfield st., south, then turning east; not given in directory later than 1849; probably now an arched passage-way without name.
- Ballard place**, W. Rox., 1886; east from Ballard st.
- \***Ballard street**, W. Rox., 1884; from Centre st. to Custer st.; at one time known as Addison av.; laid out, Oct. 3, 1891.

- Ballard's corner**, B., 1800; cor. Newbury (now Washington) st. and West st., then so called.
- Ballinakill avenue**, W<sup>o</sup> Rox., 1874; from Baker st., north-east; also another portion crossing end of first and running south-easterly, crossing end of Ashland st.; part of laid out as Johnson st., Jan. 6, 1888.
- Ballou avenue**, Dor., 1874; from Lauriat av. to Willowwood st., near N.Y. & N.E. R.R.; authority to open part near Norfolk st. given by Street Commissioners, July 20, 1893.
- Ballou place**, Dor.; from Norfolk st. to Ballou av.
- Ball's alley**, B.; a name for North Centre st. prior to 1708.
- Baltic street**, E.B., 1884; from Cottage st. to Front st., crossing end of Swift st. (proposed street).
- Baltimore street**, Dor.; from Beaumont st. to Elm road.
- Bancroft place**, B., 1868; from 33 Hawkins st., east.
- Bang's alley**, B., 1803; from Kilby st., east; Marshall's alley, 1784-1800; Bangs alley, 1803-25; the alley way next south of Doane st.
- Banister's lane**, B.; Winter st. was sometimes so called prior to 1708; first called Blott's lane, later Willis's lane, or Banister's lane, and sometimes Bolt's lane.
- Bank Top road**, B.; altered so as to be parallel with Broad st., 1834.
- Barber's alley**, B., 1868; from North st., north-west, between Fleet st. and Clark st.; shown on plan as an unnamed way in 1848.
- Barlow street**, W. Rox.; from Wachusett st., near Weld Hill st.; authority to open given by Street Commissioners, July 19, 1893.
- Barnan place**, So. B., 1884; from E. Third st., north, between Emmett st. and K st.; generally called Barnard pl.
- Barnard place**, So. B., 1869; from E. Third st., north, between Emmett st. and K st.
- Barnard place**, So. B., 1884; from E. Second st., south, between I st. and Emmett st.
- Barnard's corner**, B., 1800; cor. North st. and Love lane (now Tileston st.), then so called.
- Barnes street**, Dor.; from 1817 Dorchester av. west.
- Barque Warwick street**, Dor., 1810; from Neponset st., south-east, to bridge on Mill-pond; sometimes written Bark Warwick st.; street does not now exist.
- Barrack lane**, B., 1788; name given by Selectmen to Bury lane or st., from Federal st. (formerly Long lane) to Atkinson (now Congress) st., but apparently never used; called Berry st., 1803, and named Channing st., July 14, 1845.
- Barre place**, B., 1826; from 53 Eliot st., north, near Tremont st.; sometimes called Barry pl.
- Barrett's corner**, B., 1800; cor. Middle (now Hanover) st. and Bell alley (now Prince st.), then so called.
- \*Barrett street**, B., 1831; from North st. to Fulton st.; from Ann (now North) st., east, called Wentworth's lane, 1732; accepted and named Barrett st. (conditionally) from Ann st. to New st. (now Fulton st.) in rear of Commercial st., June 7, 1831; laid out and named, Oct. 24, 1842.
- Barrill's corner**, B., 1732; cor. of Newbury (now Washington) st. and Sheafe's lane (now Avery st.), then so called.
- \*Barrington street**, Dor., 1889; from Bowdoin st. to Columbia st.; known as Hamilton av. from 1872 to 1889; laid out as Barrington st., Oct. 21, 1889; shown as a proposed street from Bowdoin st. to Holmes av., 1894; authority to open part of this given by Street Commissioners, Aug. 29, 1893.

Barry's corner, Bri.; at the junction of Western av. and N. Harvard st.

Barry } court, B., 1859; from Washington st., east, between Savoy st.  
Barry's } and Cottage pl.

Barry place, B., 1826; from Eliot st., near Tremont st., north; sometimes called Barre pl.

Barry street, Dor., 1872; from Quincy st. to Barrington st.

Barstow street, Bri., 1888; west from 36 Saunders st.

Barstow street, E.B. (proposed); from Cottage st. to Georgia st. (Wood Island.)

Bartlett court, Rox., 1874; from 170 Norfolk av., north-east; sometimes called Bartlett st.

†Bartlett place, B., 1837; apparently T shaped, first part from Salem st., west, opposite Parmenter st., second part from Cooper st. to North Margin st., across end of first part; portion from Salem st., west, then north to Cooper st.; called Salem pl., 1828-36; part 50 feet north of Salem st. laid out as an extension of Richmond (now Parmenter) st., in 1845.

Bartlett place, Chsn., 1854; from near Bartlett st., south-west, between Sullivan st. and Walker st.; not in Charlestown directory after 1858, where it is described as "near 112 Bartlett st."

\*Bartlett street, B., 1826, from Hanover st. to Ann (now North) st.; called White Bread alley, 1708; named Bartlett st., 1826; name changed to Harris st., April 21, 1868.

Bartlett street, Rox., 1884; from 170 Norfolk av., north-east; also called Bartlett court.

\*Bartlett street, Rox., 1825; from Dudley st. at Eliot sq. to Washington st.; so named, May 9, 1825; originally this street and the part of Washington st. from the present easterly end of Bartlett st. to Dudley st. formed one street, such part being included in location of Norfolk and Bristol turnpike (otherwise Dedham turnpike) in 1804; Bartlett st. at some time before it was so named called Perrin's lane; the present Bartlett st. was called Cottage st.; the street (now part of Washington st.) commencing on Washington st. at City Hotel (which stood where Zeigler st. now is) and running south to the present Bartlett st. also named Bartlett st. July 31, 1848, making a continuous street from Washington st. across Dudley st. around to Dudley st. again at Eliot sq.; the part of same from Dudley st. north to Washington st. named Guild row, and the part from Dudley st. south to present easterly end of Bartlett st. included in Shawmut av., Dec. 28, 1857, leaving Bartlett st. as it now is; said Guild row and Shawmut av. south of Dudley st. included in Washington st., June 16, 1874.

\*Bartlett street, Chsn., 1810; from Monument sq. to Walker st.; from Elm st., north-west, to Pleasant (now Pearl) st. nearly parallel with Summer st. conveyed to the Town by Oliver Holden, July 17, 1810; shown in 1818 from Elm st. to Sullivan st.; from Elm st., north-west, to Walker st. accepted, Nov. 28, 1831; continued south-east to Concord st., Sept., 1845; laid out to Concord st. (now Monument sq.), May 4, 1847.

\*Barton court, B., 1868; from Barton st. to Brighton st.; shown as a passageway on Hale's plan, 1820; called Short Second st., 1849, and later Little Napier st.; later name changed to Barton court April 21, 1868.

\*Barton street, B., 1825; from Milton st., north-east, across Leverett st. to Lowell st.; part from Leverett st., north-east, shown as extending 250 feet therefrom and called Barton st. or court in 1825, and as extended to Lowell st. in 1836; this part probably nearly in position of a "40-foot highway" shown as extending from another "40-foot highway" (Leverett st.) to the river on plan made in 1725, and said "40-feet

highway" probably same as Bury (or Berry) lane on Osgood Carleton's plan, dated 1800, and afterward closed and included in Alms-House estate; other part of Barton st. from Leverett st., south-west, originally Second st., 1809; from Leverett st., opposite Alms-House yard south-west to point  $33\frac{1}{2}$  feet beyond 18 feet passageway (Barton court) on Hale's plan, 1820; accepted and recorded as a public street, May 12, 1828; confirmed as such, Sept. 15, 1834; name changed to Napier st., April 25, 1855; Napier st. extended south-west to Milton st., Oct. 5, 1863; name changed to Barton st., April 21, 1868.

**Barton-street place**, B.; from Barton st., south-east; Second-st. court or pl., 1835; Napier-st. pl., 1855; Napier-pl., 1863; greater part included in the extension of Chambers st., June 7, 1893.

**Barton's point**, B., 1712; at the foot of Leverett st.; called Blackstone's point, 1708.

**Basto** place, W. Rox., 1869; from Washington st. (formerly Shawmut av.), near junction of Poplar st., north-west; extended to Brandon st. and name changed to Corinth st., Nov. 25, 1882.

\***Batavia street**, Rox., 1883; from St. Stephen (formerly Falmouth) st. to Parker st.; laid out, May 11, 1893.

\***Batchelder street**, Dor., 1883; from Clifton st. to Pontine st.; laid out from Clifton st. to Marshfield st., Oct. 29, 1884; extension from Marshfield st. to Pontine st. laid out, Aug. 10, 1894.

**Bateman place**, So. B., 1876; from N st., west, between E. Seventh st. and E. Eighth st.

**Bates place**, B., 1863; from Kneeland st., south, between Washington st. and Whitmore st. (formerly Kneeland pl.).

**Bates place**, Rox., 1848; from Roxbury (formerly Washington) st. near Eliot sq., north; now called Washington court.

\***Bates street**, Chsn., 1854; from Bunker Hill st. to Ferrin st.; laid out, Jan. 2, 1878.

**Bath avenue**, Dor., 1845; from Savin Hill av. (part formerly part of Glenway) to Springdale st.; laid out as Denny st., April 21, 1892.

\***Bath street**, B., 1806; from Post Office sq., south-east, then south to Post Office sq. again; originally from Water st., south-east, then south to Milk st.; called Tanner's lane, 1708; Horn lane, 1795; at one time called Horse lane and then "Bath street or Horn lane;" a portion included in extension of Pearl st. to Water st., afterwards Post Office sq., Dec. 27, 1873.

**Batterman place**, B., 1822-37; from Essex st., opposite Lincoln st.; included in Lincoln st., wholly or in part, upon the extension of Lincoln st., south of Essex st., 1836; mentioned until 1848, and a narrow opening shown and so named upon maps as late as 1851; now closed.

\***Battery alley**, B., 1708; from North (now Hanover) st. to Ship (now Commercial) st.; originally from Charter st. to the North Battery, and part from Charter st. to North (now Hanover) st. discontinued before 1708; name written also Battrey alley; sometimes called Daggett's alley or lane, 1789-1823; named Battery st., Nov. 7, 1825.

**Battery lane**, Chsn., 1714; from Maudlin st. to Battery (now Water) st.; called Carriggs court in 1854; called Carey st., 1875, and Carey court, 1883. Name of Carriggs court given to another passageway leading north-west from Water st., north-east of Carey court or st. in 1883.

\***Battery street**, B., 1825; from Hanover st. to East Boston North Ferry, crossing Commercial st.; part from North (now Hanover) st. to Ship (now Commercial) st., called Battery alley, 1708; also sometimes Daggett's alley or lane, 1799-1823; named Battery st., Nov. 7, 1825; part from Commercial st. to North Ferry called People's Ferry av., 1854, and also later North Ferry av.; Battery st. extended to include same, Aug. 3, 1880.

- Battery street**, Chsn., 1714; from the swing-bridge near foot of Maudlin or Mardling st., or lane (point now foot of Foss st.), east, crossing Wapping st. and Henley st., called also "way to battery from swing-bridge," 1785; part east of Wapping st. discontinued on establishment of Navy Yard, Jan. 14, 1801; remainder included in Water st., 1802; latter part probably also at times called Water st., from 1780, when Water st. and Battery st. were straightened and improved.
- \***Batterymarch street**, B., 1708; from Liberty sq. across Milk st. to northerly end of Hamilton st., thence northeasterly to Broad st. opposite Custom House st.; from Hallaway's or Hallowell's corner, Milk st., cor. of present Batterymarch st., south-east by the South Battery, then south-west through part of the present Purchase st. to the lower end of Gibb's lane (now Oliver st.), 1708; from Liberty sq., including Crab alley or lane, to Foster's wharf, near the South Battery, cor. of present Purchase st. and Broad st., 1800; part from present terminus in Broad st. to Foster's wharf included in Broad st., 1808.
- Battle street**, Chsn., 1878; from Medford st., north, nearly opposite Lexington st.
- Baxter place**, B., 1857; from Harvard st., south, near Harrison av.
- Baxter square**, So. B., 1873; from E st., south-east, between W. Seventh st. and W. Eighth st.
- \***Baxter street**, So. B.; from C st. to E st.; laid out from D st. to E st. Nov. 17, 1868; laid out from D st. to C st., Sept. 9, 1887.
- Baxter's corner**, 1708; cor. Summer st. and South st., then so called.
- Bay street**, B., 1816; from Washington st., east, near the present Rollins st.; closed.
- Bay street**, B., 1833; across Fayette st. and Knox st., parallel with Church st.; described in 1846, "from Tremont st. to rear of Knox st."
- Bay street**, Dor., 1869; from Dorchester av. to N.Y., N.H. & H. R.R.; originally from westerly line land of Lewis Leeds, across end of Leeds st., Midland st., and Spring st. to O. C. (now N.Y., N.H. & H.) R.R.
- Bay State place**, So. B., 1872; from E. First st., south, between I st. and K st.
- \***Bay State road**, Rox., 1889; from Beacon st., opposite Charlesgate-west; laid out from Beacon st. to street now called Deerfield st., Oct. 22, 1889; laid out from Deerfield st. to Sherborn st., June 7, 1893.
- Bayard street**, Bri., 1890; from Kenneth st. to N. Harvard st.
- Bayswater street**, E. B., 1875; from Saratoga st., at R.R., south-east, then east and north to Saratoga st., near Belle Isle inlet.
- Bay-View place**, So. B., 1872; from E. Eighth st., near I st., north, then east and west T shaped.
- Bay-View place**, Rox., 1875; from Rogers av., south-west, between Huntington av. and Ruggles st.
- Beach place**, Chsn., 1872; from Beach st., south-east; sometimes called Beach-st. pl.
- \***Beach street**, B., 1708; from Washington st. to Federal st.; from Orange (now Washington) st., east, to the water, 1708; from Orange st. across Rainsford lane (later Front st., now Harrison av.), 1817; extended east from Front st. to Lincoln st. conditionally, Sept. 5, 1836; same part accepted, Oct. 16, 1837; extended from Lincoln st. to Broad (now Federal) st., Oct. 31, 1837.
- Beach street**, B., 1804; the eastern extremity of Essex st., then so called.
- \***Beach street**, Dor., 1857; from Commercial (now Freeport) st. to Park st.; accepted, July 20, 1857.
- Beach street**, W. Rox.; Beech st., sometimes so called.

\***Beach street**, Chsn., 1870; from Medford st. to the railroad; called lane to Johnson's wharf in deed, March 27, 1820; called "town-way to river" on plan dated 1837; no record of naming same; name first appears in 1870.

\***Beacham street**, Chsn., 1870; from West st. to Mystic River; laid out and accepted, June 24, 1872.

\***Beachmont avenue**, E.B., 1888; from Ashley av. to Revere line; formerly Butler av. and later Atlantic av.; laid out from Ashley av. to Revere line, July 25, 1888.

**Beacon hill**, B., the present site of the State House; formerly Centry, Centuary, or Sentry hill; on Dec. 28, 1752, the Selectmen, having searched the town records, find that the hill on which the beacon stands and which is the property of the Town, is 6 rods square, and the highway leading up to it from the Common between land of John Alford and of Thos. Hancock is 30 feet in width the whole length; recorded in town records, Jan. 16, 1753.

**Beacon-hill place**, B., 1847; from Bowdoin st. to Mt. Vernon st.

**Beacon-hill street**; called Bowdoin pl., 1820.

**Beacon street**, B. and Rox., 1708; from Tremont st. over Beacon hill, passing the Common and over the former Mill-dam of the Boston and Roxbury Mill Corporation and through the marshes formerly part of Brookline to boundary line of Brookline at St. Mary's st.; "from near present corner of Beacon and Somerset sts. westerly through the upper side of the Common and so down to the sea," 1708; the part of the present Beacon st., from Tremont st. to a point near corner of Beacon st. and Somerset st., formed part of School st., 1708; School st. called South Latin School st., 1789; said part of School st. included in Beacon st., 1803 (no record of such change); the Mill-dam from Charles st. to Sewall's point, in Brookline, projected in 1813; Boston and Roxbury Mill Corporation incorporated and authorized to build same in 1814; Mill-dam begun in 1818, completed and opened to travel, July 2, 1821, road over same being called Western av.; part of Western av. from Charles st., west, about 690 feet to channel accepted, Sept. 19, 1831, but no record of naming this part of Beacon st; land covered by the Mill-dam released by the B. and R. Mill Corporation to the Commonwealth by indenture of June 9, 1854, "to be forever kept open as a public highway;" other parts of Western av. have been accepted from time to time, usually upon condition, and deeds to comply with condition, all recorded in Suffolk Registers, have been given as follows: Part from part accepted, Sept. 19, 1831 to (Otter) st. accepted and named Beacon st. conditionally, April 21, 1857, deed L. 716, f. 227; part of Beacon st. between Otter st. and avenue A (not identified) accepted conditionally, June 23, 1857; part between Otter st. and "west end of new block of freestone front houses" (a point about 343 feet west from Otter st.) accepted and named Beacon st. conditionally, May 27, 1858, deed L. 738, f. 82; part between (George P.) Upham's house (west cor. thereof 342 feet west from Otter st.) and a point distant 140 feet westerly from the south-west corner of Berkeley st." accepted conditionally and named Beacon st., Oct. 30, 1861, deed L. 829, f. 3; part between Berkeley st. and Clarendon st. accepted conditionally, Dec. 23, 1862, deeds L. 829, f. 3, and L. 867, f. 239; same part accepted and named Beacon st., May 26, 1863; part between Clarendon st. and Dedham (now Dartmouth) st. accepted conditionally and named Beacon st., July 3, 1865, and Oct. 31, 1865, deed in compliance with latter order, L. 867, f. 239; "part of Mill-dam road known as Beacon st. between east line of Clarendon st. and division line between Brookline and Boston where it crosses Mill-dam road" (about 990 feet west from West Chester park, now Massachusetts av.) laid out, Dec. 7, 1868; no record of laying out or naming the part of the Mill-dam formerly in Brookline from crossing of former Brookline boundary line (about 990 feet west from West Ches-

ter park ), west to its end at junction of the three roads, Brookline av., Beacon st. and Commonwealth (formerly Brighton) av.; part of Beacon st. in Brookline from Harvard st. east to the Mill-dam laid out by Norfolk County Commissioners, June, 1851; part thereof thrown into Boston by annexation to Boston of part of Brookline, east of westerly line of St. Mary's st., by chapter 374 of Acts of 1870 accepted, Nov. 4, 1870; boundary line between Brookline and Boston changed from westerly to easterly line of St. Mary's st. in 1872.

- Beacon street**, Bri., 1860; from Brookline boundary line (distant about 520 feet east from Chestnut Hill av., formerly Rockland st.), west, across said avenue and skirting the Chestnut Hill reservoir to Newton boundary line, being a continuation through south part of Brighton of Beacon st. from Boston through Brookline; "highway ——— from Centre village in Newton leading easterly through the towns of Newton and Brighton to the line of the town of Brookline" established by Middlesex County Commissioners, June 4, 1850; the part in Brighton of said County way named Beacon st., March 5, 1860; part of said way discontinued and relocated on account of construction of said reservoir.
- \*Beacon street**, Bri., 1846-1860; name of Avenue st., being part in Brighton of the Brighton branch of the Mill-dam road, namely, from Brookline boundary line to Watertown boundary line, changed to Beacon st. Nov. 10, 1846; said road shown as Brighton av. or road to Mill-dam on plan dated 1825; lines of said road, part being called "Brighton branch or road" and part "Watertown turnpike," defined and established by indenture between the Commonwealth and Boston and Roxbury Mill Corporation, dated Dec. 30, 1856; name of Beacon st. changed to North Beacon st., March 5, 1860; name of part of North Beacon st. from former boundary line between Brookline and Brighton, west, to Cambridge st. at Union sq. changed to Brighton av. Jan. 28, 1884; name of part of Brighton av. from said former boundary line, west, to Massachusetts av. at Malvern st. changed to Commonwealth av., Jan. 24, 1887.
- \*Beale street**, Dor., 1871; from Dorchester av. to Carruth st.; laid out from Dorchester av. to the Shawmut Branch of the O. C. (now N.Y., N.H. & H.) R.R., Nov. 30, 1891.
- Bear lane**, B., 1796; Beer lane from Middle (now Hanover) st. to Back (now Salem) st. so called, and also Bridge lane and Bur lane; name of "Beer lane or Bridges lane" changed to Richmond st., Jan. 22, 1800; name of that part of Richmond st. changed to Parmenter st., Dec. 31, 1870.
- Beard's corner**, B., 1708; cor. of Cow lane and Long lane, now High st. and Federal st., then so called.
- Bearse avenue**, Dor., 1881; from River View av. (now Medway st.), north-east, across Butler st. to the marsh; sometimes called Bearse st.
- Bearse street**, Dor., 1884; sometimes called Bearse av.
- Beaumont avenue**, Bri., 1886; from Washington st., south, next west of Lake st.
- Beaumont street**, Dor., 1877; from Adams st. to Carruth st.
- \*Beaver street**, B., 1857; from Beacon st., nearly opposite Arlington st., north, to unnamed 30-foot st.; accepted conditionally from Beacon st., north, to the water (Charles River), July 1, 1857.
- Beaver street**, W. Rox., 1874-9; from Eliot st. to Burroughs st.; probably another name for Brewer st.
- Becket street**, Dor.; from Van Winkle st. at Dorchester av. to Codman st.
- Beckford court**, Chsn., 1856-74; from Main st., north-east, between Salem st. and School st.; same given Baldwin court in 1854; same called Bickford pl. on plan 1872; name changed to Linwood pl., 1874.

- \***Beckler avenue**, So. B., 1872; from K st., east, between E. Fifth st. and E. Sixth st.; laid out, Feb. 23, 1878.
- Bedford avenue**, B., 1826-42; from Bedford st., south-west, near Rowe pl. (now Chauncey st.); closed.
- Bedford court**, B., 1844-82; from Bedford st., south, between Columbia st. and Kingston st., now closed.
- Bedford court**, } B., 1821-56; from Bedford st., north-east toward Chauncey  
**Bedford place**, { pl.; called Bedford court, 1821; Bedford pl., 1822; laid out with Chauncey pl. as a continuous highway from Bedford st. to Summer st., Jan. 3, 1856, and this new street named Chauncey st., Jan. 5, 1856.
- \***Bedford street**, B., 1821; from Washington st. to Summer st.; part from Newbury (now Washington) st. to Short (now Kingston) st. called Pond st., 1708; Pond st. called Rowe's lane, 1803; other parts from lower end of Pond st. (*i.e.*, from Short (now Kingston) st.), north-east, into Church Green by Summer st. called Blind lane, 1708; Blind lane called also Pond lane and Rowe's lane; same included in Pond st., 1803; name of Pond st. changed to Bedford st., Feb. 7, 1821.
- \***Beech street**, W. Rox., 1825; from Centre st. across Washington st. to Poplar st.; shown as an unnamed lane on plan 1815; named from Centre st. near Dr. Draper's by the west end of Poplar st. to Clapboard Hill at Dorchester line, May 9, 1825, and so shown on Hale's map of Roxbury, 1832; probably laid out as a highway some time previous; part from Poplar st. to Dorchester (now Hyde Park) line discontinued before 1843, at least in part, and now wholly discontinued; sometimes written Beach st.
- Beech street**, Rox., 1857; from Fort av. to Highland st., a part adjoining the south side of Highland park; name changed to Beech Glen av., April 21, 1868; laid out and name changed to Beech Glen st., Oct. 24, 1882.
- Beech Glen avenue**, } Rox.; from Fort ave. to Highland st., a part adjoining  
 \***Beech Glen street**, { ing the south side of Highland park; name of Beech st. changed to Beech Glen av., April 21, 1868; same laid out as Beech Glen st., Oct. 24, 1882.
- Beer lane**, B., 1708; from Middle (now Hanover) st. to Back (now Salem) st.; called also Bear lane, 1708, and Bridges lane, 1796; "Beer lane or Bridges lane" changed to Richmond st., Jan. 22, 1800; named Parmenter st., Dec., 1870.
- \***Beethoven street**, W. Rox., 1869; from Washington st. to Arcadia st.; accepted as a town way, Sept. 27, 1871; laid out, Sept. 29, 1874.
- \***Belcher lane**, B., 1826; from High st., Fort Hill sq., to Atlantic ave.; originally laid out in 1667 from Fort Hill to the water; and said lane extended to low-water mark; prior to 1708 called the "Town way to the Town slip;" called Sconce lane, 1708; also Sconce st., 1784; upper part from Fort Hill to Purchase st. called Belcher lane, 1826; confirmed as a public street, Sept. 15, 1834; lower part from Purchase st. to Broad st. (now Atlantic av.), called Sconce lane or st. as late as 1860, but called Belcher lane from 1848.
- Belcher's lane**, B., 1708; from Summer st. to Gibbs lane (now Oliver st.); on Bonner's plan, 1722, called Belcher's lane, from Summer st. to Batterymarch st.; according to Price's plan, 1769, the part near Summer st. called Purchase st. and the part near and west of Gibbs lane called Belcher's lane; on Carleton's plan, 1800, included in Purchase st. which runs from Summer st. to Batterymarch (now Broad) st., including also part of Batterymarch st. east of Gibbs lane.
- Belcher street**, B., 1834; from Fort Hill to Purchase st.; another name for Belcher lane.
- Belden court**, Dor.; from Belden st., east, between Dudley st. and Hamlet st.; formerly Berkeley court.



- \***Belden street**, Dor., 1884; from Dudley st., north-east, crossing end of Hamlet st.; Berkeley pl. laid out as Belden st., Sept. 2, 1884.
- †**Belfort street**, Dor., 1875; from Dorchester av. to Saxton st.; laid out from Dorchester av. to Sagamore st., April 4, 1890.
- Belgrade avenue**, W. Rox.; from Brandon st. to Beech st.
- Belgrade street**, W. Rox., 1848; from Canterbury st. to Dorchester (now Hyde Park) line at end of Largo (now a discontinued) st.; included in Hyde Park av. as laid out Dec., 1859.
- Belknap place**, B., 1847; from Joy (formerly Belknap) st., west, south of Hoyt's pl.
- \***Belknap street**, B., 1734; from Cambridge st. to May (now Myrtle) st.; laid out as an unnamed passageway 30 feet wide in 1734; called Belknap st. same year; also Belknap's lane at times down to 1800; extended south to Beacon st. including Clapboard (sometimes called George) st., 1803; confirmed as a public street, Sept. 15, 1834; named Joy st. from Beacon st. to Myrtle st., Jan. 20, 1851; name given to whole st. in 1855; named Joy st., from Beacon st. to Cambridge st., Feb. 26, 1855.
- Belknap's alley**, B., 1744; from Court st. to Brattle sq.; called also Hiller's or Hillier's alley or lane and Gay alley; discontinued conditionally but probably not actually, Sept. 10, 1817; Brattle st. extended through it, 1820.
- Belknap's lane**, B., 1787; from May (now Myrtle) st. to Cambridge st.; Belknap st. (now Joy st.) so called at times down to 1800.
- Belknap's yard**, B., 1788; between Court st. and Brattle st.; the present Cornhill made through it in 1816.
- Bell alley**, B., 1708; from Middle (now Hanover) st. to Clark's (now North) sq. opposite the North Church; Prince st. extended through, July 11, 1833; all that part not coming within the lines of the extension of Prince st. discontinued, Dec. 30, 1833.
- Bell court**, So. B., 1872; from D st., north-west, to O.C. (now N.Y., N.H. & H.) R.R.; called Bells court in 1884.
- \***Bell street**, W. Rox., 1888; from Chestnut av. to Lamartine st.; formerly called Cedar av.; laid out as Bell st., Oct. 23, 1888.
- Bella Vista**, W. Rox., 1849; from South st., near junction of Forest Hills (now Morton) st., north-west; now an unnamed way over grounds of the Arnold Arboretum.
- Belle avenue**, W. Rox., 1870; from Baker st., south, adjoining the west side of Dedham Branch of B. & P. (now N.Y., N.H. & H.) R.R.
- Bellevue**, So. B., 1837; City lands, commonly known as the Farm, on which Houses of Industry, Correction and Reformation were situated, named Bellevue, Feb. 27, 1837.
- Bellevue avenue**, W. Rox., 1872; from junction Washington st. and Beech st. to Dudley av.; called Bellevue st. in 1874; and Bellevue av. in 1890.
- Bellevue avenue**, W. Rox., 1860; name of Lyon st. in westerly part of town (from Centre st. by Lyon's) changed to Bellevue ave., April 2, 1860; commonly called Bellevue st.
- Bellevue park**, W. Rox., 1874; from Robin st. to Adelaide terrace; Bellevue st. extended over, June 21, 1887.
- \***Bellevue street**, Dor., 1848; from Columbia st., at Glendale st., across Quincy st. to Kane st.; formerly from Bowdoin st. (at Eaton sq.) to Columbia st.; located Feb. 21, 1848; name of part from junction with Quincy st., which is a continuation of said Quincy st., to Bowdoin st. changed to Quincy st., March 1, 1886; part between Quincy st. and Kane st. laid out (over a part of Bellevue terrace) June 19, 1889.

- \***Bellevue street**, W. Rox., 1860; from Centre st. to Adelaide terrace; street from Centre st. by Lyon's named Lyon st., May 9, 1825; same shown as Bellevue st. in 1848; name of Lyon st. changed to Bellevue av., April 2, 1860, but street commonly called Bellevue st. thereafter; extended from Oriole st. to a private way called Adelaide terrace, in part over a private way called Bellevue park, June 21, 1887; part now included in Parkway, West Roxbury.
- \***Bellevue street**, Rox., 1862; from Longwood (now Francis) st. to Brookline av.; from Pilgrim st. (now Longwood av.), south-west, 1849; called Cedar st. from Francis (formerly Longwood) st. to Elm st. (now Longwood av.), 1850-1857; same part called Bellevue av., 1862; accepted conditionally, Sept. 28, 1863; Bellevue st. extended from Longwood av. to Brookline av., over private way called Maple av., Feb. 14, 1887.
- Bellevue street**, W. Rox.; from junction Washington st. and Beech st. to Dudley av.; now called Bellevue av.
- Bellevue street**, W. Rox., 1848; from Spring st.
- Bellevue terrace**, Dor.; from Quincy st.; laid out as Stanley st., Kane st. and Bellevue st., June 19, 1889.
- \***Bellflower street**, Dor., 1884; from Dorchester av. to Boston st.; laid out, May 8, 1894.
- Bellingham place**, B., 1885; from Revere st., north, between West Cedar st. and Revere-st. pl.; called Sherman pl., 1847; May-st. court, 1849; Revere-st. court, 1858; Hill pl. or Hill court, 1867.
- Bellows place**, Dor., 1851; from Dorchester av., west, between Richmond st. and Codman st.
- Bellows place**, Chsn., 1854; from 20 Walnut st., north-west; formerly called Dennis pl.
- Bells court**, So. B.; from D st., north-west, to O.C. (now N.Y., N.H. & H.) R.R.; sometimes called Bell court.
- Belmont avenue**, B.; from Clinton st., north, to Richmond st., between Essex av. and Revere av.; now built over.
- Belmont avenue**, W. Rox., 1849; from Florence st., at Mt. Hope station, to Poplar st.; called Alpine av. in 1847; Belmont av. in 1843-49; Brown's av. in 1855; accepted as Brown av., March 29, 1869.
- Belmont court**, B., 1857; from Belmont (now Oliver) st., north-east, between High st. and Purchase st., nearly opposite Lane pl.; not in directory after 1868, and apparently now a court without a name.
- Belmont place**, E.B., 1863; from Everett st., north-east, between Cottage st. and Lamson st.
- \***Belmont square**, E.B., 1833; between Seaver, Sumner, Webster and Lamson sts.; laid out and accepted as a public square, April 4, 1853, and deed passed April 5, 1853.
- Belmont street**, B., 1844; from Washington pl. (now Fort Hill sq.) to Broad st. (now Atlantic av.); called Gibbs lane, 1708; name changed to Belmont st., Sept. 23, 1844; included in and name changed to Oliver st., April 21, 1868.
- Belmont street**, Rox., 1848; from Ruggles st. to Vernon st., near Cabot st.; called Suffolk st., 1830; laid out as Haskins st., July 31, 1886.
- \***Belmont street**, Chsn., 1845; from Bunker Hill st. to Medford st., between Webster st. and North Mead st.; laid out, July 23, 1861.
- †**Belvidere street**, Rox.; from West Chester park (now Massachusetts av.) to West Newton st., near junction of Falmouth st.; a small part east of Dalton st., on land of B. & A. R.R. Co., being a proposed street; laid out from West Chester park to Dalton st., June 7, 1890.

- \***Bendall's lane**, B., 1882; from Faneuil Hall sq. to North st.; a public foot-way; City Solicitor decided, Sept. 23, 1879, that it was public; named, Feb. 27, 1882.
- \***Benedict street**, Chsn., 1887; from Rutherford av. to Lawrence st.; Edmands court laid out from Rutherford av., and extended to Lawrence st. with name of Benedict st., July 2, 1887.
- Bennet avenue**, B., 1839; from N. Bennet st. to Prince st.; School alley, 1732; Grammar alley, 1795; Prince-st. av., 1833; called Bennet av., 1839.
- Bennet place**, B., 1816; from Bennet (or S. Bennet) st., north, near Harrison av.; was sometimes called S. Bennet pl.
- Bennet place**, B., 1834; from N. Bennet st., south-west, near Hanover st.; called N. Bennet pl., 1858.
- \***Bennet street**, B.; 1708; from Middle (now Hanover) st. to Back (now Salem) st.; commonly called N. Bennet st.
- \***Bennet street**, B., 1732; from Washington st. to Harrison av.; from Orange (now Washington) st., opposite Harvard (now Hollis) st. to the sea, 1732; named by Selectmen, July 4, 1788; extended to Front st. (now Harrison av.), 1805; sometimes called S. Bennet st.
- Bennet-street avenue**, B., 1846; now Bennet av.
- Bennett place**, E.B., 1875; from 24 White st., north, nearly opposite Marion st.
- \***Bennett street**, Bri., 1858; from Market st., west, crossing Parsons st.; laid out from Market st. to Parsons st., Feb. 19, 1858; accepted, March 8, 1858; named, March 5, 1860; extended west from Parsons st., July 16, 1885.
- Bennington place**, E.B., 1848-9; from Bennington st.; not identified.
- †**Bennington street**, E.B., 1834; from Central sq. to Ashley av., on Breed's Island; laid out from Chelsea st. to a point about 260 feet from south-east line of land of Eastern R.R. Co. (now B. & M. R.R.), Aug. 7, 1848; to Swift st., Aug. 7, 1848; accepted from Central sq. to Chelsea st., April 26, 1858; triangle at junction of Chelsea st., Nov. 1, 1858; at junction of Bremen st., July 23, 1862; extended from Swift st. to Wordsworth st., Sept. 2, 1885; extended from Wordsworth st. to Saratoga st., on Breed's Island, Nov. 8, 1886; extended from Saratoga st. to Ashley av., now Walley st., July 3, 1888.
- Bentley street**, Bri.; from Henshaw st. to Sparhawk st.; authority to open given by Street Commissioners, June 12, 1893.
- Benton street**, Rox., 1859; from Tremont st. to Berlin st. (now Columbus av.); shown as an unnamed street in 1849.
- Berkeley court**, Dor., 1874; from Belden st. (formerly Berkeley pl.), near Dudley st., south-east; now Belden court.
- Berkeley place**, Dor., 1868; from Stoughton (now Dudley) st., north-east, crossing end of Hamlet st.; laid out as Belden st., Sept. 2, 1884.
- Berkeley square**, B.; parts of Boylston st. and Newbury st., between Berkeley st. and Clarendon st. in front and rear of grounds of Institute of Technology and Natural History Rooms, so called at one time.
- \***Berkeley street**, B., 1858; from Tremont st., opposite Dover st., to Beacon st.; called Avenue I. on plans of Back Bay land dated 1854; laid out from Tremont st. to Chandler st., April 7, 1868; laid out from Chandler st. to land of Boston & Prov. (now N.Y., N.H. & H.) R.R. Corporation, Oct. 27, 1868; laid out from Stanhope st. to Providence st., Nov. 17, 1868; laid out from Providence st. to Beacon st., July 24, 1873.
- Berkshire street**, Dor.; from Westmoreland st. to Beaumont st.
- Berkshire street**, B.; shown on Hale's map of 1814, parallel, and west of Shawmut av.

- Berlin street, B.**, 1843; from E. Canton st. to Hamburg st.; made a part of Mystic st., 1845.
- Berlin street, B.**, 1857; from Pleasant st. to Church st.; called Pleasant-st. court, 1829; named Berlin st., 1857; name changed to Tennyson st., April 20, 1869.
- Berlin street, Rox.**, 1858; from Columbus av., a short distance north of Davenport st., to Walpole st.; part of included in the extension of Columbus av., Jan. 4, 1895.
- Bernard street, Dor.**, 1884; from Cemetery lane or st., to Harvard st.; probably extended through Cemetery lane or st., or Burying-pl. lane, to Norfolk st.; part south of Harvard st. shown as Warner av. at one time.
- Bernier street, Rox.**, 1874; from Brookline av. crossing end of Plymouth st. to Brookline line; part between Brookline av. and Plymouth st. called Leyden st. in 1849.
- Berry lane, B.**, 1733; from Leverett st., east. (Closed by erection of the almshouse in 1803.)
- Berry street, B.**, 1803; from Federal st. to Atkinson (now Congress) st.; called Bury st., 1732; sometimes called Bury lane; named Barracks lane by Selectmen in 1788, but name not used; called Berry st., 1803; name changed to Channing st., July 14, 1845.
- \***Berry street, Dor. and W. Rox.**, 1840; from Canterbury st. to Sutton st.; formerly from Ashland st. by Calvary and Mt. Hope cemeteries to Canterbury st. nearly opposite Mt. Hope av.; named in Dorchester from Back st. to Roxbury line, March 11, 1840; part in West Roxbury called South Short st. in 1849; part of, in Dorchester, near Roxbury line, which runs north-easterly, called Pain's lane in 1855; part from Back st. running north-westerly to beginning of Pain's lane included in Oakland st., Sept., 1856; date of naming of present street which comprises Pain's lane and South Short st. unknown; part between Sutton st. and entrance to Calvary cemetery discontinued, July 6, 1892.
- Berry street, W. Rox.**, 1872; from Central av. (now Cornell st.), north, crossing Brook st., between Orange st. and Hill st.; authority to open extension to Aldrich st. given by Street Commissioners, Dec. 1, 1891.
- Bertram street, Bri.**; from North Harvard st. to Rena st.
- Bertram street, Dor.**; from Neponset av., east and then north, between Freeport st. and Tolman st.
- \***Berwick park, B.**, 1869; from Columbus av., west, to B. & P. (now N.Y., N.H. & H.) R.R.; portion of Pembroke st. lying west of Columbus av. named Berwick park, Dec. 21, 1869.
- Berwick road, Bri.**; from Commonwealth av. to Chiswick road.
- Bessom court, E.B.**, 1848; from Webster st., north-east, between Cottage st. and Orleans st.
- Bethel place, B.**, 1843-49; from north side of Sun-court st.
- Bethel court, } B.**; from Anderson st., west, on north side of Bethel  
**Bethel place, } church**; called Bethel court, 1864; Bethel pl., 1867.
- Bethune's corner, B.**, 1732; cor. of Summer st. and Newbury (now Washington) st., then so called.
- \***Beverley street, B.**, 1807; from Charlestown st. to Warren bridge; laid out and named from Charlestown st. to Causeway st., Aug. 3, 1807; extended to Warren bridge by Fitchburg R.R. Co., in pursuance of Act of Legislature passed April 20, 1847; accepted and named by City, July 30, 1849.
- Bickford avenue, Rox.**, 1875; from Heath st., north-west, between Parker st. and Lawn st.

- Bickford place**, Chsn., 1872; from Main st., north-east, between Salem st. and School st.; formerly Beckford court; now Linwood pl.
- \***Bickford street**, Rox., 1872; from Heath st. to Centre st.; laid out from Heath st. to Bromley park, Sept. 20, 1876; extended to Centre st., July 24, 1883.
- Bicknal avenue**, Rox., 1878; from Roxbury st., between Shawmut av. and Washington pl.; also called Bicknell pl. and Bicknell av.
- Bicknal** } **avenue**, Dor., 1875; from Harvard st. to White st.; formerly  
**Bicknell** } from Harvard st., north, and parallel with Sanborn' av.; laid out as Bicknell st., from Harvard st. to White st., Dec. 14, 1894.
- Bicknell place**, Rox.; from Roxbury st., north, between Shawmut av. and Washington pl.; also called Bicknal av. and Bicknell av.
- \***Bicknell street**, Dor., 1894; from Harvard st. to White st.; Bicknell av. laid out as Bicknell st., Dec. 14, 1894.
- \***Bigelow street**, Bri., 1858; from Newton st. to Washington st. at Oak sq., with branch running south-east to Brooks st. across end of Dunboy (formerly Everett) st.; from Newton st. to Faneuil st. at Oak sq. with above branch, 1858; laid out so as to intersect the new County road (Faneuil st.) proposed by Commissioners, July 8, 1872; accepted, Aug. 14, 1873; laid out, Dec. 18, 1873; accepted conditionally, Dec. 30, 1873; extended from Faneuil st. at Oak sq. to Washington st. at Oak sq., Aug. 14, 1882; extended from a point south of Webster st. to Brooks st., Nov. 2, 1891.
- Bill and Smith's corner**, B., 1732; cor. Sudbury st. and Hawkins st., then so called.
- \***Billerica street**, B., 1837; from Causeway st. to Minot st.; accepted conditionally, Nov. 18, 1844, and finally, 1851.
- Billings court**, B., 1849; from Friend st., north-east, near Hanover st.; included in the extension of Washington st. to Haymarket sq., Nov., 1872.
- Billings place**, Rox., 1869; from Parker st., north-west, near Alleghany st.; Hillside st. extended to Parker st. in part over Billings pl., April 27, 1882.
- Billings place**, W. Rox., 1849; from Centre st., north-west, near Mt. Vernon st.; included in La Grange st. as laid out Oct., 1869.
- \***Billings street**, W. Rox., 1888; from Spring st. to south-east of Prospect st.; known as Franklin av., 1870 to 1888; laid out from Spring st. to Hamilton st., Sept. 28, 1888.
- Bills corner**, B., 1732; cor. Ship (now North) st., and Whitebread alley (now Harris st.), then so called.
- Bills court**, Rox., 1848; from Ruggles st., north, between Mechanic st. and Field st.
- Binney place**, Rox., 1848; from Albany st., south-east, between Yeoman st. and Hampden st.
- Binney street**, Rox., 1850; from Francis st. between Vila st. and Brookline av., north-east, crossing Longwood av.
- †**Birch street**, W. Rox., 1876; from South st. at junction of Brandon st. to Dudley av., crossing end of Prospect (now Penfield) st.; name of Maple st. (from South st. to Prospect st.) changed to Birch st., Dec. 5, 1876; laid out from South st. to Prospect (now Penfield) st., Nov. 24, 1879; extended as a private way from Prospect st. to Dudley av., 1886.
- Birch street**, Dor.; from Lauriat av. to Chapman av.
- Bird lane**, So. B., 1857; from G st., east, between E. Fifth st. and E. Sixth st.; called Story st., 1873; laid out as Story st., from G st. to H st., June 30, 1890.

- Bird** } lane, Dor., 1874; from River st., north-west, towards Oakland st.,  
**Bird's** } crossing N.Y. & N.E. R.R. near Hyde Park line; sometimes called  
 Baldwin's lane; shown as Randolph road in 1894.
- Bird place,** } Dor., 1871; from Bird st., south-east; called Bird  
**Bird-street place,** } place, except in the order to include in extension of  
 Glendale st., Dec. 19, 1878, where it was called Bird-street pl.
- \***Bird street,** Dor., 1854; from Magnolia st. to Columbia st., crossing the  
 N.Y. & N.E. R.R.; laid out, March 1, 1869.
- Bird's avenue,** W. Rox., 1874; from Centre st., north-west, opposite  
 Bellevue st.
- \***Bishop street,** W. Rox., 1871; from Newbern st. to Call st., crossing  
 Everett st.; laid out, April 16, 1877.
- Bishop's alley,** B., 1708; from Summer st. to Milk st.; called Board alley,  
 1792; Bishop's lane in 1796; named Hawley st., Dec. 10, 1799; called  
 Bishop's alley as late as 1807.
- Bishop Stoke street,** B., 1732; a 25-foot street from Beacon st., north,  
 160 feet west of Belknap (now Joy) st.; discontinued before 1800,  
 part of being now within the limits of Walnut st.
- Bismarck street,** Rox., 1871; from Blue Hill av., east, south, and south-  
 west, to Blue Hill av. again; name changed to Rand st., Dec. 30, 1871;  
 southerly part of Rand st., near Blue Hill av., included in Brookford  
 st., July 6, 1883.
- Bismarck street,** Dor., 1872; from Hersey st., south-west, crossing Oakland  
 st. between Favre st. and Haven av.
- Bismarck street,** W. Rox., from Boylston st., south-west, parallel with  
 Brookside av. and crossing end of Germania st.
- Blaban place,** Chsn., 1852; from Pearl st., north-west, near Medford st.,  
 sometimes called Blavan pl.
- Black Horse lane,** B., 1698; from Middle (now Hanover) st. towards  
 Charlestown Ferry; extended as a highway 24 feet wide from lower  
 end to Charlestown Ferry, Jan. 25, 1702; called Prince st., 1708.
- Black Jack alley,** B.; an early name for part of Devonshire st., between  
 Water st. and Milk st.
- Blackstone square,** B., 1832; between Washington st., Brookline st.,  
 Shawmut av. and Newton st.
- \***Blackstone street,** B., 1834; from junction of Fulton st. and Clinton st.  
 to Haymarket sq. crossing Ann (now North) st. and Hanover st.; por-  
 tion near Hanover st. mentioned in City Records, May 3, 1708; from  
 Clinton st. to North st., Aug. 10, 1824; laid out from Fulton st. and  
 Clinton st. over the entire length of the Mill creek to Cross st. and  
 Charlestown st. at Haymarket sq., Oct., 1833; named, Sept. 22, 1834;  
 after laying out and previous to naming sometimes called Creek st. and  
 Canal st.; easterly part from Ann (now North) st., east, previously  
 called Royall's alley.
- Blackstone's point,** B., 1708; at the foot of Leverett st.; called Barton's  
 point, 1712.
- Blackwell street,** Dor.; from Neponset av. to Bowman st.
- \***Blackwood street,** Rox., 1880; from St. Botolph st., between Cumberland  
 st. and Albermarle st., to B. & P. (now N.Y., N.H. & H.) R.R.; laid  
 out, Jan. 19, 1880.
- \***Blagden street,** B., 1889; from Huntington av. to Exeter st.; this part of  
 St. James av. named Blagden st., March 1, 1889.
- Blaine avenue,** Bri., south from Braintree st., near and east of Everett st.;  
 laid out as Blaine st., July 14, 1891.

- \***Blaine street**, Bri., 1891; south from Braintree st., near and east of Everett st.; formerly Blaine av.; laid out, July 14, 1891.
- Blake street**, So. B., 1872; from Boston st. to Dorchester av., opposite Kemp st.
- \***Blakemore street**, W. Rox., 1880; from Hyde Park av. to junction of Brown av. and Florence st. near Mt. Hope station; laid out, with bridge over B. & P. (now N.Y., N.H. & H.) R.R., July 1, 1880.
- Blake's court**, B., 1831; from Washington st., east, between Malden st. and Waltham st.; reaching to Front st. (now Harrison av.) on extension of the latter in 1834; accepted conditionally, June 27, 1853; accepted and named Union Park st., Oct. 16, 1860.
- \***Blakeville street**, Dor.; from Bowdoin st. to Olney st.; laid out, June 19, 1890.
- Blanchard court**, B., 1849; from Washington st., west, between Groton st. and Dover st.; called Hawthorn pl. after 1842.
- Blanchard court**, B., 1849-53; from Washington st., west, near Warren or Pleasant st.
- \***Blanchard place**, } Rox.; from Bartlett st. to Norfolk st.; called Blan-  
 \***Blanchard street**, } chard pl., 1848; laid out, July 20, 1875; named  
 Blanchard st., Aug. 17, 1875.
- Blanche court**, B., 1844; from Tyler st., east, south of and near Kneeland st.; called Munroe pl., 1857.
- \***Blanche street**, Dor., 1885; from Greenhill st., north, then at a right angle, east, to Capen st.; Harrison st. laid out with name of Blanche st., July 21, 1885.
- Blavan place**, Chsn.; from Pearl st., north-west, near Medford st.; Blaban pl. sometimes so called.
- Bleiler court**, Rox., 1881; from Heath pl., east.
- Blind lane**, B., 1708; from the lower end of Pond st. at Short (now Kingston) st., north-east, to Church green, Summer st.; sometimes also called Pond lane and Rowe's lane; Pond st. extended through it to Summer st., 1803; Pond st. named Bedford st., 1820.
- Bloomfield street**, Dor.; from Geneva av. to a proposed st. called Greenbriar st.
- Bloomington street**, Dor; from Tolman st., north, and then east to Eaton st.
- Blossom court**, B., 1826; from Blossom st., east, between Cambridge st. and Emmett pl.
- Blossom place**, B., 1826; from Blossom st., east, between Emmett pl. and Parkman st.
- \***Blossom street**, B., 1803; from Cambridge st. to Allen st.; from Cambridge st., north, across Vine (now Parkman) st., 1803; laid out from Cambridge st. to North Allen (now Allen) st., Dec. 10, 1817.
- Blossom street**, Chsn., 1828; from Bunker Hill st. to Vine st.; now a part of Decatur st.
- Blossom-street place**, B., 1843; from Blossom st., east, opposite Fruit st.; called Seabury pl., 1844.
- Blott's lane**, B., 1690; from Newbury (now Washington) st. to the Common; probably so called prior to 1708; called Willis' lane, Banister's lane, and Bolt's lane; named Winter st., 1708.
- Blue Hill avenue**, E.B., 1876; from Orient av. to Washburn av. (now Walley st.), between Water av. and Farrington st.
- \***Blue Hill avenue**, Rox., Dor., and W. Rox., 1870; from Dudley st. to Milton line; part in Roxbury from present Quincy st., north-west as far as junction of present Dennis st. and said avenue named as a part

- of Dennis st., May 9, 1825; part from Warren st. to Dudley (formerly Eustis) st. including above part of Dennis st. named as a part of East st., Aug. 29, 1842; East st., from Warren st. to Dudley (formerly Eustis) st., named Grove Hall av., Dec. 8, 1851; part from Warren st. to Milton line constructed by Brush Hill Turnpike Corporation, location being filed Sept., 1805, and called Brush Hill turnpike, sometimes also av.; this turnpike laid out over a part of Canterbury st., near Roxbury and Dorchester line; part in Dorchester from Milton line to highway near store of George L. Fisher laid out as a public highway, Dec., 1849; franchise relinquished by proprietors of the corporation, Oct. 13, 1856; remainder of street as far as Warren st., in Roxbury, not before public, laid out as a public highway, Dec., 1856; name of Grove Hall av. extended over part in Roxbury from Warren st. to West Roxbury line at Seaver st., Jan. 28, 1867; Grove Hall av. (from Dudley st. to Seaver st.) and Brush Hill av. (from Seaver st. to Mattapan) named Blue Hill av., Oct. 25, 1870; relocated at a width of 120 feet, from Washington st. at Warren st. to River st., Mattapan, Nov. 5, 1894.
- Board alley**, B., 1769; from Milk st., nearly opposite Oliver st.; called Parrott's alley in list of 1800; now closed, being part of land occupied by the Mason building.
- Board alley**, B., 1792; from Summer st. to Milk st.; called Bishop's alley, 1708; called Board alley, 1792; Bishop's lane, 1796; called Hawley st., 1800.
- Board alley**, B., 1833; from Charter st. to Commercial st., between Lime alley and Foster st.; named Jackson av., 1837.
- Board alley**, B., 1848; from Cow lane (now High st.) opposite and slightly east of end of Long lane (now Federal st.) to Belcher's lane (now Purchase st.); called Crooked alley, 1708; Brick alley, 1788; Board alley in 1848; shown as Board alley on plans as late as 1870, but now closed.
- \***Board alley**, B., from Hanover st. to North st., between Richmond st. and Mechanic st.; called Gallop's alley, 1708; Board alley, 1834.
- Bodwell park**, } Dor., 1879; from Columbia st. to Bird st.; Bodwell park  
 \***Bodwell street**, } shown as a private street 24 feet wide extending about  
 430 feet south from Bird st. in 1879; extended as a private way to  
 Columbia st. in 1882; laid out as a public street with name of Bodwell  
 st., July 31, 1884.
- Bog lane**, B., 1788; part of Distill-house sq. or Still-house sq., leading north-west from Sudbury st., sometimes so called; same part of said square named Adams st., Sept. 9, 1850; widened and name changed to Bowker st., April 20, 1868.
- Bolster street**, Rox., 1887; from Wyman st. to Mozart st.
- Bolton avenue**, E.B., 1876; from Ashley av., between Jones st. and Brimmer av., north-east, to Revere line.
- Bolton court**, So.B., 1874; from Bolton st. to W. Third st., between A st. and N.Y. & N.E. R.R.
- Bolton place**, So.B., 1873; from Bolton st., north-east, north-west of N.Y. & N.E. R.R.
- Bolton place**, Chsn., 1861; from High st., opposite Franklin st., north-east; shown as part of Bolton st. in 1818.
- \***Bolton street**, So.B., 1846; from Dorchester st., between W. Second st. and W. Third st., to W. Second st., crossing N.Y. & N.E. R.R.; laid out from C st. to D st., July 1, 1862; from D st. to E st., May 5, 1873; from B st. to C st., April 11, 1874; from C st. to D st., apparently a second time, Oct. 22, 1874; from E st. to F st., May 31, 1875; from F st. to Dorchester st., June 9, 1879; from B st. to N.Y. & N.E. R.R., Aug. 23, 1880; from W. Second st. to N.Y. & N.E. R.R., Dec. 26, 1884.



- \***Bolton street**, Chsn., 1818; shown in 1818 as extending from Main st. to unnamed street in position of present Russell st.; part from Main st. to High st. accepted, April 5, 1874, and then "known as Franklin st.;" from High st. to Russell st. never accepted and the only part now existing known as Bolton pl.
- Bolt's lane**, B.; before 1708 from Newbury (now Washington) st. to the Common; another name for Blott's lane; also called Banister's lane and Willis' lane; now Winter st.
- Bond avenue**, W. Rox.; laid out as Sylvia st., from Washington st. to Forest Hills st., July 17, 1891.
- \***Bond street**, B., 1846; from Milford (formerly South Lowell) st. to Hanson st.; laid out, May 5, 1868.
- Bond street**, Chsn., 1863; a part at junction of Heath st. shown on plan; not identified.
- \***Border street**, E. B., 1833; from Condor st. along the west side of Central sq. across Sumner st. to the North Ferry; accepted conditionally from Condor st. to Sumner st., June 14, 1852; extended from Sumner st. to East Boston North Ferry over street formerly known as People's Ferry av., Aug. 3, 1880.
- Borland's corner**, B., 1708; cor. Milk st. and Long lane (now Federal st.), then so called.
- Boston avenue**, Dor., 1854; Dorchester av., so called on plan of laying out.
- Boston avenue**, W. Rox., 1837; from Willow (now Green) st., north-east to land of N. D. Williams; but shown in 1849 under name of Lamartine st. as extended only to Boylston st.; called Lamartine st., 1848.
- \***Boston avenue**, Chsn., 1836; from City sq. to Warren bridge; Warren av. laid out, accepted, and named Boston av., May 2, 1836; no record of change to Warren av. again, which name it now bears, but given in directories until 1854 as Boston av.
- Boston Common**, B., bounded by Tremont, Boylston, Charles, Beacon, and Park sts.
- Boston place**, So. B., 1856; from Dorchester st., near Jenkins st., south-east, to O.C. (now N.Y., N.H. & H.) R.R.
- Boston road**, Rox., 1833; Centre st., so called.
- \***Boston street**, Dor. and So. B., 1840; from Dorchester av. at Swett st. to Dudley st. junction of Hancock st.; named in Dorchester from South Boston line (which then crossed the junction of present Dorchester st. and Telegraph st.) to the burying-place (Upham's corner), March 11, 1840, but probably commonly so called earlier than 1810; after annexation of Washington Village to South Boston (chapter 468, Acts of 1855) part of, in the territory annexed as far as Dorchester line named as a part of Dorchester st., July 3, 1855; Boston st. laid out and variously altered at same time with Hancock st., forming a continuous highway from Meeting-House Hill to Boston, April, 1860; from Dudley st. (at Upham's corner) to old Boston line, 1869; part of Dorchester st. from Dorchester av., south-west, to Boston st. named as a part of Boston st., Oct. 7, 1873.
- Boston Theatre place**, B., 1858; from Washington st., west, south of West st.; a passageway in front of and leading to Boston Theatre one block south of Harlem (now an unnamed) pl.; discontinued sometime before 1874.
- Boston Wharf streets**, So. B., 1855; seven streets laid out in 1855 on South Boston Flats, but never constructed. Two other streets were laid out in 1868, between Mt. Washington av. and Eastern av. (now Congress st.) but also never constructed.

- \***Bosworth street**, B., 1883; from Tremont st. to Chapman pl.; called Montgomery pl., 1825; part of Montgomery pl., from Tremont st. to Chapman pl. extended, laid out and named Bosworth st., May 14, 1883; there is a part between the extension of Chapman pl. and Province st. not yet laid out, although used as a way.
- \***Bothnia street**, Rox., 1889; from Belvidere st. to Boylston st.; laid out, Aug. 21, 1889.
- \***Botolph street**, B., 1733; from Cambridge st. to Myrtle st., between Garden st. and South Russell st.; confirmed as a public street, Sept. 15, 1834; named Irving st., April 25, 1855; called also Butolph, Buttolph, or Buttolf.
- Bound lane**, B., 1788; from Atkinson (now Congress) st. to Federal st.; probably an error in the list of 1788 for Round lane (now Matthews and formerly Williams st.).
- \***Bourne street**, W. Rox., 1825; from Walk Hill st. in a curved line to Canterbury st. at junction with Neponset av.; named May 9, 1825; probably a public highway some time previous.
- Bourneside street**, Dor., 1891; from Melville av. to Park st.; authority to open given by Street Commissioners, Oct. 1, 1891.
- Boutwell avenue**, } Dor.; from Neponset turnpike (now av.) west, north  
 \***Boutwell street**, } of Ashmont st.; called Boutwell av. in 1858, and  
 shown as crossing Train st.; called Carter st. in 1869; laid out from  
 Neponset av. to Train st. and named Boutwell st., May 31, 1882.
- \***Bow street**, Chsn., 1670; from City sq. to Washington st.; from City sq. across Rope or Rope-maker's lane (later Arrow st., now part of Washington st.) to Town Hill (now Harvard) st. at junction with Main st., being semi-circular in form, 1670; name of part extending north-east from Washington st. to Harvard st. at junction of Main st., changed to Devens st., March 1, 1882.
- Bow-street court**, Ch's'n, 1852; from Devens st. (formerly Bow st.), north-west.
- Bowditch court**, } Rox.; from Warren st., north-west, nearly opposite  
**Bowditch park**, } Edgewood st.; called Bowditch park, 1874; Bowditch  
**Bowditch street**, } court, 1875; Bowditch st., 1884.
- †**Bowdoin avenue**, Dor., 1836; from junction Washington st. and Bowdoin st. to Eldon st., with branch northerly to junction Rosseter st. and Union av. (now Bullard st.); a part not contiguous to above from N.Y. & N.E. R.R., opposite end of Rosseter st., at Eldon st., north-west, then north to junction Columbia st. and Geneva av.; originally projected as extending from Bowdoin st. to Columbia st., dividing into two branches near Bowdoin st., as at present, and uniting again near junction of present Hawes av. and Bowdoin av.; the construction of the N.Y. & N.E. R.R. across the two branches without building bridges severed communication between the north and south portions, and later that part of westerly branch between said railroad and junction of present Hawes av. was discontinued; part of the easterly branch from Bullard st. (formerly Maple Grove av.), north, laid out as a part of Union av., Dec. 28, 1869; part from Bowdoin st., north and north-west, to Eldon st., near the railroad, laid out as Bowdoin av., Jan. 28, 1880; part of easterly branch from Union av. (now Olney st.) to Eldon st. laid out and named Rosseter st., Sept. 26, 1882; part formerly Union av., between Olney and Bullard st., named Rosseter st., March 1, 1889; also called Mt. Bowdoin av.
- Bowdoin block**, B., 1845-48; Milk st., cor. of Hawley st.
- Bowdoin court**, } B., 1834; from Bowdoin st., west, near Beacon Hill pl.;  
**Bowdoin place**, } attempt made to close Bowdoin pl., 1844, when it was reported to have been used for many years and to be a private way; called also Bowdoin court; taken by Commonwealth, in 1893, for State House grounds.

- Bowdoin place**, B., 1820; from Bowdoin st. to Mt. Vernon st.; called in directory (1820-45) "south end Bowdoin st.," (1846) "south end Bowdoin st. to Mt. Vernon st.;" in 1843 reduced to an 8-foot passage-way and soon thereafter called Beacon Hill pl.
- Bowdoin place**, B., 1818; Bowdoin st. was so called.
- Bowdoin row**, B., 1825-29; Court st., near Bowdoin sq., so called.
- \***Bowdoin square**, B., 1788; the space between Cambridge, Green, Chardon, Court, and Bulfinch sts.
- Bowdoin square**, Dor., 1870; from Westville st. north and south, near Geneva av.; formerly from Westville st., south, then east at right angle, then north at right angles crossing Westville st.; shown as a 40-foot street and a contemplated 33-foot street running east from Bowdoin st. to said 40-foot st., with branch running south and then east to said 40-foot st. in 1853; Westville st. extended to Bowdoin st. through part extending from Bowdoin st., east, Dec. 29, 1880; part south of Westville st. shown on atlas 1894 as going to Tonawanda st.
- \***Bowdoin street**, B., 1805; from Cambridge st. to Beacon st.; part from Cambridge st. to near present Derne st. laid out as a 40-foot st. in 1727, and later known as Middlecott st.; part from Middlecott st. to Beacon st. opened in 1800; called Bowdoin st., 1805; laid out as Bowdoin st. from Derne st. to Beacon st., Sept. 13, 1816; name extended over Middlecott st. to Cambridge st., July 6, 1824.
- \***Bowdoin street**, Dor., 1801; from Washington st. to junction Adams st. and Hancock st. at Eaton sq., forming three sides of the square; accepted, March 2, 1801; named from Four Corners (at Washington st.) to the Meeting House (Eaton sq.), April 6, 1801; named again from Captain Eaton's (Eaton sq.) to the Four Corners, March 11, 1840; the part now forming the south side of Eaton sq. named as a part of Church st., 1840, was changed to Bowdoin st., March 1, 1882.
- Bowdoin's corner**, B., 1732; cor. of Tremont row and Southack's court (now Howard st.), then so called.
- Bowe street**, Rox. and W. Rox., 1871; from Centre st. between Sheridan av. (now st.) and Wyman st., south-west, to Forbes pl.; included in the laying out of Forbes st., July 28, 1890.
- Bowen court**, B., 1846-60; from Belknap (now Joy) st., west, opposite Mt. Vernon pl.; closed.
- †**Bowen street**, So. B., 1868; from Dorchester st. across C st. between W. Fifth st. and W. Sixth st.; private way called Quincy st. named Bowen st., April 21, 1868; laid out from D st. to E st., May 5, 1873; from F st. to Dorchester st., June 22, 1875; from C st. to D st., Sept. 23, 1882; laid out for 128 feet west of C st., May 27, 1887; part from E st. to F st. not yet laid out.
- \***Bower street**, Rox., 1844; from Warren st. between Lansing st. and Munroe st. to Walnut av.; accepted and named conditionally, April 1, 1844.
- Bower park**, Rox.; from 18 Bower st.
- Bower place**, Rox.; from 30 Bower st.
- Bower terrace**, W. Rox.; from 78 South st.
- \***Bowker street**, B., 1868; from Sudbury st. to Chardon st.; from end of Hawkins st., north, to the Mill-pond, then south-east to Sudbury st.; called Distill sq., Distiller's sq., and Distill-House sq.; same street named Distill-House sq., July 4, 1788; called Still-House sq. in 1795 and 1800; part from Sudbury st., north-west, called also sometimes Bog lane, 1788; this part named Adams st., Sept. 9, 1850; Adams st. widened and name changed to Bowker st., April 20, 1868.
- Bowling green**, B., 1722; the space between Cambridge st. and Sudbury st. and the Mill-pond.

**Bowman street**, Dor.; from Blackwell st.

**Bow's corner**, B., 1708; corner Union st. and Salt lane, then so called.

\***Boyle street**, Chsn., 1891; from Cordis st. to Pleasant st.; formerly Cordis-st. pl.; laid out, Sept. 28, 1891.

\***Boylston avenue**, W. Rox., 1858; from Boylston st. to Green st.; probably first extended from Boylston st. only to Stony brook; called Boylston st. in 1868; constructed and continued to Green st., including Glen st., March 29, 1872; accepted, April 5, 1872.

**Boylston court**, B., 1831-34; from North side of Boylston st., between Washington st. and Tremont st.; exact situation not identified.

**Boylston court**, } B.; from Boylston st., south, opposite the burial-ground  
**Boylston place**, } extending nearly to Eliot st., opposite end of Warrenton  
 st.; called Boylston court, 1820; Boylston pl., 1826; now Boylston pl.

**Boylston Market place**, B., 1820; from Washington st., west, then north to Boylston st. adjoining Boylston market (now Boylston building); called also Boylston sq. and part also called Boylston pl.

**Boylston place**, B., 1828-30; "from west side of Washington st. near Boylston market," (now Boylston building), there were two parallel passageways on land of the Boylston market, both running west from Washington st. to the passageway leading north to Boylston st.; the southerly one of these probably called as above, but usually both known as part of Boylston sq. or Boylston Market pl.; the northerly passageway was formerly the larger, but southerly one only is now open.

**Boylston place**, W. Rox., 1884; from Boylston st., north-east, near and east of Amory st.

**Boylston square**, B., 1820; from Washington st., west, then north to Boylston st.; the south and west sides of the Boylston market (now Boylston building) laid out in 1809 as a 20-foot passageway; part of called Boylston pl., 1828-30; called also Boylston Market pl.

\***Boylston street**, B. and Rox., 1809; from Washington st. by south side of the Common and Public Garden to Back Bay Fens, and then from the west side of the Fens to Brookline av.; part from Orange (now Washington) st. to the sea (near south-west corner of the Common) called Frogg lane, 1708; but in 1800 said lane extended only as far as the burying-ground on the Common; Frogg lane from South Market pl. to the south end of the Mall called Boylston st., 1809; called Boylston st. from Boylston market (now Boylston building) to Pleasant st. (south-west corner of Common), 1813; extended from Pleasant st. to the Back Bay Basin (at present Arlington st.), 1843; part from Arlington st., west, to Cross-dam (now Parker st.) projected as Avenue II. in 1853; projected as Avenue II. to Brookline line, 1855; from Arlington st. to Berkeley st. accepted conditionally, May 8, 1865, and finally, Aug. 22, 1865; laid out from Berkeley st. to Clarendon st., Feb. 8, 1870; from Clarendon st. to Dartmouth st. May 19, 1873; from Parker st. to West Chester park (now Massachusetts av.) and about 140 feet easterly of said park, Aug. 26, 1873; from Dartmouth st. to Hereford st., June 8, 1883; from Hereford st. to the part leading east from West Chester park, already public, crossing the B. & A. R.R., July 6, 1886; part from Berkeley st. to Clarendon st., sometimes called part of Berkeley sq.; extended from west side of Back Bay Fens to Brookline av., Oct. 4, 1894.

\***Boylston street**, W. Rox., 1825; from Centre st. to Washington st.; from Centre st., south-east, to present junction of Boylston av. and Boylston st., then east to School st., named Boylston st., May 9, 1825; extended from junction of Boylston av., south-east, to Shawmut av. (now Washington st.), Sept. 8, 1873; name of part from junction of Boylston av. east to School st. changed to Amory st., March 1, 1882.

**Boylston street**, W. Rox., 1868; Boylston av., so called on plan 1868.

- Boylston terrace**, W. Rox.; from 426 Centre st., between Boylston st. and Paul Gore st.
- Boylston's alley**, B., 1734; a passageway from the end of that Cornhill now a part of Washington st. to Brattle st.; after 1816, when a new street (called Market st., 1817, and Cornhill, 1828) was laid out from Court st. to Cornhill, said alley extended from junction of said street and Cornhill to Brattle st.; called also Draper's alley; included in the extension of Washington st. to Haymarket sq., 1872.
- \***Boynton street**, W. Rox., 1870; from South st. to Call st.; laid out, April 15, 1890.
- \***Bradbury street**, Bri., 1891; from Franklin st. to Mansfield st.; laid out Aug. 14, 1891.
- Bradford place**, B., 1826; from Mason st., east, between Mason-st. pl. and rear of Boston Theatre building; called Hogg alley, 1708; built over by Keith's Theatre, 1894.
- \***Bradford place**, Rox., 1846; from East (now Hampden) st. opposite Proctor (now Eustis) st. to Magazine st.; so called in 1843-49; accepted as a public street, June 19, 1867; name changed to Eustis st., April 21, 1868.
- \***Bradford street**, B., 1846; from Waltham st., north, to end of Medford court, then west to Shawmut av. (formerly Suffolk st.); named, May 14, 1849; accepted conditionally, 1855.
- Bradford's corner**, B., 1800; cor. of Dock sq. and Union st., then so called.
- \***Bradlee street**, Dor., 1891; from Washington st. to School st., authority to open given by Street Commissioners, June 24, 1891; laid out June 22, 1894.
- Bradlee's corner**, B., 1800; corner of Dock sq. and Pierce's alley (now Change av.), then so called.
- Bradley court**, } B., 1839-61; from Endicott st., east, between Cooper st.  
**Bradley place**, } and Thacher st.; closed.
- Bradstreet**, W. Rox., 1860; north-west end of Mt. Hope st., from near Mt. Hope Station, south-east; called Bradstreet previous to 1871, when it was laid out as a part of Mt. Hope st.
- Bradstreet avenue**, W. Rox., 1884; from Mt. Hope av. or st., south-west.
- Bradstreet court**, Chsn., 1868; from Park st., west, nearly opposite end of Joiner st.
- Bradton street**, Rox., 1871; from Washington st. to Amory st.; named from Shawmut av. (now Washington st.) to Amory st., April 28, 1871.
- \***Braintree street**, Bri., 1885; from Everett st. to Franklin st. (formerly Harvard av.) parallel with and next south of B. & A. R.R.; laid out as a public street, Sept. 6, 1886.
- Branch avenue**, } B., from Charles st. to Spruce st., between Beacon st.  
 \***Branch street**, } and Chestnut st.; called Kitchen st., 1824; called Branch av., 1849; accepted conditionally, Dec. 15, 1863, but never finally till it was laid out as a public street and named Branch st., July 26, 1884.
- Branch avenue**, Dor.; from Arcadia st., south, then west to Ditson st.
- Branch street**, Dor., 1881; from Butler st. to Riverview av. (now Medway st.); at north side of Milton Branch R.R.
- Branch avenue**, } Dor.; from Arcadia st., south-east, then south-west  
**Branch street**, } Ditson st.; shown as an unnamed street in 1874; sometimes called Branch av.; called Branch st. in 1884.
- Brandon street**, Dor.; from Washington st. to Carlisle st.; part from Washington st., east, called Baker court or av. in 1873, and shown as an unnamed court in 1874; later extended east to Carlisle st.; also called by abutters Brandon st.; laid out and named Brent st., Nov. 12, 1885.

- †**Brandon street**, W. Rox., 1881; from South st. at junction with Birch st., crossing Dudley av. and Aldrich st.; parallel with and south from B. & P. (now N.Y., N.H. & H.) R.R.; shown as extending from South st. westerly, and called Williams st. in 1871; shown as Williams st. from South st. to Dudley av. in 1874; part from South st. to Cottage (now Amherst) st. laid out as Brandon st., Sept. 14, 1881; remainder of street after this date called Brandon st.; authority to open part from Dudley av. to near Colberg av. given by Street Commissioners, Dec. 1, 1891.
- Brattle alley**, } B., 1708; from Mr. Coleman's church (now corner of  
**Brattle lane**, } Brattle st. and Brattle sq.) to Queen (now Court) st.; that part of Brattle st. above described, sometimes so called at an early time; called also Dasset's or Dorsett's lane or alley as early as 1755; called Franklin av., 1815.
- \***Brattle square**, B., 1737; from Elm st. to Brattle st.; a part of Brattle st., 1708; as early as 1737 names of Brattle st. and Brattle sq. used interchangeably for street from Wing's lane (now Elm st.) to the church (cor. of present Brattle st. and Brattle sq.), then east to Dock sq.; same street called Brattle-st. sq. in list of 1800; name of Brattle sq. restricted to part from Elm st. to the church, and name of Brattle st. given to other part and to Hillier's lane, 1820.
- \***Brattle street**, B., 1694; from Washington st. at Adams sq. to Court st. at Scollay sq., from the middle of Wing's lane (now Elm st.) to Mr. Coleman's church (corner of present Brattle sq. and Brattle st.), thence two ways, easterly to Dock sq. and southerly to Queen (now Court) st., 1708; on Price's map 1769 and Page's map 1775 represented as running from Wing's lane to Queen st. across Hillier's lane, the part from the church to Dock sq. being made a part of Hillier's lane; the part from the church to Queen st. called also at an early time Brattle alley or lane; called Dasset's or Dorsett's alley, 1755-1817; called Franklin av., 1817; the part from Wing's lane to the church called also at times Brattle sq. as early as 1737, and Brattle-st. sq., 1800; now called Brattle sq; the part from the church to Dock sq. besides being called Hillier's lane (see above), called at times (with the part from Wing's lane to the church) Brattle sq., 1737, and Brattle-st. sq. on Edes' list of 1800, but shown as Cooper's alley on Carleton's map of 1800, and sometimes so called as late as 1818; this part commonly, however, called Brattle sq. or Brattle st. till 1820 when name of Brattle st. was extended over whole street from Court st. to Dock sq., the part leading west to Court st. being previously called Hillier's lane (1708) and sometimes also Belknap's alley (1744) and Gay alley; the easterly end near Dock sq. included in the extension of Washington st., 1872.
- Brattle-street square**, B., 1800; from Wing's lane (now Elm st.) to the church (cor. present Brattle st. and Brattle sq.), then east to Dock sq.; Brattle st. or sq. (now part of Brattle st. and Brattle sq.) sometimes so called; part running east to Dock sq. also called Cooper's alley about same time, and Hillier's lane on maps of 1769 and 1775.
- Brazer's corner**, B., 1800; cor. Dock sq. and Exchange lane (now st.), then so called.
- \***Bread street**, B., 1808; from Broad st. to India st. between Wharf st. and Custom-House st.; conveyed to City for a public way, March 9, 1808, by deed, and shown as Bread st. in 1808; confirmed as a public street, Sept. 15, 1834.
- \***Breck street**, Bri., 1871; from Warren st. to Washington st.; laid out, Dec. 16, 1873; included in the laying out of Massachusetts av. (now Commonwealth av.) Nov. 6, 1883.
- †**Breed street**, E.B., 1875; from Ford st. to Terrace av. (now Gladstone st.); laid out, Aug. 23, 1886; authority to open part between Ford st. and Bennington st. given by Street Commissioners, April 21, 1893.

- Breen place**, B., 1870; from Livingston st., south, between Charles st. and the river; called Livingston pl., 1844; named Breen pl., May 10, 1870; obliterated by the construction of the Charles River Embankment (now Charlesbank), authorized 1881, completed 1887.
- Bremen place**, E.B., 1859; from Bremen st., north-west, between Sumner st. and Maverick st.
- †**Bremen street**, E.B., 1833; from Sumner st. to Addison st.; accepted from Sumner st. to Porter st., May 29, 1857; accepted from Porter st. to Curtis st., July 29, 1861; accepted at junction of Bennington st., July 23, 1862.
- \***Brent street**, Dor., 1885; from Washington st. to Carlisle st.; private way heretofore known as Baker av., and later as Brandon st., laid out with name of Brent st., Nov. 12, 1885.
- Brenton street**, Dor.; from Glenway st. to Greenwood st.
- \***Brentwood street**, Bri., 1889; from Franklin st. to Everett st.; laid out by Selectmen as Pearl st., Dec. 16, 1873; laid out as Brentwood st., Aug. 13, 1889.
- Brewer avenue**, Rox., 1872; from Dudley st. to George st., between Magazine st. and Clarence st.; changed in same year to Woodward av.; laid out as Woodward av., May 7, 1877.
- \***Brewer street**, W. Rox., 1855; from Burroughs st. to Eliot st.; shown as a street without name in 1849; laid out, March 19, 1875; called Beaver st., 1874-9.
- Brewer's hill**, B., 1800; from Charter st. to Lynn (now Commercial) st. parallel with and south-west of Henchman's lane (now st.); called Sliding alley, 1708, 1732 and 1769; called Foster's lane, 1741 and as late as 1819 or later; called also Fuller st. on Carleton's map of 1795, and called Brewer's hill by Edes' list of 1800; called Foster st. on Carleton's map of 1800, which name it now bears.
- Brewery court**, Chsn., 1831-40; from 45 Salem turnpike (now Chelsea st.)
- \***Brewster street**, So. B., 1861; from E. Seventh st. to E. Eighth st., between Springer st. and I st.; laid out, Oct. 29, 1877.
- Brewster street**, Rox., 1864; from Eustis st., south-west, then south-east across Harrison av. to Winslow st.; name changed to Renfrew st., April 20, 1869.
- Brick alley**, B., 1788; from Cow lane (now High) st., opposite end of Long lane (now Federal st.) to Belcher's lane (now Purchase st.); called Crooked alley, 1708; Brick alley, 1788; Board alley, 1848; erroneously called Broad alley, 1864; shown as Board alley on plans as late as 1870 and extending from High st. near and east of junction of Federal st. to Purchase st., but now closed.
- Brick alley**, B., 1848; from North st. to Fulton st., near Ferry st.; from Ann (now North) st., east, 1848.
- Bridge court**, B., 1833; from George (now West Cedar) st., west, between Cambridge st. and Stetson's pl.; called Gilson's court or pl., 1867.
- Bridge court**, } B., from N. Anderson st., east, between Parkman  
**Bridge-street court**, } st. and Adams pl.; called Bridge court in 1828,  
 1830-35, 1869-87; Bridge-st. court in 1829.
- \***Bridge street**, B., 1803; from Cambridge st., north, across Vine (now Parkman) st., west of Blossom st.; from Cambridge st. to South Allen st., 1809; so much of street as fell within the lands of the Massachusetts General Hospital discontinued, Nov. 19, 1817, Blossom st. to be substituted therefor; formally extended from Vine (now Parkman) st. to land of Massachusetts General Hospital, Oct. 31, 1831; accepted as a public street, Sept. 15, 1834; named changed to North Anderson st., April 21, 1868.

- Bridge street**, W. Rox., 1872; from Canterbury st., east, crossing end of Brook st.
- Bridge street**, Chsn., 1714; from Fish st. (now Charles-River av.), east, to "the swing bridge" (near south end of present Gray st.); described as "New Fore st. what is now called Water st." and laid out 40 feet wide, 1780; Water st. as thus laid out probably included Bridge st. and Battery st.
- Bridge-street avenue**, B., 1832; from Bridge (now N. Anderson) st. to Blossom st.; named Adams pl., 1845, but given in directories as above until 1849.
- Bridges' lane**, B., 1796; from Middle (now Hanover) st. to Salem st.; name used late in the 18th century for street commonly known as Beer lane, 1708-1800; same street also called Bear lane, 1708; "Beer lane or Bridges' lane" named Richmond st., Jan. 22, 1800; named Parmenter st., Dec. 31, 1870.
- Bridgen's lane**, Chsn., 1670; from Bow st. next west of Grave st. to the river, 12 feet wide; called Jenner's lane, 1767; shown as Cook's lane in 1818; new street laid out over Cook's lane from Bow st. to Front st., and called Jenner st., Sept. 17, 1866.
- Brigg's court**, Rox., 1847; from Orange (now Elmwood and Hampshire) st.
- Brigg's place**, B., 1849; from Shawmut av., south-east, between Bradford st. and Groton st.; called New court, 1845; named Briggs place, 1849.
- \***Brigham street**, E.B., 1892; from Webster st. to a point south-east of Ida st.; formerly part of Terrace pl.; laid out, Nov. 26, 1892.
- \***Brighton avenue**, Rox. and Bri., 1825; from Commonwealth av. to Cambridge st.; an early name sometimes given to the Mill-dam road from Brookline line to Watertown line, and same name used at times down to 1875; said road named Avenue st., June 15, 1840; named Beacon st., Nov. 10, 1846; North Beacon st., March 5, 1860; name of part of North Beacon st., from the former boundary line of towns of Brighton and Brookline to Cambridge st. at Union sq., changed to Brighton av., March 1, 1884; name of part of Brighton av. from Beacon st. to Massachusetts av. (now Commonwealth av.) at Malvern st. changed to Commonwealth av. being a continuation of the same, March 1, 1887; sometimes described as Brighton branch of the Mill-dam, Brighton road and road to the Mill-dam.
- Brighton court**, B., 1848; from Brighton st., south-east, between Allen st. and Poplar st., extending to junction of Kennard court and Lovell pl.; Brighton-street court, 1860; Elder court, 1863; Elder place since 1868.
- Brighton road**, Rox. and Bri.; see Brighton av.
- Brighton road**, Bri., 1847; from junction of Newton road (now part of Washington st.), and Brookline road (now part of Washington st.), north-east; called Cambridge st.
- \***Brighton street**, B., 1816; from end of Lowell st. across Leverett st. and Poplar st. to Allen st.; from Leverett st. to Poplar st. called Copper st., 1803; changed to Brighton st., 1816; Brighton st. extended from Poplar st. to North Allen (now Allen) st., 1826; extended north on Barton point, March 15, 1828; confirmed as a public street, Sept. 15, 1834; part from Leverett st., north, extended to the flats and sometimes called North Brighton st., 1834; Lowell st. extended in 1842 to Brighton st., and part from Leverett st. to Lowell st. accepted, May 1, 1848.
- †**Brighton street**, Chsn., 1852; from Cambridge st., north-east, across Perkins st., then north by B. & M. R.R., then north-west to Caldwell (formerly Columbia) st.; laid out from Cambridge st. to Perkins st., Oct. 25, 1852; remainder shown as Brookline st. in 1858; called Brighton st., from Cambridge st. to Columbia st., 1868.



- Brighton street**, Bri.; part of Washington st., from junction of Tremont st., west, so called in 1871.
- Brighton-street avenue**, B., 1844; from Brighton st., north-west, to Auburn st., between Livingston (now Chambers) st. and Poplar st.; called Derby av., 1841; Brighton-st. av., 1844.
- Brighton-street court**, B., 1860; from Brighton st. south-east, between Allen st. and Poplar st., extending to junction Kennard court and Lovell pl.; called Brighton court, 1848; Brighton-st. court, 1860; Elder court, 1863; Elder pl. since 1868.
- Brighton-street place**, B., 1859; from Brighton st., south-east, between Leverett st. and Chambers st.
- Brimmer avenue**, } B., 1822-26; from Liberty sq. to Broad st.; another  
**Brimmer's avenue**, } name for street called Liberty st. on Hale's map of 1814 and at various times till 1826; Liberty st. included in Water st., March 20, 1826.
- Brimmer avenue**, } B., 1842; from Essex st., north, opposite end of Har-  
**Brimmer place**, } rison av.; called Essex pl., 1816; Essex court, 1818; Brimmer av. or pl., 1842; Harrison av. extended from Essex st. to Bedford st., over Brimmer pl., part of Chickering pl. and part of Norfolk pl., July 6, 1881.
- Brimmer avenue**, E.B., 1876; from Ashley av., north-east, to Revere line.
- Brimmer place**, B., 1884; from North st., south-east, near Richmond st.; also called North Brimmer pl.
- \***Brimmer street**, B., 1866; from Pinckney st. to Beacon st.; part between Chestnut st. and Beacon st. called D st., 1828; this part named Messenger st., Jan. 5, 1856; part from Pinckney st., south, to Mt. Vernon st., laid out as Brimmer st., Dec. 19, 1866; extended from Mt. Vernon st. to Chestnut st., Oct. 9, 1868; name of Messenger st. changed to Brimmer st., April 20, 1869.
- Brimmer's corner**, B., 1800; corner Marlboro' (now Washington) st. and School st., then so called.
- Brinton street**, Rox.; from Washington st., nearly opposite Marcella st., south-east.
- Brisco's corner**, B., 1708; corner Marlboro' (now Washington) st. and Rawson's lane (now Bromfield st.), then so called; also written Brisco's corner.
- \***Bristol street**, B., 1869; from Albany st. to Harrison av., between Dover st. and Thayer st.; laid out parallel with and 250 feet distant south-west from Dover st., March 12, 1869.
- Broad alley**, B., 1722; from Orange (now Washington) st., west; called Hollis st., 1732.
- Broad alley**, B., 1864; from High st., near and east of junction of Federal st. to Purchase st.; Board alley (earlier called Crooked alley and also Brick alley) erroneously so called in 1864; now closed.
- \***Broad street**, B., 1805; from State st., between Kilby st. and India st., to Atlantic av.; from State st. to Batterymarch st. (*i.e.*, to present junction of Batterymarch st. and Broad st.) laid out 70 feet wide and named, June 26, 1805; name of Broad st. extended over part of Batterymarch st., running easterly from former end of Broad st. to Foster's wharf, 1808; 50-foot street laid out from Sconce (now Belcher) lane) termination of Broad st., near Foster's wharf) through part of Flounder alley to Sea st., at present termination of Summer st., and said street included in Broad st., Oct. 17, 1833; name of Sea st. from easterly end of Summer st. to South Boston bridge discontinued, and entire street leading from State st. to South Boston lower (free) bridge called Broad st., Jan. 3, 1834; name of part from Summer st. to North Free bridge changed to Sea st. again, April 4, 1842, and named Federal st., April 30, 1856; name of part from Rowe's wharf to Federal st. changed to Atlantic av., March 17, 1874.

- Broad street**, Chsn., 1670; early name for the street leading from the north-east side of the Market-place (now City sq.), north; same street called Market st., 1714, and Main st., 1769.
- \***Broadway**, B. and So. B., 1804; from Washington st., opposite Pleasant st., across Fort Point channel to Dorchester av., opposite W. Broadway; laid out and named from the north end of Dorchester st. in South Boston, south-east to the sea, and north-west to the line of the Turnpike (now Dorchester av.), Feb. 27, 1805, plan dated Oct. 4, 1804; laid out from Federal st. (now Dorchester av.) north-westerly to low water mark, Nov. 17, 1868; extended across Fort Point channel to Albany st. crossing and over a part of Way st., May 3, 1869; part east of Dorchester st. named East Broadway and part west of said street named West Broadway, Feb. 18<sup>th</sup>, 1873; extended from Albany st. to Washington st., opposite Pleasant st., over part of Curve st. and including Vinal pl., July 3, 1880.
- \***Broadway**, Chsn., 1858; part of Main st. from Columbia st., near Somerville line, south-east; the continuation of Main st. in Somerville is called Broadway.
- \***Broadway bridge**, B. and So. B., 1869; over Fort Point channel; Broadway extended over channel and bridge built, May 3, 1869.
- Broadway court**, So. B., 1863; from junction E. Broadway and Emerson st., south-east of, and parallel with, I st.
- Brod bine avenue**, Rox., 1894; from Dudley st. to Forest st.; authority to open given by Street Commissioners, Dec. 26, 1894.
- Broderick alley**, B., 1885; from Commercial st., south-west, between Jackson av. and Commercial court.
- Bromfield place**, B., 1828-48; from Bromfield st., north (closed).
- \***Bromfield street**, } B.; from Washington st., between School st. and Win-  
**Bromfield's lane**, } ter st., to Tremont st.; called Rawson's lane, 1708;  
 Bromfield's lane, 1796; named Bromfield st., Nov. 10, 1828.
- \***Bromley park**, Rox., 1872; from Bickford st. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, May 15, 1874.
- †**Bromley street**, Rox., 1872; from New Heath st., between Parker st. and B. & P. (now N.Y. N.H. & H.) R.R., south-west, crossing Heath st. and Bromley park; laid out from New Heath st. to Bromley park, May 15, 1874.
- \***Brook avenue**, Dor., 1855; from Dudley st., south-west, south and north-east to Dudley st. again; called Brook st. in 1856; laid out from Stoughton (now Dudley) st. crossing W. Cottage st. to Stoughton (now Dudley) st., Aug. 12, 1869.
- Brook-avenue place**, } Dor.; from Brook av., west, between Dudley st.  
**Brook court**, } and West Cottage st.; shown as an unnamed place  
 in 1855; called Brook court in 1860; called Leavitt pl. in 1873; Brook-  
 av. pl. in 1884.
- Brook place**, Dor., 1875; from Dudley st., nearly opposite north end of Brook av., north-east.
- Brook street**, Dor., 1856; from Dudley st., south-west, south and north-east to Dudley st. again; Brook av. so called in 1856.
- Brook street**, } Dor., 1874; from Howe st., north, across Gibson st. to  
**Brooks street**, } Tenean creek; shown as an unnamed street in 1852;  
 shown as a proposed street in 1874.
- Brook street**, } Dor., 1874; from Dorchester av., opposite the south ceme-  
**Brooks street**, } tery, east, crossing Patterson st. to Hutchinson st.
- Brook street**, W. Rox., 1872; from Paine (formerly Sargent) st., north, to Bridge st.
- Brook street**, W. Rox., 1872; from Bellevue av. to Hill st., crossing Orange st. and Berry st.

- Brook street**, W. Rox., 1874; from Mt. Hope st., north of Lawn st., east, to Stony Brook; shown as an unnamed street in 1853.
- Brook street**, W. Rox., 1882; from Florence st., south-west, then north-west, to Sycamore st.; shown as an unnamed street in 1874.
- Brook street**, } W. Rox., 1882; from Newbern av. to Stony brook, be-  
**Brooks street**, } tween Canterbury st. and Hyde Park line; shown as an  
 unnamed street in 1874 and as proposed street in 1884.
- Brook Farm avenue**, W. Rox., 1874; from Baker st. to Newton line, but shown in 1874 and later as from Baker st., west, in an irregular line on land, and to buildings of, Martin Luther Orphan Home.
- \***Brookfield street**, W. Rox.; from South st. to S. Fairview st.; laid out, Dec. 27, 1893.
- \***Brookford street**, Rox. and Dor., 1883; from Blue Hill av., opposite Woodbine st., to Howard av. at Hartford st.; laid out, July 6, 1883, the part near Blue Hill av. being laid out over the southerly portion of Rand (earlier Bismarck) st.
- \***Brookline avenue**, Rox. and B., 1849; from Beacon st., at Commonwealth av., south-west, to Brookline line; called road to the Punch Bowl Tavern in 1828; Punch Bowl road on map 1845; Brookline st. in 1845, and by directories until 1868; road over Mill-dam on plan dated 1850, called Brookline Branch of Western av., or Punch Bowl road, and by those names located by indenture between Commonwealth and Roxbury Mill Corporation, dated Dec. 30, 1856, from the Mill-dam (now Beacon st.) to Washington st., Brookline; laid out as Brookline av., Dec. 7, 1868.
- Brookline road**, Bri., 1847; leading south-east from junction of Newton road (now Washington st.) and Brighton road (now Cambridge st.); now part of Washington st.
- \***Brookline street**, B., 1834; from Tremont st. to Front st. (now Harrison av.); from Tremont st. to Washington st. seems to have been called both Brookline st. and Dorchester st. previous to 1834, from Tremont st. to Front st. named Brookline st., Sept. 15, 1834, reaching to Albany st. on the extension of that street to Roxbury line, April 21, 1855; accepted, Dec. 7, 1857; part west of Tremont st. to line of Boston Water Power Co., accepted, Dec. 21, 1859; whole street accepted, Oct. 30, 1860; laid out from Tremont st. to Warren av. and accepted, May 21, 1867; part from Washington st. to Albany st. named E. Brookline st., and part from Washington st. to Warren av. named W. Brookline st., April 21, 1868.
- Brookline street**, Rox., 1845; Brookline av., so called on plan, and by directory until 1868.
- Brookline street**, Chsn., 1858; from Perkins st., north-east, to and along B. & M. R.R., then north-west to Columbia (now Caldwell) st.; by directory 1868 and thereafter considered as a part of Brighton st.
- Brook's corner**, B., 1708; cor. Marshall lane (now st.) and Creek lane (now sq.), then so called.
- Brooks place**, B., 1861; from Cambridge st., south, next east of Anderson st.
- Brooks place**, Rox., 1854; from Brooks (now Conant) st., south, between Phillips st. and Parker st.; called Brooks-st. pl., 1860-68; now called Conant-st. pl. or court.
- Brooks place**, Bri., 1883; from Washington st., north, near Oak sq.
- \***Brooks street**, E.B., 1835; from Bremen st., between Putnam st. and Marion st., to Condor st. (with extension north of Condor st. to the water, and proposed extension south from Bremen st. to Front st.); extended from Condor st. to Harbor Commissioners' line (for water-pipes), Aug. 31, 1850; accepted from Chelsea st. to Condor st., June 3, 1856; accepted from Chelsea st. to Bremen st., Nov. 26, 1861.

- Brooks street, Rox.**, 1845; from Parker st., north-east of Smith st., north-west, 780 feet; shown as extending to Bumstead lane, now St. Alphonsus st., in 1867, named Conant st., April 21, 1868.
- Brooks street, Chsn.**, 1848-52; from Moulton st. to Chelsea st.; Bainbridge st., so called.
- Brooks street, Chsn.**, 1831; from Morton st., near Edward Adams' ropewalk (now cor. of Moulton st. and Bainbridge st.) to Mystic River in 1846; shown as a part of Morton st. in 1818; this street was accepted as Moulton st. by Selectmen, June 9, 1826; but names of Brooks st., Morton st. and Moulton st. were applied to it subsequently and simultaneously; now called Moulton st.
- \***Brooks street, Bri.**, 1858; from Faneuil st. to Faneuil Station, B. & A. R.R.; resolve that said street be laid out so as to intersect the new County way (Faneuil st.) proposed by Commissioners, July 8, 1872; laid out, Dec. 18, 1873; accepted conditionally, Dec. 30, 1873; laid out by City from Faneuil st. to B. & A. R.R., April 22, 1876.
- Brooks-street place, Rox.**, 1860-68; from Brooks (now Conant) st., south, between Phillips st. and Parker st.; called Brooks pl., 1854-60; now Conant-st. pl.
- \***Brookside avenue, W. Rox.**, 1868; from Green st. to Boylston st., between Boylston av. and Washington st.; called "Brookside, or Chemical, av." in 1870; laid out from Green st., north-east to land of heirs of Wm. H. Sumner (*i.e.*, to present junction with Chemical av.), Feb. 27, 1871; extended to extension of Boylston st., Sept. 8, 1873.
- \***Brown avenue, } W. Rox.**, 1848; from Florence st., at Mt. Hope station,  
**Brown's avenue, } south-west, to Poplar st.**; called Alpine av. in 1847; Belmont av. in 1843-49; Brown's av. in 1855; laid out and accepted as Brown av., March 29, 1869.
- Brown's court, Chsn.**, 1856; from Lawrence st., nearly opposite Johnson av., south-west.
- Brown court, Bri.**, 1876-82; from Webster av., near Union sq.
- Brown place, W. Rox.**, 1875; from Seaverns av., south, near Centre st.; shown but not named in 1874.
- Brown street, B.**, 1828; that part of Hull st., from Snowhill st. to Lynn (now Commercial) st., so called.
- Brown street, Rox.**, 1872; from Hunneman st., between Harrison av. and Fellows st., north-east.
- Browning avenue, Dor.**, 1872; from Bernard st., south-west, between Coolidge av. and Talbot av.
- Brown's corner, B.**, 1732; cor. of Milk st. and Bishop's alley (now Hawley st.), then so called.
- \***Bruce street, Dor.**, 1894; from Ashmont st. to Dracut st.; laid out as Wrentham st., from Ashmont st. to Dell (now Dracut) st., March 27, 1890; name changed to Bruce st., March 1, 1894.
- Brunswick avenue, Rox. and W. Rox.**, 1883; from Centre st., opposite junction of Pyncheon st. (now Columbus av.) and Heath st. to West Walnut park; shown as a proposed street in 1884; part of included in the extension of Columbus av., Jan. 4, 1895.
- Brunswick street, Dor.**; from Dorchester av., east, then south, nearly opposite Fuller st.
- †**Brunswick street, Rox.**, 1884; from Elm Hill av., opposite Wenonah st., to east of Blue Hill av.; from Elm Hill av. to Warren st. shown as an unnamed street in 1884; authority to open part between Warren st. and Blue Hill av. given by Street Commissioners, June 14, 1892, and laid out, Oct. 15, 1892; authority to open part east of Blue Hill av. given by Street Commissioners, Dec. 5, 1893.

- \***Brush Hill turnpike** } Rox., Dor., and W. Rox., 1805; from Warren st. to  
or avenue, } Milton line; location as above filed by the Brush  
Hill Turnpike Corporation, Sept., 1805, the part south of Seaver st.  
near Roxbury and Dorchester line being laid out over a part of the old  
Canterbury st.; laid out by County Commissioners as a public highway  
from junction of highway in Milton to junction of highway in Dorches-  
ter at or near store of George L. Fisher, Dec., 1849; proprietors relin-  
quished franchise of corporation, Oct. 13, 1856; remainder of street as  
far as Warren st., in Roxbury, not before made public, laid out, Dec.,  
1856; part from Warren st. to West Roxbury line at Seaver st. included  
in Grove Hall av., Jan. 28, 1867; Grove Hall av. and Brush Hill av.  
named Blue Hill av., Oct. 25, 1870.
- \***Bryant street**, Rox., 1884; from Huntington av. to Parker st.; part of  
Rogers av. lying north of Huntington av. laid out with name of Bryant  
st., May 21, 1884.
- Buchanan court**, W. Rox., 1873; from South st., west, between White av.  
(now Custer st.) and Jamaica st.
- Buchanan place**, Rox., 1858; from Parker st., west, between Conant st. and  
Smith st.
- Buckingham place**, B., 1873; from Buckingham st., south; laid out with  
name of Burbank st., Oct. 20, 1894.
- \***Buckingham street**, B., 1872; from Columbus av., opposite Clarendon st.,  
west, to Dartmouth st.; named, Oct. 22, 1872; laid out, Oct. 25, 1873.
- Buena Vista avenue**, } Rox., 1867; from Warren st., opposite Montrose av.,  
\***Buena Vista street**, } (now Montrose st.) to Walnut av.; called Buena  
Vista st. in 1869-76; laid out with the name of Buena Vista st., April  
30, 1894.
- Buffalo street**, B., 1839; from Beach st., south, between Front st. (now  
Harrison av.) and Hudson st.; name given in 1839 to street then  
and now known as Tyler st.
- Buffalo street**, Bri., 1882; from Market st., east, south of and parallel with  
B. & A. R.R., leading to cattle yards.
- Bulfinch place**, B., 1805; from Bulfinch st. to Bowdoin st.; called "Clap's  
buildings" in 1807.
- \***Bulfinch street**, B., 1800; from Court st. at Bowdoin sq. to Allston st.;  
from Cambridge (now Court) st., south, to the present Allston st.,  
thence to Middlecot (now Bowdoin) st., 1800; called "a new street  
from Bowdoin sq. to Middlecot st." in 1801; part running west to  
Middlecot st. considered a part of Somerset pl. as early as 1821;  
Somerset pl. named Allston st., Dec. 19, 1842; Bulfinch st. erroneously  
called Middlecot st. on Hale's plan of Bowdoin sq., 1819; confirmed as  
a public street, Sept. 15, 1834.
- \***Bullard street**, Dor., from Bowdoin av. to Bowdoin st.; part from Bow-  
doin av. to Union av. (now Rosseter st.), and formerly called Maple  
Grove av. laid out as Bullard st., March 21, 1888; part from Bow-  
doin av. (now Rosseter st.) to Bowdoin st., and formerly called Union  
av., named Bullard st., March 1, 1889.
- \***Bullock street**, So. B.; (proposed street) from the proposed extension of  
B st. to the proposed extension of E st., on the so-called Common-  
wealth flats.
- Bull's corner**, B., 1708; cor. of Summer st. and Sea (now Federal) st.,  
then so called.
- Bumstead court**, B., 1825; from Boylston st., north, between Washington  
st. and Head pl.
- Bumstead lane**, Rox., 1863; from Huntington av. to Tremont st.; for-  
merly from Ward st. to and across Tremont st.; laid out from Tre-  
mont st. to Huntington av. with name of St. Alphonsus st., Dec. 20,  
1893.

- Bumstead place**, B., 1807-1868; from Common (now Tremont) st., east, then north to Bromfield's lane; now closed except the portion leading into Bromfield st., which is now unnamed.
- Bunker Hill court**, Chsn., 1842; from Bunker Hill st., south-west, near Mead st.
- Bunker Hill terrace**, Chsn., 1893; from Tufts st., near Bunker Hill st.; authority to open given by Street Commissioners, June 9, 1893.
- \***Bunker Hill street**, Chsn., 1714; from Chelsea st., north-west, over Bunker Hill to Main st., at junction with Medford st.; early called "road over Bunker's Hill," and "road to brick kilns;" from road to Moulton's point (at present junction Bunker Hill st. and Moulton st.), north-west, over Bunker Hill to Market (now Main) st., 1714; staked out by Eben Breed's land to the brick kilns, Aug. 7, 1809; laid out from the Neck to Salem turnpike 60 feet wide, March, 1825; south-east end of Morton (also called Moulton) st., from Bunker Hill st. to Salem turnpike, named Bunker Hill st., being a continuation of the same, Dec. 15, 1834; extended from Tufts st. to Vine st., July 10, 1854.
- Bur lane**, B.; see Beer lane and Bridges lane (now Parmenter st.).
- \***Burbank street**, B., 1894; from Buckingham st., south-east, and then north-east; formerly called Buckingham pl.; laid out as Burbank st., Oct. 20, 1894.
- \***Burgess street**, Dor., 1888; from Dudley st. to Clifton st.; formerly called Taylor st.; laid out as Burgess st., July 12, 1888.
- Burgoyne street**, Dor.; from Beaumont st. to Elm road.
- \***Burke street**, Rox., 1860; from Tremont st. to Berlin st. (now Columbus av.), between Benton st. and Coventry st.; shown as an unnamed street in 1849; laid out, May 18, 1891.
- Burke's court**, E. B.; from Everett st., north-east, near Cottage st.; sometimes called Burke court.
- Burley street**, W. Rox., 1884; from Metropolitan av. to Dale st.
- Burlington avenue**, B., 1872; from Brookline av., south of Butler st., to Brookline Branch R.R.; by directories, from 1876, from Brookline av. to Beacon st., but part from railroad to Beacon st. called Munson st. in 1875 and 1884.
- Burlington street**, B., 1864; name given without authority to part of Dedham (now Dartmouth) st., west from Tremont st.; order given to remove signs bearing this name, Aug. 30, 1864.
- Burlington street**, B., 1874; from Beacon st. to Mountfort st.; now included in proposed Audubon road.
- \***Burnett street**, W. Rox., 1890; from Washington st., north-west, near and south of Keyes st.; called Baily st., 1887-90; laid out as Burnett st., March 29, 1890.
- \***Burney street**, Rox., 1871; from Tremont st., south, across end of Delle av.; laid out, May 6, 1892.
- \***Burnham street**, So. B., 1883; from Lowland (now Mercer) st., between Vale st. and Newman st., north-east, to East Ninth st.; laid out, July 13, 1883.
- \***Burr street**, W. Rox., 1877; from Boylston st. to Spring Park av.; called B st. in 1868; laid out with name of Burr st., April 25, 1877.
- Burrill place**, So. B., 1870; from I st., west, between E. Sixth st. and E. Seventh st.
- Burroughs place**, B., 1848; from Hollis st., north, between Hollis pl. and Washington st.
- \***Burroughs street**, W. Rox., 1825; from Centre st. to Pond st.; named from Centre st. near Joshua Seaver's, to Pond st., May 9, 1825; probably a public highway some time previous.

- Burt avenue**, Dor., 1885; from Washington st., nearly opposite Rockwell st., east, to Ashmont st.; part beginning a short distance east from Washington st., and running toward Ashmont st., previously called, in part, Tolman lane.
- Burton avenue**, Rox., 1876; from Copeland st., near Waverly st., southeast; called Copeland court in 1873.
- Burton street**, Bri., 1891; from Washington st. to the proposed extension of Newton st.; authority to open given by Street Commissioners, Oct. 22, 1891.
- Bury lane**, B.; from Leverett st., north-east, to the water north-west of Cart lane (now Minot st.); another name for Berry lane (now Barton st.).
- Bury lane**, } B., 1732; from Long lane (now Federal st.) to Atkinson  
**Bury street**, } (now Congress) st.; shown but not named in 1722; called  
 Bury st., 1732; named Barracks lane by Selectmen, 1788, but name  
 not used; called Berry st., 1803; name changed to Channing st., July  
 14, 1845.
- Burying-place lane**, Dor., 1806; from Norfolk st. along east side of Catholic cemetery; widened, May 12, 1806; called also Cemetery lane or st.; probably included in Bernard st.
- Bush street**, B., 1873; from E. Canton st., north-east, between Thorn st. and Andrews st.; named, April 1, 1873.
- \***Bushnell street**, Dor.; from Dorchester av. to Beale st.; laid out from Ashmont st. to Rowena st., Aug. 29, 1889; extended from Rowena st. to Beale st., June 21, 1890; extension from Ashmont st. to Dorchester av. laid out, Aug. 10, 1893.
- Bussey place**, B., 1842; from Arch st., west, midway between Franklin st. and Summer st. † called Summer pl. for short time previously.
- \***Bussey street**, W. Rox., 1832; from South st. to Walter st. along the south west side of the Arnold Arboretum.
- Butler avenue**, E.B., 1875; from Ashley av. at Beachmont av., south-west to flats across Saratoga st., parallel with the railroad.
- Butler place**, B., 1886; from Prince st., south-west, near Lafayette av.
- Butler row**, B.; Chatham row so called previous to 1848.
- \***Butler square**, B., 1836; from Butler's row to Chatham st.; construction authorized by filling up dock and wharves to form a street from Butler's row to Green's wharf, June 13, 1804; called Butler sq., 1836; named as a part of Butler st., March 7, 1842; Butler st. called Butler sq. in 1848; name later confined to part running into Chatham st., the remainder being called Butler's row.
- \***Butler street**, B., 1842; a street leading from State st., north, then east, then north again to Chatham st.; so named, March 7, 1842; part parallel with State st. formerly known as Butler's row and part running into Chatham st. called Butler sq., 1836; whole street called Butler's sq., 1848, and later in part Butler's row and in part Butler sq.
- Butler street**, B., 1874; from Brookline av., between Burlington av. and Depot st., north-west, to Brookline Branch R.R.
- †**Butler street**, Dor., 1874; from Richmond st. to Riverview av. (now Medway st.); laid out from Adams st. to Richmond st., May 9, 1874; part from Adams st. to Riverview av. first shown in 1881.
- Butler's corner**, B., 1708; cor. King (now State) st. and Merchant's row, then so called.
- \***Butler's row**, 1789; from State st., north, then east to Chatham row; from Merchant's row, east, to Spear's wharf originally; so shown on Carleton's map of 1800, and so described in list of 1817; soon after the laying out of Chatham st., in 1825, parallel with and slightly north of said row, the part near Merchant's row was probably built over and there

was an exit instead at that end south into State st., such exit being shown on Carleton's map as an unnamed passageway; Butler's row ordered to be discontinued, Feb. 25, 1828, and again, April 23, 1832, on condition that a way 20 feet wide parallel with State st. and along the north side of the buildings fronting southerly on State st. be kept open, and on condition also that a way 18 feet wide from said 20-foot way north to Chatham st. be conveyed to City for a street; by this order the old Butler's row was practically moved south a little distance, the south side of the old street being near the north side of the new 20 foot one; the 18-foot way to Chatham st. above mentioned was opened in 1804 as a passageway from the old Butler's row to Green's wharf (vote authorizing above dated June 13); this new 20-foot street, having an opening at the end near Merchants row, south, into State st. as above noted, and another at the other end (the 18 foot st.), north, into Chatham st., named Butler st., the whole length, from State st. to Chatham st., March 7, 1842, the part running into Chatham st. having been previously called Butler sq. in 1836-42; whole street called Butler sq. on map 1848; later the name Butler sq. restricted to part running into Chatham st. and part from State st., north, then east, including a passageway to Chatham row, called Butler's row.

\***Buttolph street**, B., 1733; from Cambridge st., south, to May (now Myrtle) st. between South Russell st. and Garden st., 1800; confirmed as a public street, Sept. 15, 1834; name changed to Irving st., April 25, 1855; called also Botolph and Butolf st.

**Buttonwood court**, Dor., 1871; from Buttonwood st., east.

\***Buttonwood street**, Dor., 1864; from Locust st. to Crescent av.; laid out from Mt. Vernon st. to Grafton st. (formerly Garden st.), March 27, 1882; laid out from Mt. Vernon st. to Locust st., Aug. 14, 1891; authority to open from Grafton st. to Crescent av. given by Street Commissioners, May 20, 1892; laid out from Grafton st. to Crescent av., Dec. 23, 1893.

**Buttrick place**, B., 1847; from North Margin st., east.

**Byrnes place**, E. B.; from Havre st., north-west, between Maverick st. and Decatur st.; called Conologue court in 1882 and 1885; not shown on late atlas.

**Byron court**, W. Rox., 1848; from School st., south, between Erie pl. and Ellsworth pl.

**Byron street**, B., 1830; from River st. to Brimmer st. between Beacon st. and Chestnut st.; shown as B st. in 1828; "from River st. to the water, 1830;" proviso in chapter 58, Acts of 1844, that City shall have the right to extend same to the channel over wharf to be built by Boston and Roxbury Mill Corporation; order for City to release such right, passed, Sept. 27, 1847.

†**Byron street**, E. B., 1838; from Coleridge st., north, then west to Chelsea st., near the bridge; laid out from Saratoga st. to Coleridge st., July 24, 1889; laid out from Saratoga st. to Pope st. Dec. 1, 1891.

**C street**, B., 1828; from River st. to Brimmer st., between Mt. Vernon st. and Chestnut st.; from A (now River) st., west, 280 feet, nearly to the water, 1828; called Lime st., 1845.

\***C street**, So. B., 1804; from end of Baxter st. at O. C. (now N. Y., N. H. & H.) R. R. to low-water mark (with proposed extension to Eastern av., now Congress st.); projected "from the boundary line to the sea," Oct. 4, 1804; laid out and named, Feb. 27, 1805; laid out from old line between Boston and Dorchester to low-water mark, Nov. 17, 1863.

**C street**, Dor., 1892; from Bakersfield st. to Stoughton st.; authority to open from F (now Bakersfield) st. to Stoughton st. given by Street Commissioners, May 4, 1892; now Mayfield st.



- C street**, W. Rox., 1868; from Boylston st., south-west, to Spring Park av. between Burr (formerly B) st. and Nelson st.; laid out under the name of Clive st., July 17, 1888.
- Cabot place**, Rox.; from Cabot st. to Warwick st.; shown in 1860, but not named.
- Cabot street**, B., 1828; from Pleasant st. to West Castle (now Castle) st.; included wholly or in part in extension of Tremont st., 1832.
- \***Cabot street**, Rox., 1841; from Tremont st., near junction with Hammond st., to Linden park, now Linden-Park st., near Roxbury st.; part from present junction with Ruggles st., south, to Worcester turnpike (later Washington, now Roxbury st.) including small portion of present Linden park named as a part of Ruggles st., May 9, 1825; part from Ruggles st., north, to Tremont st. not constructed till later; acceptance of Cabot st. (probably this part) recommended by Selectmen, March 8, 1841; shown in 1843 as extending from Tremont st. to Washington (now Roxbury) st., but part from present Ruggles st., south, commonly called a part of Ruggles st. till much later; street from Tremont st. to Washington st. by Linden park, part of what has been called Cabot st. and part Ruggles st., named Cabot st., Aug. 9, 1858 (no record of the change of portion now called Linden park to that name).
- Calder place**, W. Rox.; from Chestnut av., near cor. of Green st., north-west.
- Calder street**, W. Rox., 1872; from Blue Hill av. to Canterbury st., opposite Franklin Park.
- \***Caldwell street**, Chsn., 1887; from Main st. to Perkins st. parallel with and near Somerville line; same street called Columbia court in 1866, but usually known as Columbia st.; private street called Columbia st. laid out as a public way and named Caldwell st., June 7, 1887.
- Caledonia street**, Rox.; from Massachusetts av. to Huntington av.; laid out from Falmouth st. to Huntington av. as Norway st., Dec. 22, 1891; laid as Norway st. between Massachusetts av. and Falmouth st., Sept. 14, 1894.
- \***Call street**, W. Rox., 1877; from Gordon st. at Jamaica Plain station, B. & P. (now N.Y., N.H. & H.) R.R. to Hall st.; laid out as a new street from said station near Gordon st. to Starr st. (*i.e.*, present cor. of Call st. and Everett st.), March 10, 1873; no record of any name given, but commonly called Union av. and Starr st.; "street from Gordon st. to Keyes st. part of which has been called Starr st. and part Union av.," named Call st., Dec. 4, 1877; Call st. laid out from Keyes st. to Hall st., May 7, 1891.
- \***Call street**, Chsn., 1842; from Park st., near junction of Henley st. and Warren st., to Chelsea st.; mentioned as town dock, July 31, 1822; shown as town way from Warren (now Park) st. to Chelsea st. on plan of burnt district, 1836; street leading by Leonard Tufts' shop to Chelsea st. named Call st., Feb. 18, 1842; laid out by metes and bounds, June 16, 1848.
- Call-street place**, Chsn.; from Call st. to Henley st.
- Calvert place**, B., 1878; from Dover st., between Harrison av. and Albany st., north, then west.
- †**Calumet street**, Rox.; from Tremont st., at its junction with Huntington av., south-west, then south-east, crossing Hillside st. and Harleston st. to Parker Hill av. near Parker st.; laid out between Tremont st. and Hillside st., Sept. 19, 1887; authority to open, from Parker Hill av. to Hillside st., given by Street Commissioners, Nov. 8, 1894.
- \***Cambria street**, Rox.; from Dalton st. to Bothnia st.; laid out, May 14, 1890.

- \***Cambridge road, 1681**; from the Main st., at the Neck, west to Cambridge (Chsn. land records); the old way to Cambridge from Charlestown, known also as Cambridge way, and road to Cambridge; shown in 1818; called Cambridge road as late as 1859; called also Cambridge st. as early as 1847; now Cambridge st.
- \***Cambridge street, B., 1708**; from Bowdoin sq. to Cambridge bridge; from Sudbury st., at present junction of Court st., west, to the water, 1708; from Sudbury st., west, to the water, then south by the water to the Common, 1733; from Sudbury st. to the water at about the present line of W. Cedar st., 1784; part from Sudbury st. to Bowdoin sq. included in Court st., 1807; laid out westerly about 450 feet near the bridge and accepted, July 28, 1828; part formerly owned by the Bridge Corporation confirmed as a public street, Sept. 15, 1834; part from junction with W. Cedar st. to stone abutment of Hancock free bridge, then lately filled in and formerly the easterly part of said bridge, deeded by Hancock Free Bridge Corporation to City, accepted as a public street and named Cambridge st., Oct. 28, 1850; extended to the bridge again, Oct. 25, 1854.
- Cambridge street, B., 1774**; Castle st., so called.
- \***Cambridge street, Chsn., 1847**; from Main st. at Sullivan sq. to Somerville line; the old way from Charlestown to Cambridge; called Cambridge road, 1681; and from an early time also Cambridge way and road to Cambridge; laid out and accepted, Dec. 28, 1857; altered from Brighton st. to Somerville line and lines established, April 25, 1859.
- \***Cambridge street, Bri., 1840**; from Washington st., nearly opposite Winship st. to Cambridge line; shown as "road to Cambridge," 1815; "road from Brighton to Cambridgeport," 1835; named (from Washington st. to Cambridgeport), June 15, 1840; called Brighton road, 1847.
- Cambridge-street avenue, B., 1857**; from Cambridge st., near N. Grove st., north, then west, by south side of County jail lot to Charles st.
- Cambridge-street place, B., 1857**; between Cambridge st. and Cambridge-st. av. and parallel with both.
- Cambridge terrace, Bri.**; from Cambridge st., between Allston Heights and Webster av., south-east, to Webster pl.; authority to open given by Street Commissioners, May 15, 1893.
- Cambridge way, Chsn.**; see Cambridge road.
- Camden place, B., 1847**; from Washington st., between Northampton st. and Walnut pl., south-east.
- \***Camden street, B., 1826**; from Washington st., opposite Camden pl., to B. & P. (now N.Y., N.H. & H.) R.R.; from Washington st. to Tremont st. called Davis st., 1810; laid out on the Neck, July 24, 1826; named Camden st., Sept. 15, 1834; accepted, Dec. 7, 1857; accepted west of Tremont st., Dec. 2, 1867; laid out from B. & P. R.R., to Falmouth st.; Oct. 7, 1878; name of part west of B. & P. R.R. to Falmouth st. changed to Gainsborough st., March 1, 1886.
- Cameron street, Rox.**; from Heath st., north.
- Campbell place, Rox.**; from Eustis st., south-west, between Hampden st. and Adams st.
- Canal Bank, Chsn.**; from Beacham st. to Dorrance st.; shown as Temple st., 1884.
- Canal bridge, B., 1809**; from foot of Leverett st. to Lechmere's point (E. Cambridge); called also Central bridge and Craigie's bridge.
- \***Canal street, B., 1807**; from Haymarket sq. to Causeway st.; laid out across the Mill pond from Union st. to Causeway st., Aug. 3, 1807; part of, near Union st., laid out as part of Haymarket sq., April 21, 1845.

- Canal street, B.**, 1834; from Fulton st. and Clinton st. over the Mill creek to Charlestown st. and Cross st. at Haymarket sq.; laid out, Oct., 1833; named Blackstone st., Sept. 22, 1834; called also Creek st. the same year previous to naming; part from Ann (now North) st., east, previously called Royall's alley.
- Canal street, Rox.**, 1858; from Swett st. at junction with E. Chester park (now Massachusetts av.), north-east; name changed to Hilton st., April 21, 1868.
- Canal street, Chsn.**, 1847; from Cambridge st., at Sullivan sq., south, to Middlesex st., then south-east to Main st. at Hancock sq., 1847; part from Middlesex st. to Hancock sq. laid out and named, Essex st., Dec. 31, 1855; laid out 60 feet wide from Richmond st. (which then terminated at a point near the present junction of Rutherford av. and Dunstable st.) to Cambridge st., Sept. 9, 1867; "the north-east line of which public street will be a continuation from Cambridge st. to Richmond st. of the south-west line of the place or way known as Canal st.;" this 60-foot street laid out on a continuation of Richmond st., Sept. 30, 1867, but name of Richmond st. appears not to have been commonly used; Canal st. as laid out Sept. 9, 1867, discontinued, Sept. 7, 1868, and laid out again by slightly altered plan, Oct. 26, 1868; name of Canal st. extended over the portion of Richmond st. between Austin st. and former termination of Canal st., June 16, 1874; both Richmond st. and Canal st. named Rutherford av., May 28, 1878.
- Cannon street, Chsn.**, 1878; from Medford st., north, nearly opposite Monument st.
- Canny place, B.**, 1883; from Webster av., north-east, between Unity st. and Washington pl.; Webster court (1857-83), now so called.
- \***Canterbury street, W. Rox.**, 1825; from Blue Hill av., opposite Abbot st. in an irregular line to Poplar st.; named from Brush Hill turnpike (now Blue Hill av.) to Poplar st., May 9, 1825; probably a public highway some time previous, and Brush Hill av. or turnpike, between Canterbury st. and Seaver st., probably laid out over a part of the old street.
- \***Canton street, B.**, 1826; laid out on the Neck from Tremont st. to Washington st., July 24, 1826; named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; reaching to Albany st. on the extension of that street to Roxbury line, April 21, 1855; accepted, Dec. 7, 1857; from Tremont st. about 170 feet west to Water Power Company's line, accepted, Dec. 21, 1859; laid out from Harrison av. to Albany st., Oct. 30, 1860; whole street accepted, Oct. 30, 1860; part west of Tremont st. called (without authority), Hawthorne st. and signs bearing that name ordered to be removed, Aug. 30, 1864; laid out from Tremont st. to Warren av., May 21, 1867; from Washington st. to Albany st. named E. Canton st. and from Washington st. to Warren av. named W. Canton st., April 21, 1868.
- Canton-street court, B.**, 1840; from W. Canton (formerly Canton) st., north, between Washington st. and Shawmut av.
- Canton-street place, B.**, 1844; from W. Canton (formerly Canton) st., south, between Washington st. and Shawmut av., nearly opposite Canton-st. court.
- Capen place, B.**, 1846-57; from Hanover st., south, between Elm st. and Union st.; closed.
- Capen street, Dor.**; from Ashland st. to Preston st.; shown in 1870.
- †**Capen street, Dor.**, 1871; from Norfolk st. to Fairmount st.; laid out from Norfolk st. to Evans st., Nov. 6, 1890.
- Cardington street, Rox.**, 1893; from Cobden st., north-east, to an unnamed passageway; authority to open given by Street Commissioners, Feb. 6, 1893.

- Carey court**, Chsn., 1893; from Maudlin st. to Water st.; called Battery lane, 1714; described as running from Maudlin st. and called Carriggs court, 1854; called Carey st., 1875.
- Carey place**, Chsn.; from High st., north-east, then south-east, between Bolton pl. and Sullivan st.; shown as an unnamed place, 1861; sometimes called Cary place.
- Carey street**, Chsn., 1875; from Maudlin st. to Water st.; Carriggs court (early called Battery lane, and now Carey court), so called in 1875.
- Carl street**, W. Rox.; from Corey st., south-west, to and beyond Park st.; laid out and extended to Mt. Vernon st. under the name of Montview st., Nov. 17, 1893; part of at an earlier date known as Walnut av.
- Carleton avenue**, } Dor.; from Harvard st. to Park st.; Carleton st. (for-  
**Carleton place**, } merly Carleton av.), so called, 1874; now Kilton st.
- Carleton street**, B., 1868; adjoining and parallel with the B. & P. (now N.Y., N.H. & H.) R.R., from Yarmouth st. to West Chester park (now Massachusetts av.), except where the streets running north-west from Columbus av. to the railroad cross and intercept it; laid out from West Chester park to West Newton st., Dec. 31, 1870, but order for laying out afterwards declared defective; portion of part between Wellington st. and West Chester park, now built over.
- Carleton street**, } Dor.; from Crescent av. to Mt. Vernon st. at crossing  
**Carlton street**, } of O.C. (now N.Y., N.H. & H.) R.R.; shown as an unnamed street, 1860; laid out and name changed to Carson st., Jan. 5, 1887.
- \***Carlisle street**, Rox., 1883; from Warren st., east, between Gaston st. and Holborn (formerly Hayward) st.; private way called Roslin st. laid out as Carlisle st., Sept. 20, 1883.
- Carlisle street**, So. B., 1877; from Locust st. to Mt. Vernon st. between Von Hillern st. and Richardson av. (proposed); shown without name in 1874.
- Carlisle street**, Dor.; from Welles av. to Centre st.; shown as extending from Welles av., north, in 1874; extended about 204 feet to Centre st., 1880.
- Carlos street**, Dor.; from Lauriat av. to Chapman av.; authority to open given by Street Commissioners, Sept. 14, 1894.
- Carlton avenue**, Dor., 1860; from Harvard st. to Park st.; called Carleton av., and Carleton pl. in 1874; Carleton st., 1884; now Kilton st.
- Carlton court**, Rox.; from Vernon st., opposite Simmons st., north-east.
- Carlton place**, B., 1838; from Eliot st., south, between Warren (now Warrenton) st. and Tremont st.; called Eliot court, 1829-38; now built over.
- Carlton street**, Dor., 1884; from Harvard st. to Park st.; called Carlton av., 1860; Carleton av. and Carleton pl., 1874; now Kilton st.
- Carnes court**, B., 1767; from Ann st.
- Carnes court**, } B., from Hawkins st., south-west; called Carnes court,  
**Carnes place**, } 1820; Carnes pl., 1836.
- Carnes street**, Chsn., 1870; from Alford st., east, to Everett line; opened on old almshouse estate, April 24, 1850; laid out through portion of almshouse estate from the highway to Everett line and named Carnes st., Oct. 25, 1870.
- \***Carney place**, B., 1831; from Washington st. to Shawmut av.; laid out Oct. 1, 1870; name changed to Waterford st., Nov. 8, 1871.
- †**Carolina avenue**, W. Rox., 1849; from South st. crossing Call st. to B. & P. (now N.Y., N.H. & H.) R.R. opposite Williams st.; from South st. to Roanoke av. over what are now Carolina av. and Newbern st.; part from junction with Newbern st. to Starr (now Call) st. called

- Child st., 1850; part of Newbern st. so called, 1861; altered, extended and constructed from South st. to B. & P. R.R., including Child st., March 10, 1873.
- \***Carpenter street**, So. B.; from Preble st. to Hyde st.; formerly called Ceylon st.; laid out, Nov. 28, 1887.
- Carriggs court**, Chsn., 1854-83; from Maudlin st. to Water st.; called Battery lane, 1714; called Carey st., 1875; called Carey court, 1885.
- Carriggs court**, Chsn., 1883; from Ice court, north-east; shown in 1884 as extending from Water st., north-west, between Carey court and Wapping st. in position of court called Ice court.
- Carroll place**, 1834; from Salem st., west, between Baldwin pl. and Cooper st.
- Carroll's court**, Ch's'n; from Beacham st., near cor. of Arlington av., north-west.
- \***Carruth street**, Dor., 1869; from Ashmont st. to Codman st.; laid out, Aug. 12, 1869.
- \***Carson street**, Dor., 1887; from Crescent av. to Mt. Vernon st. at crossing of O.C. (now N.Y., N.H. & H.) R.R.; called Carleton or Carlton st., 1860; laid out as Carson st., Jan. 5, 1887.
- Cart lane**, B., 1733; from Leverett st., east; called Minot st., 1825.
- Carter place**, B., 1874; from Charter st., north-east, between Jackson av. and Foster st.; called Dillaway pl., 1840; Carter pl., 1874.
- Carter street**, Dor., 1869; from Neponset turnpike (now av.), west, crossing Train st.; called Boutwell av., 1858, and shown as extending to Train st.; called Boutwell st., 1874; laid out from Neponset av. to Train st., and named Boutwell st., May 31, 1882.
- Carter street**, Ch's'n; from Cambridge st., near Somerville line, and nearly opposite Parker st., southerly, to Roland st.; shown in 1874.
- Carver place**, B., 1855; from Carver st., east, south of and near Eliot st.
- \***Carver street**, B., 1803; from Boylston st. to Pleasant st.; part from Eliot st. to Pleasant st. called Haskins st., 1803-14; whole street from Pleasant st., north, to the burial-ground (Boylston st.), 1817; confirmed as a public street, Sept. 15, 1834.
- Cary place**, Chsn.; from High st., north-east, then south-east, between Bolton pl. and Sullivan st.; shown as unnamed place, 1861; sometimes called Carey pl.
- \***Cary street**, Rox., 1875; from Ruggles st. at junction with Culvert st. to Tremont pl. (now Terry st.); laid out, Dec. 20, 1875; discontinued, Jan. 4, 1895.
- Cary street**, W. Rox., 1866; from Forest Hills av. to Union terrace.
- \***Cass street**, W. Rox., 1849; from Centre st. to Spring st. near Spring-st. station; called "Granite (formerly Cass) st.;" Granite st. laid out and name changed to Cass st., Dec. 10, 1883.
- Caspar street**, Dor.; from Weld st. to Lasell st.; authority to open given by Street Commissioners, April 20, 1894.
- Castle court**, E.B.; from Everett st., north-east, between Lamson st. and Doherty court.
- \***Castle street**, B., 1722; from Washington st. to Tremont st.; from Orange (now Washington) st., east, to the harbor, and west to Cambridge bay, formed the part, from Charles river to Front st. (now Harrison av.), "which goes through the dock," built in the manner of a timber wharf covered with gravel and railed at both sides, in 1817; parts on corresponding sides of Orange st. seem to have been called also East and West Castle sts. from an early date; West Castle st. (from Washington st. to Tremont st.) named Castle st., June 23, 1874; East Castle st. named Motte st., June 23, 1874.

- \***Castle square**, B., 1894; open space at the junction of Chandler st. with Ferdinand st. and Tremont st.; named Castle sq., June 8, 1894.
- Castleton street**, W. Rox., 1895; from Jamaica way to point 100 feet south-east of Catalpa st.; authority to open given by Street Commissioners, Jan. 5, 1895.
- Catalpa street**, W. Rox., 1895; from Perkins st., north, crossing Castleton st.; authority to open given by Street Commissioners, Jan. 5, 1895.
- \***Catawba street**, Rox., 1854; from Laurel st. to Sherman st.; laid out, Sept. 7, 1871.
- \***Catharine street**, W. Rox., 1893; from Bourne st. to Florence st.; formerly called Spruce st.; laid out, Dec. 28, 1893.
- Cathedral court**, Rox.; from Washington st., south-east, then south-west to and beyond Cathedral st., 1884.
- Cathedral street**, Rox.; from Fenwick st., north-west, to Cathedral court, 1884.
- \***Causeway street**, B., 1807; from Leverett st. to Charles-River bridge at Prince st.; from Leverett st. to the causeway, shown, 1722; called Mill alley, 1733; Mill st., 1788; part near Leverett st. also at times called Walder st.; called Causeway st. and laid out into the Mill pond, 1807; extended to the foot of Charlestown st., 1819; the portion near Leverett st. called Merrimac st. by Hale's plan, 1819; accepted, Dec. 11, 1826.
- \***Cazenove place**, } B., 1871; from Chandler st. to Columbus av.; leading  
 \***Cazenove street**, } from Chandler st. towards B. & A. R.R., named Caze-  
 nové pl., Sept. 12, 1871; laid out, Oct. 15, 1874; extended to Columbus  
 av., Sept. 23, 1878; named Cazenove st., March 1, 1882.
- Cedar avenue**, Dor., 1836; from Bowdoin st. to Union av. (now Olney st., formerly Love lane av.).
- Cedar avenue**, W. Rox., 1870; from Lamartine st. to Oakdale st.; shown from Lamartine st. to Nebraska st. (now Chestnut av.) but not named in 1848; part from Lamartine st. to Oak pl. (now Oakdale st.) shown in 1870; part from Chestnut av. to Lamartine st. laid out with name of Bell st., Oct. 23, 1888.
- Cedar lane**, B., 1826; from Chestnut st., north, near Charles st.; from Chestnut st. to Mt. Vernon st., 1830; called Chestnut pl., 1839; Chestnut av., 1863.
- Cedar park**, Rox.; from Cedar st., near cor. of Highland st., south-west, to meet Highland Park st.
- \***Cedar place**, Dor.; from junction Monadnock st. and Bird st., westerly, 1884.
- Cedar place**, Dor., 1869; from Quincy st. to Lawrence av.; called also Cedar st.; now called Mascoma st.
- Cedar square**, Rox.; the enclosure between Cedar st., Thornton st., an unnamed st. and Juniper st.; formerly the name was applied to a private way of irregular shape and as new streets were extended through it, the name was applied to the enclosure.
- Cedar square**, Rox.; formerly a private way running north-east from Cedar st. by two branches, one either side of the square, so called, the westerly of which extended past the square with a branch to the east along the north side of the square; the easterly branch from Cedar st. extended northward with an opening into Shawmut av. (now Washington st.) and another opening into Guild st.; shown but not named, 1835-44; part of same included in extension of Thornton st. to Guild st., Dec. 10, 1881, and part in Juniper st., same date.
- Cedar-square avenue**, Rox., 1870; from Shawmut av. (now Washington st.) westerly, about 150 feet, then southerly towards Cedar square and parallel with Shawmut av. (now Washington st.); part parallel with Washington st. now part of Juniper st.

- Cedar street, B. ; see South Cedar st. and West Cedar st.
- \*Cedar street, Rox., 1835; from Washington st. to Pyncheon st. (now Columbus av.) ; from Dedham turnpike (now Washington st.) to Centre st., 1835; road from Centre st., opposite Cedar st., to Lowell st. (afterward Pyncheon st. now Columbus av.) accepted and named Cedar st., Sept. 13, 1844; from Highland st. to Centre st. accepted conditionally, Sept. 3, 1855; same part accepted, June 28, 1858; from Shawmut av. (now Washington st.) to Highland st. accepted conditionally, Sept. 27, 1858; whole street accepted, July 30, 1860; formerly extended across the B. & P. (now N.Y., N.H. & H.) R.R., to Terrace st., but was not a public way and is now discontinued.
- Cedar street, Rox.; from Francis (formerly Longwood) st. to Elm st. (now Longwood av.) ; Bellevue st., so called, 1850-57.
- Cedar street, Dor. : from Quincy st. to Lawrence av. ; Cedar pl. sometimes so called; now Mascoma st.
- †Cedar street, Dor., 1853; from River st., north-west, to unnamed st.; accepted, June 15, 1853.
- Cedar street, W. Rox., 1872; from Washington st., near cor. of Beech st., to Bellevue av.
- \*Cedar street, Chsn., 1862; from High st. to Bartlett st.; shown as an unnamed street in 1839; accepted, Oct. 20, 1862; laid out and widened, June 29, 1863; continued and laid out between Laurel st. and Bartlett st., March 29, 1870.
- Cedar street, Bri., 1840; from Cambridge st. to Brookline, crossing Avenue (now Beacon) st.; named, June 15, 1840; name changed to South Harvard st., Nov. 10, 1846; called Harvard av., Dec. 30, 1873.
- Cedar-street court, } B., 1831, from South Cedar (now Winchester) st.,  
Cedar-street place, } east; called Cedar-st. court, 1831; Cedar-st. pl.,  
1840; South Cedar-st. pl., 1857.
- Cemetery lane or street, Dor. ; from Norfolk st., north, along the east side of the Catholic cemetery; shown as an unnamed lane, 1838; called Cemetery st., 1872; at one time connected with Warner av., and later a part probably made a part of Bernard st.; also called Burying-place lane.
- Center street, } B., 1773; from Hanover st. to North st.; from Ann (now  
Centre street, } North) st., north-west, called Ball's alley and Penaway's  
alley previous to 1708; Paddy's alley, 1708; Center st., 1773; named  
by Selectmen from Ann st., north of the bridge, into Middle (now Han-  
over) st., 1788; called North Centre st., but no record of naming.
- Central avenue, Rox., 1855; from junction of Blue Hill av. and Warren st., east; sometimes called Centre av.; now built over.
- \*Central avenue, Dor., 1875; from River st. to Neponset River; laid out to meet street of like name in Milton, Nov. 13, 1875.
- Central avenue, W. Rox., 1872; from Washington st., near Cedar st., north-west; laid out as Cornell st., Aug. 7, 1890.
- Central bridge, B., 1809; Craigie's bridge, sometimes so called.
- Central court, B., 1805; from Washington st., east, near Summer st.; from Newbury (now Washington) st., east, then south, then west to Newbury st., 1816; the southerly entrance from Newbury st. was called Deming's, Demming's, or D'Emming court, 1806-16; Avon pl., 1824; built over.
- Central court, Bri. ; at junction of Market st. ; given as one of the bounds of Lincoln st. in order for acceptance of that street, June 13, 1873.
- Central place, B., 1842; from Winter st. to Music Hall; name changed to Music Hall pl., Feb. 25, 1874.
- Central place, Chsn.; from Main st., near Devens st., south-west.

- \***Central square**, E.B., 1833; at junction of Border st., Meridian st., Saratoga st., Bennington st., Porter st., Meridian st. and Liverpool st.; accepted, laid out according to metes and bounds in deed from East Boston Company to City of Boston and named, Nov. 10, 1851; part accepted, July 12, 1852.
- Central square**, Rox., 1860; open space lying between the P. O., Guild's buildings, Soren's block and land formerly of Amos Stevens; so named, Dec. 31, 1860.
- \***Central street**, B., 179-; from Kilby st. to Atlantic av.; existed as a 40-foot passageway from Kilby st. down what was then known as Central wharf nearly to the present Broad st., 179-; extended by Broad st., east, across Broad st. to India st., 1806; confirmed as a public street, Sept. 15, 1834; opened by Central Wharf and Wet Dock Corporation along south side of State-st. block, 18-; accepted conditionally, for a distance of 458 feet, east, from street running between Custom House and State-st. block, April 13, 1858; part from India st. to west end of State-st. block accepted conditionally, June 1, 1858; extended to Atlantic av., Aug. 16, 1876.
- Central street**, W. Rox.; from Centre st. to Central station of N.Y., N.H. & H. R.R., 1884.
- Central street**, Bri.; Centre (now Lincoln) st.; so called in 1851 and 1872.
- Central wharf**, B.; from India st., easterly, across Atlantic av.; from the east side of Atlantic av. there are two entrances to the wharf proper, the northern one being in continuation of Central st.
- Centre avenue**, Rox.; from junction of Blue Hill av. and Warren st.; Central av., sometimes so called; now built over.
- \***Centre avenue**, Dor., 1869; from Dorchester av. to Centre st.; laid out, Aug. 12, 1869.
- Centre court**, Dor.; from Centre st., near Adams st., north.
- Centre place**, So. B.; from Preble st., nearly opposite Ward st., south, to Hyde st., 1884.
- Centre place**, Rox., 1867; from Centre st., near Gardner st., north-west.
- Centre place**, Dor.; from Centre st., north, near junction with Remington st.
- Centre place**, W. Rox.; from Centre st., near Green st., south-east, to Warren sq.
- Centre street**, B., 1800; from Cambridge st., crossing May (now Myrtle) st. to the rope-walks; extended to Pinckney st., 1833; name changed to Anderson st., May 21, 1861; also called West Centre st.
- Centre street**, E.B., 1864; from Orleans st. to Marginal st.; accepted conditionally, Jan. 25, 1864; name changed to Haynes st., April 21, 1868.
- Centre street**, So. B., from Dorchester st. to Preble st.; name changed to Ward st., Aug. 7, 1855.
- \***Centre street**, Rox. and W. Rox., 1825; from Eliot sq. to Dedham line; that part of this street lying in Roxbury, and to South st. in West Roxbury, laid out, Jan. 19, 1662; called the Middle-post road from Boston to Hartford; altered from Colonel Draper's through Dedham to Dover line, May, 1795; called "Old road to Dedham," 1823; "Road from the parting stone by J. Riley's store, by Rev. Mr. Gray's meeting-house, by Captain Winchester's to Rev. Mr. Flag's meeting-house, and on to Dedham line;" named Centre st., May 9, 1825; called Boston road, 1833; name of part in West Roxbury changed to Austin st., May 3, 1852; name of Austin st. changed to original name of Centre st., Dec. 2, 1861.



- \***Centre street**, Dor., 1837; from Washington st., opposite Norfolk st., to Adams st.; mistake in location (road from Plymouth road to Lower road) rectified, April, 1804; named from Upper road (now Washington st.) to Lower road (now Adams st.), March 11, 1840.
- Centre street**, Bri., 1846; from Cambridge st. to Everett st.; called Central st., 1851 and 1872; now Lincoln st.
- Centry Field**, B., the Common for a long time so called; called also Training field.
- Centry or Sentry hill**, B., 1708; Beacon hill, then so called; also Century or Centuary Hill.
- Centry street**, } B., 1708; the highway leading north from Beacon st., between  
**Centrey street**, } tween Captain Alford's land and Madam Shrimpton's pasture to Centry hill (to the head of the former Temple st.) laid open and named Centrey st., May, 1708; an order for continuance to lie open was passed, April 25, 1709; called Century st. in list, 1732; from Common (now Tremont) st. to Beacon hill, 1784; from Granary on Common st. to almshouse on Beacon st., 1800; the part north-west from Beacon st. called Sumner (now Mt. Vernon) st., 1800; the part from Common st. to Beacon st. named Park st., 1803; a part of Sudbury st. and a part of Court st. once so called; also spelled Sentry.
- Centurie-hill street**, B.; a part of Queen (now Court) st. was once so called.
- Century street**, B.; Centry st., so called in list of 1732.
- Cerwithy's corner**, 1708; cor. Prince st. and Salem st. was then so called.
- Ceylon street**, So. B.; from Preble st. to Hyde st.; from Preble st., south, 1874; laid out and name changed to Carpenter st., Nov. 28, 1887.
- \***Ceylon street**, Dor., 1873; from Quincy st. to Bird st.; laid out, Nov. 22, 1873.
- Chadwick court**, Rox.; from Chadwick st., near Orchard park, south-east.
- Chadwick place**, Rox., 1872; from Chadwick st., north-west.
- \***Chadwick street**, Rox., 1868; from Hampden st. to Hartopp pl. (now Ambrose st.) at junction with Trask pl. (now Orchard-park st.); name of Eaton st. from Hampden (formerly East) st. to Yeoman st. changed to Chadwick st., April 21, 1868; laid out through Trask pl. from Yeoman st. to Orchard Park, May 24, 1870; extended to Hartopp pl. (now Ambrose st.), Dec. 31, 1870.
- Chambers street**, Chsn., 1780; from City sq. to Water st.; laid out 30 feet wide from Russell's and Odin's land to New Fore (now Water) st., 1780; laid out by a committee by order of Town after the fire, Dec. 23, 1835.
- \***Chambers street**, } B., from Cambridge st. to Charles st.; the third of  
**Chamber street**, } three streets leading from Cambridge st. to Green st. so called in 1732; from Cambridge st., northerly, by the marsh to Mr. Allen's house so named by Selectmen, July 4, 1788; from Cambridge st. to Green st., 1800; extended over Wiltshire st. to Poplar st., Sept. 18, 1811; portion formerly called Wiltshire st. together with Gravel st. (from Poplar st. to Leverett st.) accepted and named Chambers st., May 26, 1828; part formerly Gravel st. named Ashland st., Feb. 22, 1845, but the name Ashland st. has been commonly applied only to the part running at right angles to Leverett st.; extended to Spring st., through Spring-st. pl., Jan. 6, 1872; extended from Spring st. to Brighton st., June 7, 1893; name of Livingston st. from Brighton st. to Charles st., changed to Chambers st., March 1, 1894.
- Chambers-street court**, B., 1828; from Chambers st., west, near Cambridge st.
- Chamberlain street**, Dor.; from Algonquin st., north, to Harvard st., nearly opposite Harvard av.; authority to open given by Street Commissioners, March 24, 1893.

**Chamblet street**, Dor.; from Hartford st. to Magnolia st.; formerly called Robert av.; authority to open, from Magnolia st. to Hartford st. given by Street Commissioners, Nov. 17, 1892.

**Champney court**, } B., 1834; from Anderson st., near Revere st., west.  
**Champney place**, }

**Champney court**, So. B.; from Champney st., south-west, to N.Y., N.H. & H. R.R.

**Champney place**, Rox.; from Madison st., south-west, then south-east, parallel with Madison st., nearly to Washington st.

**Champney street**, So. B., 1859; from Lowland (formerly Highland, now Mercer) st., north-west, to O.C. (now N.Y., N.H. & H.) R.R., then north-east to Newham st.; shown on plan, 1860.

\***Chandler street**, B., 1866; from Tremont st. to Columbus av.; called Avenue H on plan Back Bay lands; H st. from Tremont st. to Berkeley st. conditionally accepted, Nov. 24, 1865; accepted and name changed to Chandler st., April 28, 1866; laid out from Berkeley st. to Columbus av., Nov. 3, 1869.

**Change alley**, } B.; from State st. to Market (now Faneuil Hall) sq.;  
**Change avenue**, } called Pierce's alley, 1708; Change alley, 1788; Fitch's alley, 1796; Flagg alley, 1828; named Change av., March 22, 1841.

**Channel street**, Dor.; from Walnut st., south-east, to Neponset River (Neponset).

**Channing place**, B., 1852; from Leather sq. (formerly Sister st.), east.

\***Channing street**, B., 1845; from Federal st. to Congress st.; called Bury st., from Long lane to Atkinson st., 1708; Barrack lane, 1788; Berry st., 1803; named Channing st., July 14, 1845.

**Chapel place** (North), B., 1844; from Friend st., north, near Travers st.

**Chapel place**, B., 1859; from Albany st., west, near Harvard st.

**Chapel place**, B., 1837; from Washington st. to Marlboro' chapel; Gillam or Gilman pl., 1809; Chapel pl., 1837; closed.

**Chapel place**, B.; from Friend st., between Travers st. and Market st., north-east.

\***Chapel street**, Rox.; from Milford pl. (now Sarsfield st.) to Weston st.; laid out, July 16, 1885; included in the extension of Columbus av., Jan. 4, 1895; as mall portion not included in Columbus av. discontinued on same date.

**Chapel street**, Rox. and W. Rox., 1867; from Boylston st. to Wyman st., between Curtis st. (now Chestnut av.) and Lamartine st.; shown as an unnamed street, 1856; name changed to Curtis st., June 22, 1878; named Danforth st., Sept. 12, 1881.

**Chapin avenue**, W. Rox., 1869; from La Grange st., north-east.

**Chapman avenue**, Dor.; from Blue Hill av., north-east, to Tucker st.; parallel with Lauriat av.

\***Chapman place**, B., 1841; from School st. to Bosworth st.; called Cook's court, 1733; Chapman pl., 1841; reported to have been a public highway for many years, Dec. 24, 1846; extended to Montgomery pl. (now Bosworth st.), Dec. 22, 1882.

**Chapman place**, Chsn.; from Chapman st. between Rutherford av. and Washington st., south-east; shown but not named in 1846.

\***Chapman street**, B., 1852; from Washington st. to Tremont st.; laid out, including Killam pl., Jan. 3, 1852; named, May 24, 1852; extended from Tremont st. to Chandler st., Aug. 20, 1860; same portion discontinued (except the part taken by the extension of Appleton st.), Sept. 16, 1872; name of part between Tremont st. and Washington st. changed to Compton st., March 1, 1895.

- \***Chapman street**, Chsn., 1846; from Main st. to Washington st. at junction with Austin st.; shown but not named, 1844; shown from Washington st. to Richmond st., May 2, 1846; laid out from Main st. to Lawrence st., Jan. 2, 1851; laid out and accepted from Lawrence st. to Austin st., Dec. 18, 1854; widened over lands and flats of Commonwealth, June 29, 1863.
- Chardon court**, B., 1874; from Chardon st., south-east; called Chardon-st. pl., 1811; Grant pl., 1866; Chardon court, 1874.
- Chardon court**, } B.; from Chardon st., north; called Chardon pl., 1840;  
**Chardon place**, } Chardon court, 1842; Chardon-st. court, 1849; closed.
- \***Chardon street**, B., 1821; from Bowdoin sq. to Merrimac st. at junction with Portland st.; from Bowdoin sq. to the present Hawkins st. was a part of Hawkins st. in 1743; called Chardon's lane in 1795 and probably in 1784; Chardon st. in 1821; made part of Ivers st. (which then extended from Bowdoin sq. to Merrimac st.), Dec. 30, 1859; whole street renamed Chardon st., May 21, 1860.
- Chardon-street court**, B., 1849; from Chardon st., north; called Chardon pl., 1840; Chardon court, 1842; Chardon-st. court, 1849; closed.
- Chardon-street place**. B.; from Chardon st., north-west.
- Chardon-street place**, B., 1841; from Chardon st., south-east; Grant pl., 1866; Chardon court, 1874.
- Chardon's lane**, B., 1795; from bottom of Hawkins st., southerly, to Lyman's (*i.e.*, cor. Cambridge st.), part of Hawkins st. prior to 1795; called Chardon's lane in 1795 and probably as early as 1784; called Chardon st. (from Hawkins st. to Bowdoin sq.), 1821.
- Charlesbank**, B., 1889; the name of the park between Craigie's bridge and W. Boston bridge from Charles st., west, to Charles River; named, Aug. 9, 1889; previously called Charles-River Embankment.
- Charles place**, So. B.; from Foundry st., near Swan st., south-east; closed; in territory taken by O.C. R R. by authority of Acts of Legislature of 1893.
- Charles place**, Chsn.: from Charles st., south-east; shown but not named in 1844; also called Charles-st. pl.
- Charlesgate**, B.; the name of the parkway south-west of Massachusetts av., extending from Charles River to Back Bay Fens.
- Charlesgate-east**, B., 1887; name of the street extending from Charles River to B. & A. R.R. along the easterly side of the Charlesgate; named, Dec. 30, 1887; at one time it was proposed to name this street Ipswich st.
- Charlesgate-west**, B., 1887; name of the street extending from Charles River to B. & A. R.R. along the westerly side of the Charlesgate; named, Dec. 30, 1887; at one time it was proposed to name this street Jersey st.
- Charles-River avenue**, Chsn.; from City sq. to Charles-River bridge; shown but not named, 1841.
- Charles-River bridge**, B. and Chsn., 1785; from foot of Prince st. to Charles-River av., 1839; called also Charlestown bridge; this was the first bridge built in Boston.
- Charles-River Embankment**, B.; former name of the park between Craigie's bridge and West Boston bridge from Charles st., west, to Charles River; now called Charlesbank.
- \***Charles street**, B., 1805; from Boylston st. opposite Park sq. to Leverett st.; permission to form and complete 100 feet of new street from Pleasant st. to Beacon st. parallel with the rope-walks granted, July 6, 1803; laid out from Beacon st. to Cambridge bridge, 1805; from Boylston st. to Cambridge st., 1809; in 1817 said street extended from

the west end of Beacon st. to West Boston bridge; accepted as a public street, Sept. 15, 1834; from Livingston st., south-west, 1841; extended from jail land to Allen st., July 31, 1855; North Charles st. extended from Allen st. to bend in street north of Poplar st., June 12, 1857; extended from Livingston st. to Leverett st., Nov. 5, 1858; the street extending from Cambridge st. to Leverett st., laid out in 1855 and 1857 in parts as "Charles st. extended" and "North Charles st."; named Charles st., Feb. 13, 1866.

**Charles street**, Rox.; from Bumstead lane (now St. Alphonsus st.) to B. & P. (now N.Y., N.H. & H.) R.R.; name changed to Ward st., April 21, 1868.

\***Charles street**, Dor., 1874; from Dorchester av. to Geneva av. extended; laid out from Dorchester av. to Ditson st., Aug. 3, 1874; extended to Geneva av., Aug. 27, 1884. -

**Charles street**, W. Rox.; from Spring st. near Dedham line, south-east, then south.

**Charles street**, W. Rox., 1872; from Poplar st., nearly opposite Dale st. to Kittredge st.; included in the laying out of Cornell st. from Poplar st. to Washington st., June 24, 1892.

\***Charles street**, Chsn., 1850; from Main st. to Bunker Hill st.; name of School-house st. changed to Charles st., Sept. 30, 1850.

**Charles-street place**, Chsn., 1843; from Charles st., south; also called Charles pl.

**Charlestown bridge**, B. and Chsn., 1785; from foot of Prince st. to Charles-River av.; called also Charles-River bridge.

**Charlestown ferry**, B. and Chsn.; upon nearly the same site as the bridge until 1786. (The date of the bridge was 1785.)

**Charlestown square**, Chsn., 1803; in front of City Hall; name changed to City sq., Jan. 17, 1848.

\***Charlestown street**, B., 1806; from Haymarket sq. to Causeway st.; laid out from Charles-River bridge across Mill-pond and to Middle (now Hanover) st., May 26, 1806; street accepted, Dec. 11, 1826; said to have extended from Haymarket sq. to Causeway st. in 1840; part of included in Haymarket sq., April 21, 1845.

\***Charter street**, B., 1708; from Hanover st., north-west, to Commercial st.; from North (now Hanover) st. running by the north side of Copp's hill burying-ground towards Charlestown ferry, 1708; to the ferry-way, 1732; to Lynn (now Commercial) st., 1803.

\***Chatham row**, B., 1829; from State st. to Chatham st.; laid out, May 9, 1827; called Portland st., 1842; named Chatham row, March 18, 1829; at some time called Butler row; renamed Chatham row, July 3, 1848.

\***Chatham street**, B., 1827; from Merchant's row to Commercial st.; part of called Butler's row, 1789; laid out from Merchant's row to Commercial st., March, 1825; named, Jan. 15, 1827.

\***Chaucer street**, E.B., 1838; from Pope st. to Moore st.; accepted, Dec. 10, 1861.

**Chauncey place**, B., 1809; in front of First church, Summer st., 1809; street laid out from Summer st. to Bedford st., through Chauncey pl. and Bedford pl., Jan. 3, 1856; same named Chauncey st., Jan. 5, 1856.

**Chauncy place**, W. Rox., 1857; from Washington st. opposite Boylston st., south-east.

**Chauncy place**, Chsn.; from Decatur st. to Moulton st.; shown but not named, 1850; shown from Decatur st. to Fremont pl., 1892.

\***Chauncey street**, B., 1856; from Summer st. to Essex st.; continuous highway laid out from Summer st., through Chauncey pl. and Bedford pl., to Bedford st., Jan. 3, 1856; same named Chauncey st., Jan. 5, 1856; extended through Rowe st. to Essex st., April 15, 1856.

- Cheapside, B.**, 1816; from Tremont st. to Brattle alley; laid out and so named, March 5, 1816; street from Court st. to the market named Market st., June 11, 1817; sometimes called New Cornhill from Court st. to Washington st.; named Cornhill, May 6, 1829.
- Checkley's entry, B.**, 1732; cor. Ann st. and Scottow's alley; then so called.
- Cheever court, E.B.**; from Sumner st. near Webster av., south-west.
- Cheever's corner, B.**, 1800; cor. Cambridge st. and Staniford st., then so called.
- Chelsea avenue, E.B.** (Breed's Island); from Saratoga st., at junction with Ford st., to Eastern division of B. & M. R.R.
- Chelsea bridge**; from Chelsea st., Charlestown, to Broadway, Chelsea.
- Chelsea court, E.B.**; from Chelsea st. between Porter st. and Marion st., north-west.
- Chelsea ferry, B.**, from foot of Hanover st. to Chelsea; called also Winnisimmet ferry.
- Chelsea Free bridge**; formerly from East Boston to Chelsea; at an early date belonged to "Proprietors of Chelsea Point bridge"; so much as lay in Boston laid out, July 1, 1851.
- Chelsea place, E.B.**; from Chelsea st. between Porter st. and Decatur st., north-west.
- \***Chelsea place, Chsn.**, 1860; from Chelsea st. to Water st.; formerly a private way; portion from Water st. about half-way to Chelsea st., laid out, May 22, 1860; remainder laid out, Nov. 25, 1867; name changed to Hudson st., Feb. 6, 1871.
- \***Chelsea street, B.**, 1826; from Shawmut av. to Tremont st.; laid out west of Tremont st., July 24, 1826; named from Tremont st. to Suffolk st. (now Shawmut av.), Sept. 15, 1834; name changed to Upton st., April 2, 1857.
- \***Chelsea street, E.B.**, 1833; from Maverick sq. to Chelsea bridge; from Maverick st. to Decatur st., laid out and accepted, May 6, 1850; from Decatur st. to Chelsea Free bridge, one-half the width, accepted, May 27, 1850; so much as was not accepted in 1850, laid out as a public highway, Nov. 29, 1852; from Decatur st. to Chelsea Free bridge, whole width accepted, June 3, 1856; accepted at junction Bennington st., and at junction Princeton st., Nov. 1, 1858; at junction Saratoga st., Sept. 13, 1859.
- \***Chelsea street, Chsn.**, 1833; from City sq. to Chelsea bridge; known as Salem turnpike, 1818; laid out as a new street, near site of the fire, to take the place of Gill st. (Gill st. discontinued) from south-east cor. of the square to Joiner st., Dec. 7, 1835; laid out by County Commissioners, March 1, 1836; to be laid out, etc., by Town before May 1, 1837; laid out as a public highway from junction with Mt. Vernon st. to Vine st., Sept. 7, 1863.
- Chelsea-street bridge**; from Chelsea st., E.B., to Marginal st., Chelsea.
- Chemical avenue, W. Rox.**, 1870; from Washington st., between Boylston st. and Green st. to Brookside av.; shown in 1843-49, from Dedham turnpike (now Washington st.) to Laboratory, but not named; shown on plan in 1870 as "avenue," and in accompanying deed called "Brookside or Chemical av.;" laid out as a public street and name changed to Cornwall street, June 24, 1886.
- \***Cheney street, Rox.**, 1882; from Blue Hill av. to Elm Hill av.; private way called Mt. Seaver av. laid out from Elm Hill av. to Montana st., as Cheney st., June 26, 1882; extended to Blue Hill av., April 11, 1883.
- Cherry court, Rox.**; from Cherry st., south-east; shown, but not named, 1884.

**Cherry place**, Rox. ; from Tremont st., north-east, between Phillips st. and Faxon st. ; now Sherbrooke pl.

\***Cherry street**, B., 1837 ; from Washington st., near Chapman st., to Shawmut av. ; laid out, Dec. 16, 1870.

\***Cherry street**, Rox., 1853 ; from Quincy st., north-east, crossing Dove st. ; laid out, Sept. 29, 1874 ; name of Cherry st. changed to Dacia st., Mar. 1, 1892.

\***Cheshire street**, W. Rox., 1881 ; from Green st., north-east, near Lamartine st. ; private way, called Walnut pl., laid out as Cheshire st., May 2, 1881.

**Chessman place**, B., 1842 ; from Hanover st., north-west, near Parmenter (formerly Richmond) st.

**Chester avenue**, B. ; see East and West Chester av.

\***Chester park**, B., 1858 ; from Washington st. to Albany st. ; from South Bay to Boston Water Power Company's land named Chester park, June 22, 1858 ; part east of Harrison av. named East Chester park, Nov. 16, 1858 ; from Shawmut av. to Tremont st. named Chester sq., Dec. 29, 1858 ; from Tremont st., west, to Boston Water Power Company's land called West Chester park and so accepted, Dec. 21, 1859 ; from Washington st. to Shawmut av. named Chester sq., March 3, 1864 ; from Washington st. to Albany st. named East Chester park, April 27, 1869 ; East Chester park named East Chester av., July 13, 1869, and East Chester av. named Chester park, April 5, 1870 ; name of East Chester park, Chester park, Chester sq., and West Chester park changed to Massachusetts av., March 1, 1894.

**Chester place**, B., 1860 ; from Shawmut av., near Chester sq., east, then south to Northampton st.

\***Chester square**, B., 1857 ; from Washington st. to Tremont st. ; the part of Chester st. called Chester sq. accepted, Dec. 29, 1857 ; Chester st. named Chester park, June 22, 1858 ; "so much of the street now known in the records of the City as Chester park between Shawmut av. and Tremont st." named Chester sq., Dec. 29, 1858 ; part of Chester park from Washington st. to Shawmut av. named Chester sq., March 3, 1864 ; Chester sq. included in W. Chester av., July 3, 1869 ; part of W. Chester av. from Tremont st. to Shawmut av. named Chester sq., Oct. 5, 1869 ; part of W. Chester av. from Washington st. to Shawmut av. named Chester sq., April 5, 1870 ; name of E. Chester park, Chester park, Chester sq., and W. Chester park changed to Massachusetts av., March 1, 1894.

\***Chester street**, B., 1826 ; from Washington st., west, 1826 ; named, Sept. 15, 1834 ; extended from south-east side of Harrison av. to creek formerly the boundary line between Boston and Roxbury, with mall through same, April 11, 1853 ; part of Chester st. incorrectly named Chester sq. in 1857 ; Chester st. accepted, Dec. 7, 1857 ; name of Chester st. from South Bay to Boston Water Power Company's land changed to Chester park, June 22, 1858 ; name of E. Chester park, Chester park, Chester sq., and W. Chester park changed to Massachusetts av., March 1, 1894.

**Chester street**, Dor. ; from Oakland st., near N.Y. & N.E. R.R., north-east, to near Blue Hill av.

\***Chester street**, Bri., 1841 ; from Brighton av. (formerly N. Beacon st.) to Ashford st. ; accepted conditionally, Dec. 30, 1873 ; accepted, Sept. 16, 1876.

**Chesterfield street**, Rox. ; from Massachusetts av. to Allerton st.

**Chestnut avenue**, B., 1863 ; from Chestnut st., near Charles st., to Mt. Vernon st. ; called Cedar lane, 1826 ; Chestnut pl., 1839 ; Chestnut av., 1863 ; laid out as Malcom st., Dec. 16, 1891.

- \***Chestnut avenue**, W. Rox., 1877; from Green st. to Centre st.; part from Green st. to Boylston st. called Nebraska st., 1848; Chestnut st., 1857; part from Boylston st. to Wyman st. called Curtis st., 1852; both laid out as one street, and named Chestnut av., Dec. 26, 1877; Gilbert st., from Wyman st. to Centre st., made part of Chestnut av., Feb. 6, 1886.
- Chestnut court**, Chsn.; from Chestnut st., near Chelsea st., north-west.
- Chestnut grove**, W. Rox.; from Centre st., opposite Pond st., south-east.
- Chestnut knoll**, Bri.; from Englewood av.
- Chestnut park**, Bri, 1870; private way, shown on a plan Middlesex So. Reg. Lib. 1134, f. 641, but not named.
- Chestnut place**, B., 1839; from Chestnut st., near Charles st., to Mt. Vernon st.; called Cedar lane, 1826; Chestnut pl., 1839; Chestnut av., 1863.
- Chestnut place**, So. B., 1871; from B st., between W. Fifth st. and W. Sixth st., to N.Y. & N.E. R.R.; named, June 20, 1871.
- Chestnut place**, W. Rox., 1870; from Chestnut av., near Spring Park av., north-west.
- Chestnut square**, W. Rox.; from Chestnut av., nearly opposite Chestnut pl., south-east, then north-east.
- †**Chestnut street**, B., 1800; from Walnut st., parallel with Beacon st., across Brimmer st., nearly to Charles River; from Walnut st., west, to the water, 1800; extended to Charles st., Dec. 2, 1822; accepted, Dec. 31, 1827; extended toward Charles River, bounding west on a passageway, March 11, 1833; part west of Charles st. accepted conditionally, Aug. 7, 1855; from Charles st. to Messinger (now Brimmer) st. accepted, Aug. 25, 1857; recommendation for acceptance to seawall when street should be extended and graded by abutters and offered to the City, March 4, 1867.
- \***Chestnut street**, Rox., 1833; from Elm av. (now Mt. Pleasant av.), near junction of Dudley st. and Dearborn st., to same at a point near Blue Hill av.; accepted, May 11, 1840; name changed to Forest st., April 20, 1868.
- Chestnut street**, Dor.; from Eben I. Andrews to Dorchester turnpike, probably near Cottage st., and through land of Andrews; named, March 11, 1840; discontinued, March 14, 1853.
- \***Chestnut street**, W. Rox., 1860; from Perkins st., north, to Brookline line; laid out over part of Chestnut st. and Pond lane from Perkins st. to Washington, later Tremont st., and now Huntington av., Nov. 20, 1867; street laid out from point in Perkins st., near gate-house of Jamaica Pond Aqueduct, and running northerly to boundary line between W. Roxbury and Brookline, at point where Chestnut st. in Brookline meets the boundary, following nearly the same path or private way then existing, and same named Chestnut st., Nov. 20, 1867; shown as Pond av., 1874.
- Chestnut street**, W. Rox., 1852; from Green st. to Boylston st.; shown as Nebraska st., 1843-49; no record of change of name; laid out by Selectmen as Chestnut st. (that evidently being its established name) and accepted by the Town, July 25, 1868; together with Curtis st., named Chestnut av., Dec. 26, 1877.
- \***Chestnut street**, Chsn. 1845; from Monument sq. to Chelsea st.; part from Monument sq., south-east, shown but not named, 1839; laid out from Adams st. to Lexington st. (Monument sq.), May 5, 1845; name of Townsend st. (from Adams st. to Chelsea st.) changed to Chestnut st., June 20, 1846.

- \***Chestnut Hill avenue**, Bri., 1872; from Washington st., opposite Market st., to Brookline line; shown as "road" in 1843; named Rockland st. from near Parish house, south, to South st. and continued to Brookline line, 1840; name changed to Chestnut Hill av., Dec. 27, 1872.
- Chestnut Hill driveway**, Bri.; from Commonwealth av., around the Chestnut Hill reservoir, to Beacon st.
- \***Chickatawbut street**, Dor.; from Neponset av. to Glide st.; from Neponset turnpike to Baptist meeting-house located, May 2, 1853; extended from the church to Plain st., March 2, 1868; extended again, March 1, 1869.
- Chickering place**, B., 1855; from Washington st. opposite Avery st. to Harrison av.; from Washington st., east, called Sweetser's alley, 1798; Sweetser's court, 1809; Chickering pl., 1855; part included in extension of Harrison av., July 6, 1881.
- \***Child street**, W. Rox.; from South st. to Call st.; the eastern end of Carolina av., from Newbern st. to Starr (now Call) st., called Child st., 1850, and part of Child st., from Lee st. to Starr st., called Jamaica st.; latter street called Child st., 1860; Carolina av. extended to railroad over street formerly Child st., previous to 1873; Child st. laid out from Call st. to Lee st., Dec. 12, 1881; laid out from Lee st. to South st., June 22, 1892.
- Chilson place**, B., 1844; from Lyman st., north; included in extension of Staniford st., May 11, 1886.
- Chip street**, Chsn.; from Moulton st. to Medford st.; laid out and accepted and name changed to Corey st., May 23, 1853.
- Chipman street**, Dor., 1870; from Norfolk st., opposite the cemetery, to Torrey st.
- Chiswick road**, Bri.; from Chestnut Hill av. to Englewood av.
- Choate street**, B., 1846-53; from Pleasant st., near the Common; supposed to be what is now called Providence st.
- Christian court**, B., 1848; from Canal st., near Market st., south-west; now built over.
- Church avenue**, So. B.; from W. Broadway, near E st., to Silver st.
- Church court**, Chsn; from Warren st., at Thompson sq., north-east.
- Church green**, B.; vacant space at intersection of Bedford st. and Summer st.; early so called and sold to religious society in 1715.
- Church place**, B., 1844; from Church st., east, next south of Madison pl.; called Moore pl., 1840; Church pl., 1844; now closed.
- Church place**, Rox., 1868; from Cabot st., nearly opposite Culvert st., south-east.
- Church place**, Dor.; from Washington st., near Centre st., east.
- Church square**, B., 1708; from Cornhill (now Washington st.), nearly opposite King (now State) st., round the old meeting-house, or old brick church, 1708-1800; called Cornhill sq., 1817; Cornhill court, 1834; now a part of Court av.
- \***Church street**, B., 1835; from Tremont st. to Columbus av., and from Providence st. to Boylston st.; from Fayette st., north, across the B. & P. (now N.Y., N.H. & H.) R.R., with proposed extension to meet proposed extension of Boylston st., in 1835; extended north to Boylston st., 1846; accepted May 24, 1852; extended from Fayette st., south, to Tremont st., through Lincoln court, June 24, 1852; portion adjoining estate of B. & P. R.R. Corporation from Providence st. to proposed extension of Columbus av. discontinued, Nov. 10, 1871.



- \***Church street**, Dor., 1840; from Adams st. at Eaton sq. to High st.; from Captain Eaton's by Dr. Thaxter's and Mr. Colyer's so named, March 11, 1840; from Bowdoin st. to Winter st., the rest of the street being called Highland st., 1874; part west of Adams st. named Bowdoin st., March 1, 1882; laid out from Winter st. to High st., Oct. 16, 1891.
- \***Church street**, W. Rox., 1830; from Centre st., opposite South st., to Brookline line.
- Church street**, Bri., 1863; from Washington st. to Mt. Vernon st.; called also Cochran lane; called Worcester st. in 1875; laid out with name of Eastburn st., June 11, 1886.
- Churchill place**, Dor., from Washington st. at Lower Mills, nearly opposite Richmond st., south-west.
- Circuit place**, Rox.; from Circuit st., south-west; Fenwick st. laid out through it to Hulbert st., Jan. 14, 1884.
- Circuit square**, Rox.; from Circuit st., near corner of Regent st., south-west.
- \***Circuit street**, Rox., 1845; from Walnut av. westerly to Regent st., thence northerly to Washington st.; first shown running from Dedham turnpike (now Washington st.) to Warren st.; extended to Walnut st. (now av.) previous to 1858; laid out between Walnut av. and Shawmut av. (now Washington st.), July 1, 1871; Walnut av. afterwards opened through a part of Circuit st.
- City court**, B., 1822; from Fish (now North) st., west; called Mechanic st., 1825.
- \***City Hall avenue**, B., 1861; from School st. to Court sq.; east side of City Hall; named, Dec. 31, 1861.
- City Point court**, So. B.; from E. First st., near O st., south.
- City Point park**, So. B.; east of Q st., between said street and the water; now called Marine Park.
- \***City square**, Chsn., 1848; at junction of Main, Park, Chelsea and Chamber sts., Charles River av., Warren av., Bow and Harvard sts.; shown but not named, 1838; formerly called Charlestown sq.; named City sq., Jan. 17, 1848.
- City wharf**, B., 1855; from Commercial st., opposite S. Market st., to the water; accepted, Aug. 6, 1855; named City wharf, Sept. 10, 1855; included in extension of S. Market st. to Atlantic av., April 2, 1872.
- Claflin place**, B., 1834; from Pleasant st., west, near London (now Kirkland) st.; a portion included in the extension of Shawmut av. in 1870; the remainder later built over.
- Claflin street**, So. B.; from B st. to E st., north-east of and parallel with Mt. Washington av.
- Clapboard street**, B., 1795; from Olive (now Mt. Vernon) st., opposite Hancock st. (now south part of Joy st.), north, about to the present Pinckney st.; Belknap (now Joy) st. extended south from May (now Myrtle) st. through Clapboard st. across Olive st. and thence through George (earlier Hancock) st. to Beacon st., 1803; named Joy st., 1851.
- Clapp place**, Dor., 1851; from Boston st., south-east.
- Clapp street**, So. B., 1866; from W. Seventh st. to W. Eighth st.; laid out as a public street with name of Loring st., Aug. 27, 1884.
- \***Clapp street**, Dor. and Rox., 1870; from Boston st., north-west, then west crossing Oak st. nearly to N.Y. & N.E. R.R.; laid out and accepted from Boston st. to East Chester park (now Massachusetts av.), Sept. 13, 1883.
- Clapp's building**, B.; Bulfinch pl., so called in 1807.
- Clap's corner**, B., 1800; cor. of Fish (now North) st. and Proctor's lane (now Richmond st.) then so called.

- \***Claremont park**, B., 1870; from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R.; part of Worcester st., from Columbus ave. to B. & P. R.R., named Claremont park, Nov. 22, 1870.
- Claremont street**, B.; from Claremont park to W. Rutland sq.; probably a part of Carleton st.
- Clarence place**, Rox., 1870; Clarence st. from George st., south-west, so called.
- Clarence place**, Dor.; from Washington st. to Whitfield st.
- \***Clarence street**, Rox., 1871; from Dudley st. to George st.; named, Jan. 2, 1873; laid out, Nov. 28, 1879.
- Clarence street**, Rox., 1873; from Bartlett st. to Marie av.
- Clarence street**, W. Rox., 1870; from Spring st. (near Dedham line) to Belle av.; portion between Spring st. and Hamilton st. laid out with name of Gould st., Sept. 28, 1888.
- Clarendon avenue**, W. Rox., 1869; from junction of Roslin av. and Kittredge st., southerly and westerly, crossing Metropolitan av.; at its intersection with Poplar st. the two join for a distance and again separate; called also Clarendon st., 1887; Clarendon av. extended only to Poplar st., the part from Poplar st. to Metropolitan av. bearing no distinct name, while the part formerly extending westerly from Metropolitan av. is carried through to Dale st. and called Burley st.; street between Poplar st. and Metropolitan av. laid out as Maynard st., Oct. 17, 1887; portion of Clarendon av. between Augustus av. and Kittredge st. laid out as Whitford st., Oct. 23, 1888.
- Clarendon avenue**, W. Rox.; from Metropolitan av., south-west, opposite Maynard st.
- Clarendon avenue**, W. Rox.; from Beech st. to Hauteville st.; called also Clarendon st.
- Clarendon park**, W. Rox., 1870; from Poplar st., south-west, to Metropolitan av., crossing Clarendon av.
- Clarendon place**, B., 1868; from Berkeley st. to Clarendon st.; laid out and name changed to Gray st., Oct. 11, 1870.
- \***Clarendon street**, B., 1860; from Tremont st. to Columbus av., and from B. & P. (now N.Y., N.H. & H.) R.R. to Beacon st.; called Avenue B on plan of Back Bay lands, 1855; called Clarendon st. from Beacon st. to B. & P. R.R., 1860; from Tremont st. to Boylston st., 1863; laid out from Appleton st. to Warren av., May 21, 1867; from Warren av. to Tremont st., Oct. 16, 1867; from Appleton st. to Chandler st., April 12, 1870; from Chandler st. to Columbus av., July 19, 1870; from Beacon st. to B. & P. R.R., Nov. 6, 1870.
- Clarendon street**, W. Rox.; from junction of Roslin av. and Kittredge st., south and west, across Metropolitan av.; Clarendon av. sometimes so called.
- Clarendon street**, W. Rox., 1871; from Beech st. to Hauteville st.; called also Clarendon av.
- Clark court**, } W. Rox.; from Lamartine st., near Lamartine court, south-  
**Clark place**, } east, to the railroad.
- Clark court**, Chsn.; from Bunker Hill st., south-west, opposite burying-ground.
- Clark** }  
**Clark's** } square, B., 1708; "the Square liing on ye Southly side of the  
**Clarke's** }  
 North Meeting House including ye wayes on each side of ye watch-house" 1708; shown in 1722 as Clarke's sq.; in 1729 as Clark's sq. and was the enclosure between Moon st., Garden court, Sun court and Fleet st.; named North sq., 1788.

- Clark** }  
**Clark's** } street, B., 1788; from Hanover st. to Commercial st.; called  
**Clarkes** }
- Foster st., from Ship (now Commercial) st., to North (now Hanover) st. in list of 1732; named Clarkes st., July 4, 1788; shown as Foster's lane, 1800; called Clark st. in Edes list, 1800; called Clark st. in list, 1817; widened and laid out from Ann (now North) st., to Commercial st., May 2, 1836.
- Clark street**, Rox.; from Ruggles st., north-east, to Sudbury (now Weston) st.; opened by William Clark through his land; named Windsor st., April 21, 1868.
- Clark street**, Dor., 1872; from Bellevue st., south-west, crossing Hamilton av. (now Barrington st.); laid out from Quincy st. to Barrington st., with the name of Clarkson st., May 28, 1890.
- \***Clark's alley**, B., 1824; from Hanover st. to Ann (now North) st., south of Richmond st.; confirmed as a public way, Sept. 15, 1834; a portion near Hanover st. now built over and the remainder called Keith's alley, 1868.
- Clark's (Jonas) corner**, B., 1708; cor. of Middle (now Hanover) st. and Bennet st. then so called.
- Clark's corner**, B., 1732; cor. of Common (now Tremont) st. and School st. then so called.
- Clark's corner**, B., 1732; cor. of Cornhill (now Washington st.), and Spring lane then so called.
- Clark's corner**, B., 1732; cor. Summer st. and Bishop's alley (now Hawley st.) then so called.
- Clark's (Dr.) corner**, B., 1732; corner Fish (now North) st. and Gallop's alley (now Board alley) then so called.
- †**Clarkson street**, Dor., 1890; from Draper court to and beyond Barrington st.; called Clark st. from Bellevue (now Quincy) st., south-west, crossing Hamilton av. (now Barrington st.), 1872; laid out from Quincy st. to Barrington st., May 28, 1890.
- Clay place**, Rox.; from Clay (now Linden-park) st., opposite Simmons st., south-west.
- \***Clay street**, Rox., 1839; from Tremont st., south-east, to Simmons st.; accepted, Dec. 10, 1861; shown in 1884 as extending past Simmons st. to Stony brook sewer; name of Clay st. from Tremont st. to Simmons st. changed to Linden-park st., March 1, 1885.
- Clay street**, Dor.; from Neponset av. to Commercial st., at Pope's Hill station; laid out and named Pope's Hill st., Dec. 8, 1882.
- Clayton place**, Rox., 1850; from Magazine st., south-east.
- Clayton place**, Dor.: from Clayton st., south-easterly, toward railroad.
- †**Clayton street**, Dor., 1870; from Park st. to Greenwich st. at its junction with Commercial (now Freeport) st.; laid out from Greenwich st. to Dickens st., May 19, 1882.
- Clearview street**, Dor., 1894; from Blue Hill av., opposite Fessenden st., to Back st. nearly parallel with Walk Hill st.; authority to open from Blue Hill av. near Walk Hill st. given by Street Commissioners, Dec. 28, 1894; abandoned; Ponemah st. is in about the same location as a part of this street.
- Clement avenue**, W. Rox.; from end of Farrington st., west, parallel with West Roxbury Branch of B. & P. (now N.Y., N.H. & H.) R.R. to Park st.; authority to open, from Park st. to Flora st., given by Street Commissioners, Nov. 17, 1893.
- Clement street**, Dor.; from Gorham st. to Nixon st., near Centre st.

- \***Cleveland place**, B., 1846; from Snowhill st. to Margaret st.; called Margaret alley, 1814; Margaret av., 1837; Cleveland pl., 1846.
- Cleveland avenue**, Bri.; near North Beacon st., south-east; also called Cleveland pl.
- Cleveland place**, Bri.; near North Beacon st., south-west; also called Cleveland av.
- \***Cleveland street**, Rox., 1854; from Winthrop st. to Moreland st., opposite Greenville st.; laid out, June 24, 1875.
- Cleveland street**, E.B.; from Putnam st., north-east, to parkway leading to Wood Island Park; authority to open given by Street Commissioners, April 21, 1893.
- Cliff place**, Rox.; from Cliff st., south-east, nearly opposite Glenwood st.
- \***Cliff street**, Rox., 1844; from Warren st., near Circuit st., to Washington st.; shown as an unnamed 30-foot passageway in 1840; shown as Cliff st., 1843-49; from Warren st. to Dedham turnpike (now Washington st.) subsequently called Cottage st., 1857-63; name changed from Cottage st. to Cliff st., April 21, 1868; laid out to Shawmut av. (now Washington st.), Dec. 16, 1870.
- Clifford place**, B., 1854; from Fleet st., north-east.
- \***Clifford street**, Rox., 1845; from Warren st., opposite Dale st., to Blue Hill av.; laid out, March 8, 1872.
- Clifford street**, W. Rox.; from Canterbury st. to Grew av., near B. & P. (now N.Y., N.H. & H.) R.R., and parallel with railroad for part of the way.
- Clifton avenue**, B., 1840; from Suffolk st. (now Shawmut av.) to Middlesex st.; closed.
- Clifton park**, Rox.; from Clifton st., between Shirley st. and Hudson st., south-east, connecting with Brook pl.; also called Clifton park.
- Clifton place**, B., from Washington st., north-west, nearly opposite Newcomb st.
- \***Clifton street**, Dor., 1862; from Dudley st. to Shirley st., opposite George st.; laid out from Cottage (now E. Cottage)st. to Hudson st., Aug. 12, 1869; extended from Hudson st. to Shirley st., at George st., Sept. 1, 1875; from Cottage st. to Dudley st. in part through private way called Taylor av., June 15, 1883.
- Clifton street**, W. Rox., 1852; from Norfolk st. to Kittredge st. (formerly Roslin av.), crossing Albano st.
- Clinton court**, Chsn., 1870; from Cambridge st., west of B. & M. R.R., north; also called Clinton pl.
- Clinton place**, Chsn., 1870; from Cambridge st., west of B. & M. R.R., north; also called Clinton court.
- \***Clinton street**, B., 1824; from Merchant's row to Atlantic av.; from Merchant's row, east, 1824; laid out (as a new street) from Merchant's row to Commercial st., parallel with N. Market st., March 10, 1828; same named, April 8, 1829; having become obstructed near Commercial st., "continued to Commercial st. and laid out" again, Oct. 10, 1831; laid out again, extended to (Mercantile st.) and discontinued in part, July 7, 1854; to Mercantile st., 1856; extended to Atlantic av., Oct. 8, 1875.
- Clinton street**, Dor.; from Waterlow st. to Faxon st.; a part of what was formerly called Waterlow st.
- \***Clive street**, W. Rox., 1888; from Boylston st. to Spring Park av.; called C st. in 1868; laid out, July 17, 1888.

- Clough street**, B., 1733; from Frog lane (now Boylston st.) to Hollis st., 1733; later to Dr. Byle's at corner of present Common st. to Orange (now Washington) st., through Walker lane or st. (now Common st.), 1743; from Orange st. to Dr. Byle's house at present cor. of Tremont st. and Common st., 1750, from Dr. Byle's to Frog lane being called Holyoke st.; from Orange st. to Frog lane, including Clough and Holyoke sts., named Nassau st., July 4, 1788; same included in Common st., 1824; Common st. named Tremont st., 1829; part of Tremont st., from Miss Byle's to Washington st., named Common st. again, 1836.
- Clough street**, B., 1756; Unity st., from Charter st. to Love lane (now Tileston st.), so called.
- \***Clyde street**, E.B., 1869; from Marginal st., south-west, to Cunard S.S. wharf; laid out, Aug. 17, 1869; named, Sept. 14, 1869.
- \***Cobb street**, B., 1870; from Washington st., near Castle st., to Shawmut av.; laid out, Dec. 16, 1870.
- Cobb street**, B., 1840; from Washington st. to Harrison av.; name changed to Florence st., 1842.
- \***Cobden street**, Rox., 1871; from Walnut av., near Westminster av., to Washington st.; laid out, Sept. 23, 1871.
- Coburn court**, B., 1867; from Phillips st., south, near Anderson st.
- Coburn place**, B., 1875; from Reed st., near Northampton st., north-west.
- Cochran lane**, Bri., 1863; from Washington st., south-west; Church st. so called.
- Codman avenue**, Rox., 1871; from Washington st. to Amory st.; laid out as a public street, with name of Dimock st., Oct. 20, 1884.
- †**Codman park**, Rox., 1870; from Townsend st., south, to Codman pl., and west from about middle point in T form to Washington st.; from Shawmut av. (now Washington st.), between Townsend st. and Cobden st. named, June 8, 1870; portion from Townsend st. laid out, July 16, 1877.
- Codman place**, Rox.; from Washington st., near Cobden st., south-east, to Codman park.
- \***Codman street**, Dor., 1859; from Adams st. to Morton st.; from Adams st. to Washington st. located, March 28, 1859.
- Coffee court**, } Dor.; from Washington st., near School st., west.  
**Coffee place**, }
- Coffey street**, Dor.; from Newhall st. to Neponset av., between Newhall av. and Ashmont st.
- Coffin's field**, B., 1775; between Essex st., Summer st. Short st. and South st.
- Coggin street**, Chsn., 1837; from Bunker Hill st. to Mystic River; later called Linden st.; now part of Baldwin st.
- †**Cohasset street**, W. Rox., 1889; from Corinth st. to Dudley av.; formerly called Salem st., between Corinth st. (formerly Basto pl.) and Albano st.; laid out between Corinth st. and Albano st., Oct. 30, 1889.
- Cold lane**, } B., 1708; from Hanover st., north-west, to the Mill-pond;  
**Cole lane**, } called Cole lane on Carlton's map, 1800; also in order for filling in Mill-pond, 1807; included in Portland st. about 1809.
- Coleburn's lane**, } B.; Avery st., so called at one time, probably between  
**Colburne's lane**, } 1709 and 1732.
- \***Coleman street**, Dor., 1872; from Bellevue (now Quincy) st., near Bowdoin st. to Hamilton st. (or av., now Barrington st.); laid out, April 18, 1881.

- †**Coleridge street**, E.B., 1838; from Rice st. to Swift st.; from Rice st. across Short st. to the water, with proposed extension to Baltic st. in 1838; laid out from Wordsworth st. to Short st., Aug. 6, 1889.
- Cole's place**, B., 1839; from Pleasant st. to Church st.; Hamlen pl., 1844; now closed.
- Collamore place**, B., 1857; from Salem st. near Parmenter st., south-east, then north-east.
- College court**, B., 1849; from Fruit st.; probably included in N. Grove st. in 1855.
- Collins street**, Dor., 1872; from Blue Hill av., opposite Mattapan station, north-west.
- Collins street**, E.B. (Breed's Island); from Bayswater st. to Riverside av., parallel with Saratoga st.
- Colonnade row**, B., 1811; a uniform range of 24 brick buildings, each with row of freestone columns, upon Common (now Tremont) st., south of West st.; called Fayette pl., 1824.
- Colonial avenue**, Dor.; from Talbot av. to New England av.
- Colonial road**, Bri.; from Commonwealth av. to Chestnut Hill av.
- Colony place**, Rox.; from Albany st., near Hunneman st., to Fellows st.
- \***Colony street**, So. B., 1849; from Swan st., near Dorchester av., to Foundry st.; accepted conditionally, Oct. 29, 1849; laid out between Sixth (now Foundry) st. and Swan st., Oct. 12, 1869; closed; taken by O.C. R.R. Co. by authority of the Acts of Legislature of 1893.
- Colson's lane**, B., 1746; "near the great trees at the south end."
- \***Colton street**, So. B., 1888; from W. First st. to W. Second st.; Green alley between W. First st. and W. Second st. laid out, Dec. 31, 1888.
- Columbia court**, Chsn., 1666; Columbia st. so called.
- Columbia court**, Chsn., 1880; from rear 662 Main st., 1880-87.
- Columbia place**, Dor., 1846; from Columbia st., near Geneva av., to Vaughan av.; closed.
- Columbia place**, Dor.; from Columbia st. near Quincy st., north-west.
- \***Columbia street**, B., 1809; from Bedford st. to Essex st.; confirmed as a public street, Sept. 15, 1834.
- \***Columbia street**, Rox. and Dor., 1840; from Hancock st. at Upham's cor. to Blue Hill av.; named from Payson's shop by Wales' to Brush hill, March 11, 1840.
- Columbia street**, Chsn.; from Main st. to Perkins st.; shown but not named, 1858; called Columbia court, 1866; laid out as a public street, and named Caldwell st., June 7, 1887.
- Columbia terrace**, Dor.; from Columbia st. at junction with Richfield st., south-east.
- \***Columbus avenue**, B. and Rox., 1860; from Park sq. to Walnut av., opposite Franklin park; in 1860 projected from Park sq. to Roxbury line, over land of Boston Water Power Co.; laid out from Church st. to Ferdinand st., Oct. 9, 1868; order authorizing Mayor and Aldermen to contract with Boston Water Power Co. for transfer to City of Columbus av. and streets between it and B. & P. (now N.Y., N.H. & H.) R.R., Nov. 18, 1868; laid out from Ferdinand st. to Northampton st., Oct. 16, 1869; from Church st. to Park sq., Dec. 29, 1871; from Northampton st., south-west, to near old Roxbury line, Dec. 30, 1881; extended from near old Roxbury line through Berlin st., Chapel st., Windsor st., a portion of Tremont st., Pyncheon st., a portion of Brunswick av., and through that part of Seaver st., between Washington st. and Walnut av., Jan. 4, 1895.

- Columbus place**, B., 1869; from Eliot st., near Carver st., north; named, Sept. 13, 1869.
- \***Columbus square**, B., 1876; between Warren av., and Columbus av.; part of Warren av. bounded by Pembroke st., W. Newton st. and Columbus av., named Columbus sq., April 4, 1871.
- Colwell place**, Bri.; from Chestnut Hill av., near South st., north-west; called also Colwell av.
- \***Commerce street**, B., 1853; from Commercial st. to Atlantic av.; from Commercial st., east, in 1853; accepted conditionally, Nov. 26, 1866; extended to Atlantic av., Dec. 24, 1874.
- Commercial avenue**, B., 1834; from Ann (now North) st., at head of Union wharf; continued to Commercial st., March 10, 1834; named Commercial av., April 28, 1834; discontinued, March 13, 1835.
- Commercial avenue**, Chsn., 1870; from Alford st., north-west, to Somerville line; Arlington av., so called.
- Commercial court**, B., 1836-41; from Commercial st., near Fulton st.; closed.
- Commercial court**, B., 1849; from Commercial st., between Jackson av., and Foster st., south-west; called Commercial-street av., 1839; Commercial court, 1849; called Commercial pl., 1875; Commercial court, 1883.
- Commercial place**, B., 1849; from Commercial st. to Charter st., with branch north-west to Foster st.; from Commercial st., near Henchman st., 1849.
- Commercial place**, B.; Commercial court, so called, 1875.
- Commercial point**, Dor.; from Freeport st., opposite foot of Washington st. and Union st.
- Commercial street**, B., 1817; that part of Milk st., from Battery-march st. to the water, named Commercial st., May 29, 1817; renamed Milk st., July 6, 1824.
- \***Commercial street**, B., 1828; from State st. to Prince st.; a marginal street 65 feet wide projected from N. Market st. to Lewis wharf, April 17, 1826; order for erection of bridge over Mill creek connecting Marginal st., so called, with the 65-foot street leading to Long wharf, July 28, 1828; the marginal street above described accepted and named Commercial st., Dec. 22, 1828; the 65-foot street leading from Long wharf to southerly end of Commercial st. considered continuation of same and named Commercial st., June 17, 1829; extended to Clark st., July 15, 1833; from present terminus to Hanover st., Oct. 17, 1833; Lynn st. from Prince st. to Hanover st., and part of Ann (now North) st. from Hanover st. to Commercial st., named Commercial st., Feb. 17, 1834.
- \***Commercial street**, Dor., 1810; from Hancock st. to Neponset av.; road from Quincy turnpike (now Neponset av.) to Commercial point, with bridge over Mill creek and draw, originally built by authority of the General Court in or about 1809; having become unsafe and impassable, the same were rebuilt by the Tenean Free Bridge Co., 1833, and again laid out by County Commissioners, 1844; called old Plymouth road, between Dorchester almshouse and Commercial point; same named Commercial st., March 11, 1840; name changed to Freeport st., March 1, 1892.
- Commercial-street avenue**, B., 1839; from Commercial st., opposite Ripley's wharf; called Commercial court, 1849.
- The Common**, B.; between Park st., Beacon st., Charles st., Boylston st. and Tremont st.; early called Centry field and Training field.

- \***Common street**, B., 1824; from Washington st. to Tremont st.; called Walker's lane or Walker st., 1741; a part of Clough st., 1743; a part of the Nassau st., 1788; called Common st. and considered a part of the continuous street, from cor. of Harvard st. to Washington st., 1824; the whole named Tremont st., 1829; part from Washington st. to present Tremont st. named Common st. again, 1836.
- Common street**, B., 1708; from School st. through the Common to Frogg lane (now Boylston st.), 1708; from the corner of Howard st., over Pemberton Hill, through Tremont st. and Nassau st. to Washington st., 1824; part from Washington st. to Court st. named Tremont st., and part from junction with Court st. to Howard st. named Pemberton Hill, April 22, 1829; last mentioned part named Tremont st., Nov. 4, 1844; parts of Common st. called Colonnade row, Fayette pl. and Long acre at different times.
- \***Common street**, Chsn., 1831; from Winthrop st. to Adams st. on south-west and south-east sides of Winthrop sq.; streets leading round the Training field on south-west and south-east sides named Common st., March 14, 1831.
- \***Commonwealth avenue**, B., Rox., and Bri., 1862; from Arlington st. to Newton line; laid out as Avenue Five, from Avenue I. (now Berkeley st.) to Cross-dam (now Parker st.), 120 feet wide by indenture between Commonwealth and Boston Water Power Co., dated June 9, 1854; laid out by another indenture between same, parallel with Beacon st., 200 feet wide, from Arlington st. to Punch Bowl road (now Brookline av.) with park, etc., Dec. 27, 1856; called Avenue V. on plan of Back Bay land, 1860; conditionally accepted from Arlington st. to Berkeley st., July 28, 1862, and deed satisfying condition accepted, Feb. 15, 1864; laid out from Berkeley st. to Clarendon st., Dec. 15, 1868; from Clarendon st. to Dartmouth st., May 31, 1871; from Dartmouth st. to Exeter st., May 19, 1873, from Exeter st. to West Chester park, now Massachusetts av., Nov. 4, 1875; extended to Beacon st., July 8, 1879; extended over Brighton av. to Massachusetts av., Jan. 24, 1887; extended over Massachusetts av. to Chestnut Hill av., March 1, 1887; extended from Chestnut Hill av. through grounds of Chestnut Hill reservoir and over a portion of South st. to Newton line, Jan. 5, 1895; part from Arlington st. to Charlesgate-west included in Park system, June 29, 1894.
- \***Compton street**, B., 1895; from Washington st. to Tremont st.; name of Chapman st. changed to Compton st., March 1, 1895.
- Compton street**, Dor.; from Boston st. parallel with Dorchesterway to Dorchester av.; now Roseclair st.
- Conant court**, } Rox.; from King st., north-east; called Conant court and  
**Conant place**, } Conant place.
- Conant place**, } Rox.; from Conant st., near Parker st., south-west;  
**Conant-street place**, } called Brooks pl., 1854-60; Brooks-st. pl., 1860-68;  
 no record, but name probably changed at same time Brooks st. was  
 named Conant st., 1868; called Conant pl. and Conant-st. pl.
- \***Conant street**, Rox., 1868; from Parker st. near Longwood av., to Huntington av.; shown as Brook st. from Bumstead lane (now St. Alphonse st.), south-east, 1845; named Conant st., April 21, 1868; laid out from Parker st. to land of Thos. Wigglesworth, Oct. 4, 1890; extended to Huntington av., March 22, 1883.
- Concord avenue**, B.; from Clinton st., north-east, to Arlington av. over land of Mercantile wharf corporation.
- Concord avenue**, Chsn.; from Jefferson av. to and crossing Lexington st.; shown as an unnamed street in 1839; part between Lexington st. and Monument st. at one time called Monument lane.
- Concord place**, B., 1876; from Worcester st., near Tremont st., to Concord sq.



- \***Concord square**, B., 1865; from Tremont st. to Columbus av.; part of Concord st. from Tremont st. to a point 135 feet east of Columbus av. accepted and named Concord sq., July 10, 1866; remainder to Columbus av. laid out, June 23, 1868.
- \***Concord street**, B., 1826; from Washington st., west; laid out on the Neck, July 24, 1826; from Tremont st. to Front st. (now Harrison av.) named Concord st., Sept. 15, 1834; to Albany st., 1854; accepted, Dec. 7, 1857; portion west of Tremont st., accepted, Dec. 21, 1859; street accepted, Oct. 30, 1860; part from Tremont st. to a point 135 feet east of Columbus av. named Concord sq., July 10, 1866; name of part from Washington st. to Albany st. changed to East Concord st. and from Washington st. to Tremont st. to West Concord st., April 21, 1868.
- Concord street**, Chsn., 1837: from Bunker Hill st., north-west, to Mystic River, 1837 and 1843; discontinued.
- \***Concord street**, Chsn., 1839; from Monument sq. to Bunker Hill st.; part from Tremont st. to High st. shown as an unnamed st., 1834; from Monument sq. to Bunker Hill st., 1839; laid out 50 feet wide, Dec. 21, 1844; accepted, Dec. 23, 1844; name of part from Tremont st. to High st. changed to Monument sq., Feb. 2, 1860.
- \***Condor street**, E.B., 1852; from Border st. to Glendon st.; accepted from Border st. to Knox (now Glendon) st., Oct. 4, 1852.
- Conduit**, B., 1788; in Dock sq.
- Conduit alley**, B., 1825; from Market sq. to Ann (now North) st.; built over.
- Conduit street**, B.; part of Ann (now North) st. from Conduit in Dock sq. to Cross st. originally so called.
- Coney's lane**, B.; Cross st. was so called prior to 1708.
- Confirmation place**, } Chsn.; from Rutherford av., north-east; called  
**Confirmed place**, } Confirmation pl., 1885.
- Congress court**, B., 1826; from Congress st., east, near State st.; called Post Office av., 1849.
- Congress place**, B., 1861; Congress st., east, nearly opposite Matthews st.; called Congress st. pl., 1877.
- Congress square**, B., 1821; from State st., south, then east to Congress st., and from Devonshire, east, to Congress st.; called Half-square court from King (now State) st., south, 1708; same from Maccarty's corner into Pudding lane (now Devonshire st.), 1732; same was called Court sq. and Half-court sq. in 1798; same "round the buildings back of the post-office," 1800; no mention of it in list of 1817; called Salter's court, 1808; Exchange sq. (rear of Congress st. and State st.), 1818; Congress sq., 1821, and the part from State st., west, called Story pl., 1845; but in 1810 the records appear of it as Half-square court and at that date the area leading east to Congress st. was laid out making a direct way from Devonshire st. to Congress st.; name Congress sq. again given to part from State st., south, then east to Congress st. some time prior to 1874; name Exchange pl. given in 1854 to part from Devonshire st., east, to Congress sq.; Exchange pl. "from Devonshire st. to Congress st." made part of Congress sq., Oct. 17, 1873.
- †**Congress street**, B. and So. B., 1800; from State st. to Reserved Channel, near foot of L st., So. B.; from King (now State) st. to Water st. called Leverett's lane, 1708; called Quaker lane in 1800; from Water st. to Milk st. called Dalton's row, 1769-88, and Dalton st., 1788-1800; from Milk st. to Cow lane (now High st.) including Green or Green's lane, and to Purchase st. including Gray's lane, called Atkinson st., 1732; Dalton st. and Quaker lane, from State st. to Milk st., named Congress st., 1800; name of Atkinson st., from Milk st. to Broad st. (now Atlantic av.) changed to Congress st., Aug. 4, 1854; part from

Water st. to Milk st. named Post Office sq., April 18, 1873; Eastern av. laid out from Broad st. (now Atlantic av.) to Harbor Commissioners' line, Jan. 3, 1874; extended across Fort Point Channel to C st. extended, May 14, 1879; name of Eastern av. from Atlantic av. to C st. extended changed to Congress st., March 1, 1881.

- Congress street, B. :** King st. frequently so called before the present name of State st. was settled on in 1784.
- \***Congress-street bridge, B.,** from Atlantic av., opposite Congress st., across Fort Point Channel.
- Congress-street place, B.,** 1877; from Congress st., east, nearly opposite Matthews st.; called Congress pl., 1861; Congress-st. pl., 1877.
- Congreve street, W. Rox. ;** from South st., near Dudley av.
- Connecticut lane, Rox.,** 1662; laid out Jan. 19, 1662; laid out 2 rods wide to Brookline line, Aug. 5, 1762; now Perkins st.
- Connell street, Dor. ;** from Bellevue st., near junction of Trull st., south-east.
- Connolly street, Rox. ;** from Fellows st., north-west, between E. Lenox st. and Orange court.
- Conologue court, E.B. ;** from Havre st. between Decatur st. and Maverick st., north-west; called also Byrnes pl.; not now shown.
- \***Conway street, W. Rox.,** 1885; from South st. to Fairview st.; private way called Skinner st. laid out and named Conway st., July 21, 1885.
- Cook place, B.,** 1868; from Commercial st., north of Battery st. : shown but not named, 1874 and 1884.
- Cook street, Dor. ;** from Washington st., near Harvard st., south-west.
- \***Cook street, Chsn.,** 1838; from Bunker Hill st. to Medford st.; report accepted recommending acceptance of street on certain conditions, June 20, 1838; laid out and accepted, Oct. 4, 1854.
- Cook-street court, Chsn. ;** from Cook st., near Bunker Hill st., north-west, crossing Sheafe st.; shown as an unnamed court, 1845.
- Cook-street place, Chsn. ;** from Cook st., near Medford st., to Sheafe st.
- Cook's corner, B.,** 1800; cor. Orange (now Washington) st. and Beach st. ; then so called.
- \***Cook's court, B.,** 1800; the way back of Hunt's grammar school-house in School st., 1800; confirmed as a public street, Sept. 15, 1834; called Chapman pl., 1841; reported by committee to be an old established public way, Dec. 24, 1846.
- Cook's court, Dor. ;** from Norfolk st., south-east, to Fremont pl.
- Cook's lane, W. Rox.,** 1870; from Brush Hill turnpike (now Blue Hill av.) to Walnut st. ; now Williams st.
- Cook's lane, Chsn. ;** from Bow st. to Front st. ; laid out and widened, July 2, 1866; name changed to Jenner st., Sept. 17, 1866.
- Coolledge avenue, Dor. ;** see Coolidge ave.
- Coolidge avenue, B.,** 1841; from Cambridge st., south, then west to Temple st., with opening into Bowdoin st.
- Coolidge avenue, Dor.,** 1872; from Standish st. to Warner av. and from Bernard st., south-west, to unnamed street; not shown to exist between Warner av. and Bernard st. ; first part called Coolledge av. in 1884; second part called Coolidge av.
- Coolidge place, So. B. ;** from W. Second st., near C st., to Bolton st.
- \***Coolidge street, Bri.,** 1892; from Mansfield st. to N. Harvard st. ; formerly called Coolidge road; laid out as Coolidge st., Aug. 24, 1892.

- \***Cooper street, B.**, 1807; from Salem st. to Charlestown st., opposite Beverly st.; laid out across the Mill-pond, Aug. 3, 1807; extended to Salem st., 1838.
- Cooper street, W. Rox.**, 1856; from Green st. to Stony brook; not now shown.
- Cooper street court, B.**, 1837; from Cooper st., south-east, between Endicott st. and N. Margin st.; also called Cooper court; not now shown.
- Cooper's alley, B.**, 1708; the "alley leading from ye end of Water st. through Mr. Oliver's land into Milk st.;" the third of the ways from Milk st. to Water st., 1732; called Kilby st., 1769; Miller's lane previously to 1784; named Adams st., July 4, 1788; Kilby st. again, 1825.
- Cooper's alley, B.**, 1819; the easterly end of Brattle st., so called; included in Brattle st. in 1820.
- Cooper's court, B.**, 1837; from Cooper st., south-east, between Endicott st. and N. Margin st.; also called Cooper-st. court.; not now shown.
- Copeland court, Rox.**, 1873; from Copeland st., near Waverly st., south-east; now called Burton av.
- Copeland place, Rox.**; from Copeland st., near Moreland st., south-east.
- Copeland street, Rox.**, 1835; from Cedar st. to Highland st.; Hawthorne st. so called in 1835 and 1843.
- \***Copeland street, Rox.**, 1851; from Warren st. to Moreland st.; accepted conditionally, May 26, 1851; laid out and extended from Warren st. to Moreland st., June 15, 1869; this street appears to have been formerly Mt. Warren av. by a plan dated 1869.
- Copeland's alley, B.**, 1824; from Court st., east, near Hanover st.; closed.
- Copeland's lane, B.**, 1820; from Court st. to Sudbury st.; called Alden's lane, 1732; Copeland's lane, 1820; Alden's lane again, 1829; named Alden st., 1846.
- \***Copley square, B.**, 1883; junction of Dartmouth st., Boylston st., Huntington av., Trinity pl. and St. James av.: lot bounded by Huntington av., Dartmouth and Boylston sts. purchased for a public square named Copley sq., Feb. 21, 1883; Trinity triangle, a triangular area bounded by Huntington av., Trinity pl. and St. James av., included in Copley sq., April 21, 1885.
- \***Copley street, } Rox. and W. Rox.**; from School st., near Arcadia st.,  
**Copley terrace, } north-east; Copley terrace laid out and named Copley**  
 st., Aug. 27, 1886; shown in 1884.
- Copper street, B.**, 1803; from Leverett st. to Poplar st.; named Brighton st., 1816.
- Copp's Hill, B.**; between Snowhill st., Charter st. and Lynn (now Commercial) st.
- Copp's Hill avenue, B.**, 1849; from Prince st. to Snowhill av.; released to Boston Gas Light Company, in exchange for land to widen Prince st., Dec. 8, 1866; now covered by Boston Gas Works.
- Coral court, } B.**; from Anderson st., west; called Coral court, 1844;  
**Coral place, } Coral pl.**, 1846; closed by erection of Phillips school-house  
 in 1861.
- Coral place, Chsn.**; from Pearl st., between Pearl-street pl. and Blaban pl., north-west.
- Corbet street, Dor.**, 1871; from Forest Hills av. (now Morton st.) to Norfolk st.; laid out, Aug. 15, 1889.
- Cordage court, So. B.**; from E. Seventh st. to E. Sixth st., between N st. and O st.
- Cordis court, Chsn.**; from Cordis st. to Pleasant st.; also called Cordis-st. pl.; laid out as Boyle st., Sept. 28, 1891.

- \***Cordis street**, Chsn., 1799; from Warren st. to High st.; accepted, April 7, 1817.
- Cordis-street avenue**, Chsn.; from Cordis st. to Pleasant st.; shown as Cross st., 1799.
- Cordis-street place**, Chsn.; from Cordis st. to Pleasant st.; shown as Cross st., 1808, when land was given to lay out the street; called also Cordis court; laid out as Boyle st., Sept. 28, 1891.
- Corey avenue**, B., 1846; from Ash st., east, then north-east to Bennet st.
- Corey avenue**, W. Rox.; from Weld st. to Corey st.; laid out with name of Ruskin st., April 1, 1890.
- Corey court**, Chsn.; from Corey st., west, near Medford st.
- \***Corey street**, W. Rox., 1853; from Weld st. at junction with Arnold st. to Park st.; part from Austin (now Centre) st., north-west, shown as Garden st., 1852; laid out from Weld st. to Centre st. and accepted, March 20, 1865; extended from Centre st. to Park st., Dec. 12, 1874; laid out from Centre st. and extended to Weld st., July 30, 1875.
- \***Corey street**, Chsn., 1853; from Medford st. to Moulton st., near Bunker Hill st.; shown as an unnamed street, 1850; Chip st. laid out, accepted and name changed to Corey st., May 23, 1853.
- \***Corinth street**, W. Rox., 1882; from Washington st. at Poplar st. to Brandon st.; Basto pl. laid out, extended to Brandon st. and named Corinth st., Nov. 25, 1882.
- \***Corn court**, B., 1708; from Faneuil Hall sq., southerly and easterly in irregular form to Merchant's row; from the Corn Market, south, 1708.
- Cornauba street**, W. Rox.; from Brown av., between Poplar st. and Ashland st., north-west, then north-east.
- \***Cornell street**, W. Rox., 1890; from Poplar st. to Orange st.; portion between Washington st. and Orange st. called Central av. in 1872; laid out as Cornell st., Aug. 7, 1890; Cornell st. extended from Washington st. over private land and through Charles st. to Poplar st., June 24, 1892.
- Corn Hill**, B.; Fort Hill was so called previous to 1632; afterwards Fort Field.
- Cornhill**, B., 1708; from School st. to Dock sq., 1708; line of street laid down and established Nov. and Dec., 1711, and Feb., 1712; name changed to Washington st., 1824.
- \***Cornhill**, B., 1829; from Washington st. to Court st.; laid out from Tremont st. at Scollay's building across Court st. to Cornhill (now Washington st.), near Brattle alley including Belknap's yard, and named Cheapside, March 5, 1816; named Market st., June 11, 1817; part between arch leading to Brattle st. and Dock sq. named Market row, Oct. 1, 1817; from Court st. to Washington st. named Cornhill, May 6, 1829; sometimes called New Cornhill; part between Tremont st. and Court st. named Pemberton sq., Feb. 19, 1838, and Scollay sq., June 25, 1838.
- \***Cornhill court**, B., 1814; from Washington st., west, then south to Court av.; called Church sq., in rear of the First church, 1708; same around old brick church, 1800; Cornhill sq., 1809; Cornhill court from Cornhill (now Washington st.), nearly opposite State st., 1814; the portion between Young's hotel and Washington st. on the southerly side of Rogers' building called Suffolk Inns, 1812; Suffolk av., 1820; Court av., 1839.
- Cornhill square**, B., 1809; from Cornhill (now Washington st.), nearly opposite State st.; called Church sq., 1708; Cornhill sq., 1809; Cornhill court, 1814.
- \***Corning street**, B., 1895; from Tremont st. to Washington st.; formerly Indiana pl.; name changed to Corning st., March 1, 1895.

- Corn Market**, B., 1708; the present south side of Faneuil Hall (then along the side of the dock), so called in 1708; from the Sun Tavern in Dock sq. to Merchant's row, 1732; called Corn Market st., 1762; Market sq., 1784; included in Faneuil Hall sq., 1855.
- Corn Market street**, B., 1762; Corn market so called at one time; enlarged on south side of Faneuil Hall market, April 14, 1762; later a part of Market sq., and now a part of Faneuil Hall sq.
- \***Cornwall street**, W. Rox., 1886; from Washington st. to Boylston av.; Chemical av. laid out from Washington st. to Brookside av. and name changed to Cornwall st., June 24, 1886; extended to Boylston av., Aug. 12, 1891.
- Corona street**, Dor.; from Bowdoin st., near Westville st., to Geneva av.; authority to open given by Street Commissioners, Nov. 8, 1894.
- \***Cortes street**, B., 1863; from Ferdinand st. to Berkeley st.; laid out, July 26, 1875.
- \***Corwin street**, Dor., 1890; from Westville st. to Arcadia st.; formerly called Westville st.; laid out, Sept. 10, 1890.
- Cottage avenue**, Dor., 1836; from Geneva st. (now av.), northerly and north-westerly, to Green (now Onley) st.; name changed to Everton st., Dec. 30, 1876.
- Cottage avenue**, W. Rox., 1851; from Centre st., south-east, near La-Grange st.; called Cottage pl., 1843-44-49, and in 1884; named Cottage st. by Town in 1825.
- Cottage court**, Rox.; from Rand sq. (now Julian st.) to Gayland av.
- Cottage place**, B., 1833; from Washington st., near Perry st., to Harrison av.
- Cottage place**, Rox., 1844; from Tremont st., north-west, to B. & P. (now N.Y., N.H. & H.) R.R.; Columbus av. extended across it, Jan. 4, 1895; formerly School court.
- Cottage place**, Rox.; from Tremont st., south-east; name changed to Howe court, April 21, 1868.
- Cottage place**, W. Rox., 1844; from Centre st., south-east; shown in 1843-49; also called Cottage av. and Cottage st.
- Cottage row**, Chsn.; from Medford st., opposite Lexington st.
- Cottage side**, Dor.; from E. Cottage st. to Willis st.; formerly Turpin court.
- †**Cottage street**, E.B., 1833; from Marginal st. to Parkway leading to Wood Island Park; laid out from Marginal st. to Maverick st., Oct. 25, 1852; a foot-bridge 25 feet wide extends across the water from Maverick st. to Prescott st.; authority to open from Prescott st. to Parkway leading to Wood Island Park given by Street Commissioners, April 21, 1893.
- Cottage street**, So. B.; from W. Ninth st., south-west, to N.Y., N.H. & H. R.R.
- Cottage street**, Rox.; from Warren st. to Shawmut av. (now Washington st.), near Dudley st.; used before Dedham turnpike was made for carting wood from Muddy Pond woods; Town Surveyor recommended closing this street, April 7, 1845; name changed to Cliff st., April 21, 1868; called Cliff st., from Warren st. to Dedham turnpike, 1843-49; on plan dated 1863 called "Cottage st., formerly Cliff st."
- Cottage street**, Dor., 1799; from Dudley st. crossing Five Corners (now Edward Everett sq.) to Pleasant st.; named from Boston st to Old road (now Dudley st.), March 11, 1840; name of Myrtle st. from Boston st. to Pleasant st. changed to Cottage st., March 1, 1847; name of Cottage st., between Dudley st. and Pleasant st., and Pond st., between Pleasant st. and Dorchester av., changed to East Cottage st., March 1, 1893.

- Cottage street**, W. Rox., 1825; from Centre st., near La Grange st., south-east; named "from Centre st. by Howe's place," May 9, 1825; called Cottage pl., 1844, also on Whitney's map of Roxbury, 1843-49, and again in 1884; called Cottage av., 1851, and in 1874.
- Cottage street**, W. Rox., 1849; from Pond st. to Perkins st.; called so in 1843-49-51; now called Prince st.
- Cottage street**, W. Rox.; 1871; from Williams (now Brandon) st. to Prospect (now Penfield), near Birch st.; laid out with name of Amherst st., Sept. 14, 1881.
- \***Cottage street**, Chsn., 1855; from Bunker Hill st. to Medford st.; laid out, April 8, 1878.
- Cottage-street place**, E.B.; from Cottage st. between Webster st. and Sumner st., south-east.
- Cottage terrace**, Dor.; from E. Cottage st. between Batchelder st. and N.Y. & N.E. R.R., north-east.
- Cotting court**, B., 1848; from Cotting st.; included in Wall st. when extended to Causeway st. in 1852.
- Cotting place**, B., 1835; from Chambers st., near Cambridge st., north-west.
- \***Cotting street**, B., 1843; from Lowell st. to Leverett st.; called Leverett court, 1822; Cotting st., 1843; accepted from Lowell st. to Wall st., Oct. 10, 1853; accepted from Wall st. to Leverett st., Aug. 27, 1855.
- Cotton alley**, } B., from Atlantic av. (formerly Broad st.) to Purchase  
**Cotton place**, } st.; called Cotton alley, 1826; Cotton pl., 1828; and since by both names.
- Cotton Hill**, B.; anciently so called and as late as 1733; named after residence of Rev. John Cotton; subsequently called Pemberton hill after James Pemberton.
- Court avenue**, B., 1837; from Washington st. to Court sq.; called Suffolk Inns, 1812; Suffolk av., 1820; Court av., 1837; part from Washington st. to Cornhill court at one time a part of that court.
- Court square**, B., 1798; from State st. to Congress st.; called Half-square court, 1708; Court sq., 1798; now a part of Congress sq.
- Court square**, B., 1815; from School st. to the new court-house; laid out on land appertaining to the school-house in School st., May 20, 1812; named Court sq., Sept. 27, 1815; now included in site of City Hall.
- \***Court square**, B., 1841; from Court st., south-west, around the old court-house to Court st. again; the present east entrance probably called Prison lane, 1722; laid out on east and west sides of new court-house, Dec. 7, 1835; street on west side discontinued, Aug. 15, 1836; street laid out around new court-house, Nov. 5, 1838; square in which court-house is situated named Court sq., Aug. 30, 1841.
- \***Court street**, B., 1784; from Washington st. to Bowdoin sq.; from Washington st. to the head of Hanover st. called Queen st., and from Sudbury st. to Bowdoin sq. called Cambridge st., 1708; name of Queen st. changed to Court st., July 4, 1788; extended to Bowdoin sq. through a part of Cambridge st., 1807; area between Court st. and Tremont st. named Pemberton sq., Feb. 19, 1838, and Scollay sq., June 25, 1838; part from Sudbury st. to Bowdoin sq. called Green st., 1850, and later in the same year again called Court st.; part once called Centry or Sentry st., Century or Century Hill st.
- Court street**, Dor.; from Minot st., south; so called in 1874; shown as an unnamed place in 1868; called Minot pl., 1884.
- Courtland street**, Rox., 1871; from Parker st., crossing Huntington av. to Rogers av.

- Cove, The, B.**, 1708; where Faneuil Hall (sometimes called Quincy) market now stands; then so called.
- Cove place, B.**, 1845; from Cove st., east, then south to Furnace st.; from Cove st., east, 1845.
- †**Cove street, B.**, 1842; from East st., near Federal st., to Furnace st.; from East st. to Kneeland st., 1842; to Lehigh st., 1846; accepted and laid out from East st. to Kneeland st., Aug. 23, 1852.
- Coventry street, B.**, 1733-91; about the same as the easterly half of Walnut st.
- Coventry street, Rox.**, 1849; from Tremont st. to Columbus av.
- \***Cow lane, B.**, 1708; from Fort Hill to Summer st.; extended by abutters to Sconce st. and accepted by Town, 1741; named High st., May 24, 1797, but called Cow lane in list of 1800.
- Cow lane, Bri.**, 1837; see plan, book 365, p. 554, Middlesex South District Deeds.
- Cowell's corner, B.**, 1708; cor. Newbury (now Washington) st. and West st. then so called.
- Cowing street, W. Rox.**; from La Grange st., opposite Martin st., southwest, then south-east, across Partridge st.
- †**Cowper street, E. B.**, 1838; from Rice st. to Moore st. (with proposed extension to Swift st.); laid out from Moore st. to Short st., July 25, 1881.
- Coy's lane, Rox.**; an old road or cartway from Norfolk and Bristol turnpike (now Washington st.) to St. James st.; shown in 1844.
- Crab alley, B.**; from Batterymarch st. to Broad st.
- Crab alley, B.**, 1708; from Batterymarch st. to the foot of Water st., opposite Mackerel lane; included in Batterymarch st., 1803; sometimes called Crab lane.
- Crab alley, B.**, 1800; from Liberty sq. to Broad st.; called Brimmer av., 1822-1826.
- Crab lane, B.**, 1708; from Macrill lane (now Kilby st.) to the sea, 1708; also called Crab alley; included in Batterymarch st., 1803.
- Craft street, Rox.**, 1872; from Heath st., near Tremont st. (now Huntington av.), to Jamaica way.
- Crafts street, Chsn.**; from Cambridge st., south-east, to Roland st., near and west of Boston & Maine R.R.
- Craigie's bridge, B.**, 1786; from the foot of Leverett st. to Lechmere's point, Cambridge; called also Canal bridge and Central bridge.
- \***Cranston street, W. Rox.**, 1890; from Sheridan st., south-west, then north-west over Terrace av. to another part of Terrace av.; laid out, Nov. 11, 1890.
- \***Crawford street, Rox.**, 1872; from Warren st. to Walnut av.; laid out, from Warren st. to point included in present Elm Hill av., Oct. 16, 1877; extended through Llewellyn av. to Walnut av., Dec. 4, 1879.
- Crawshaw place, Rox.**; from Hampshire st., north-west, between Vernon st. and Clay (now Linden park) st.
- Creek lane, B.**, 1708; from Marshall's lane (now Marshall st.) to Scottow's (now Scott) alley; south part called Creek sq., 1803; called Hatter's sq., 1823; the part leading from Marshall st. or lane called Hancock row, 1826; whole called Creek sq., 1855.
- \***Creek square, B.**, 1803; between Union st. and Blackstone st.; formerly Creek lane; the name was applied to part of same, 1803; called Hatter's sq., 1823; part called Hancock row, 1826; previous name again applied, 1855.

- Creek street, B.**, 1831; from Fulton st. and Clinton st. to Charlestown st. and Cross st.; Ann (now North) st. widened near Creek st., 1831; laid out, Oct. 23, 1833; sometimes called Canal st.; discontinued; seems to be in same place as present Blackstone st.
- Creek street, Dor.**, 1840; from Pleasant st. to Dorchester av., near Commercial st.; named "from Sam'l Downer's to Dorchester turnpike and Wales creek," March 11, 1840; called Swan st. in 1854.
- \***Creighton street, Rox.**, 1856; from Centre st., north-westerly, to Day (formerly Cross) st.; laid out from Centre st. to Day st., Sept. 10, 1889.
- Crescent, The, B.**, 1798; part of the present Franklin st. between Bishop's alley (now Hawley st.) and Federal st.; laid out with an oval enclosure 300 feet long in the centre, on one side of which was Franklin pl., and on the other the Tontine crescent, a block of sixteen dwelling-houses; made part of Franklin st., 1858.
- Crescent avenue, Chsn.**; from Cambridge st., near Somerville line, southerly, to unnamed street; Crescent st.
- \***Crescent avenue, Dor.**, 1810; from Dorchester av., opposite Pond (now E. Cottage) st., to O.C. (now N.Y., N.H. & H.) R.R., at Crescent av. station; located May 14, 1810; laid out by Selectmen, Nov. 10, 1868; accepted by Town, April 5, 1869.
- Crescent avenue, Bri.**; from Washington st., southerly and south-westerly, to Newton line; shown but not named in 1846.
- Crescent court, B.**, 1844; from Friend st., south-west, near Causeway st.; called Crescent pl., 1884.
- Crescent place, B.**; Crescent court, so called in 1884.
- Crescent place, B.**, 1822; from Green st., north, near Pitts st.
- Crescent street, Chsn.**; from Roland st., near Somerville line, north, across Cambridge st., then north-east, beyond Hadley st. to unnamed street opposite Pearl st., in Somerville; also called Crescent av.
- Crest avenue, Dor.**; from Riverview av., at Bearse st., south-east, to Riverview av. again.
- Crest street, W. Rox.**; from Kirk (formerly Oak and later Short) st., south-west, to and beyond Houston st.
- Crestwood terrace, Rox.**; from Townsend st.
- Crimmen place, Chsn.**; from Corey st., east, between Moulton st. and Medford st.
- Crocker place, B.**, 1857; from Albany st., east, rear of East Orange (now Way) st.
- Crofts street, B.**, 1732; at north end of Ann (now North) st., from the sea north-west to the Mill-pond; probably same as Cross st.
- Cromwell street, Rox.**; from Massachusetts av. to Dalton st.; laid out as St. Germain st., Sept. 14, 1894.
- Crooked alley, B.**, 1708; from Cow lane (now High st.) to Belcher's lane (now Purchase st.); in 1834 it existed as a narrow passageway opposite head of Federal st., but had no name; called Brick alley, 1788; Board alley, 1847; Broad alley by plan, 1864; shown as Board alley as late as 1870, but now built over.
- Crooked lane, B.**, 1708; from Dock sq. to King (now State) st.; name changed to Wilson's lane, May 12, 1712; included in extension of Devonshire st., 1872.
- Crosby place, B.**, 1859; from W. Canton st., between Newland st. and Ivanhoe st., south-west.
- Crosby place, B.**, 1876; from Reed st.



- Crosby place**, Rox.; from Adams st. between Hampden st. and Yeoman st., north-west.
- Crosby place**, W. Rox.; from Call st., near Carolina av., south-west; also called Crosby sq.
- Crosby street**, Bri., 1870; from Brooks st., east, near B. & A. R.R. at Faneuil; shown as part of Parkman st. in 1874; location changed and called Crosby st. in 1884.
- Crossland place**, Bri.; from Winship st., south-east.
- Cross-dam**, Rox.; Parker st. anciently and for a long time so called.
- \***Cross street**, B., 1708; from Haymarket sq. to Commercial st.; from the Mill-pond, south-east, to the sea, 1708; called at the same time "the highway to Breeden's wharf"; probably same as Crofts st., 1732; Coney lane and Drum lane continued into the Mill-pond, Sept. 30, 1807; in 1817 it crossed Middle (now Hanover) st., Back (now Salem) st. and Fish (now North) st.; extended to Commercial st., 1830.
- Cross street**, B., 1802; the part of Lyman st. running east from Leverett st. was then so called.
- Cross street**, E.B., 1833; from Border st. to New st.
- Cross street**, Rox., 1825; from Centre st. to Heath st.; probably laid out Jan. 19, 1662; named, May 9, 1825; name changed to Day st., April 21, 1868.
- Cross street**, Dor., 1840; from Columbia st., near Quincy st., to Hancock st.; located, May 18, 1807; named, March 11, 1840; name changed to Glendale st., May 31, 1870.
- Cross street**, W. Rox.; from Augustus av. to Hillside av., near Poplar st.
- \***Cross street**, Chsn., 1823; from Cordis st. to Pleasant st.; accepted, June 6, 1823; probably now Cordis-st. pl. (or Cordis court.)
- \***Cross street**, Chsn., 1839; from High st. to Bartlett st. opposite Trenton st.; laid out, Oct. 29, 1839; accepted, Nov. 11, 1839.
- Cross-street avenue**, Chsn.; from Cross st. to Cedar st.
- Cross-street court**, Chsn.; from Cross st. to Cedar st.
- Crossin place**, Rox.; from King st., south-west, near Elmwood st.
- Crossman street**, Dor.; from junction of Norfolk st. and Delhi st., north-east, then south-east across W. Selden st.
- Cruft place**, B., 1841-52; from Pearl st., east, near Milk st.; closed.
- Crystal place**, Chsn.; from Mead st., north-west, near Main st.
- Culbert place**, Rox.; from Columbus av. (formerly Pyncheon st.) near Cedar st., south-east, to N.Y., N.H. & H. R.R.
- Culvert place**, Rox.; from Culvert st., south-west, toward Vernon st.; laid out as a public street and named Downing st., Aug. 29, 1884.
- †**Culvert street**, Rox.; from Cabot st. to Ruggles st.; part from Tremont st. to Ruggles st. laid out, July 29, 1867; Columbus av. was extended across Culvert st., Jan. 4, 1895.
- \***Cumberland street**, Rox., 1880; from Huntington av., to N.Y. N.H. & H. R.R.; laid out, Jan. 19, 1880.
- Cummings road**, Bri.; from Commonwealth av., south, then south-east to Dean road near Brookline; authority to open road No. 4 (Cummings road) given by Street Commissioners, May 13, 1892.
- \***Cumston place**, B., 1861; from Shawmut av. to Cumston st.; laid out as a public street, May 21, 1867.
- \***Cumston street**, B., 1847; from W. Concord st. to Rutland st.; new street from Concord st. to Rutland st. named Cumston st., 1847; accepted, May 21, 1867.

- \***Cunard street**, Rox., 1849; from Columbus av. to Cabot st.; from Tremont st. to Berlin st. laid out, Oct. 15, 1877; from Tremont st. to Cabot st. laid out, Oct. 4, 1894.
- \***Cunningham street**, Dor.; from Howard av. to Hartford st.; laid out, June 28, 1892.
- Curtis court**, Rox.; from Vernon st., near Downing st., north-east.
- \***Curtis street**, E.B., 1859; from Chelsea st. to Saratoga st.; laid out from Chelsea st. to Pope st., Dec. 27, 1859; extended to Saratoga st., Dec. 31, 1875.
- \***Curtis street**, Rox. and W. Rox., 1852; from Boylston st., opposite Chestnut st., north; laid out from Boylston st. to Wyman st., Jan. 31, 1876; street from Wyman st. to Green st., part of which has been called Curtis st. and part Chestnut st., named Chestnut av., Dec. 26, 1877; Curtis st. together with Chestnut st. included in one street and named Chestnut av., Dec. 26, 1877.
- Curtis street**, W. Rox., 1878; from Boylston st. to Wyman st., near Chestnut av.; shown as an unnamed street, 1856; called Chapel st., 1867; name of Chapel st. changed to Curtis st., June 22, 1878; laid out as Danforth st., Sept. 12, 1881.
- \***Curtis street**, W. Rox., 1825; from Norfolk and Bristol turnpike (now Washington st.) to Walnut st.; named Dedham turnpike south of Independent spring to Back st. (now Walnut av.), May 9, 1825; formerly known as Jube's lane, and probably a public highway some time previous to 1825; Curtis st. and that part of Walnut st. from its junction with Curtis st. to South st. named Forest Hill st., June 26, 1849; called Forest Hills st., Nov. 5, 1860.
- \***Curve street**, B., 1840; from Albany st. to Broadway; from Harrison av. to Lincoln st., 1840; to Albany st., 1846; accepted conditionally, Dec. 17, 1849; accepted, Jan. 5, 1856; Broadway extended to Washington st. through part of Curve st., July 3, 1880.
- \***Cushing avenue**, Dor., 1881; from Sawyer av., westerly, northerly and westerly to Hancock st.; Thacher av. laid out and extended to Hancock st., including part of Upham av., and name changed to Cushing av., Oct. 28, 1881.
- Cushman avenue**, B., 1855; from Leverett st. to Wall st. between Minot st. and Cotting st.; called Leverett lane, 1831; Cushman av., 1855.
- Cusson place**, B., 1871; from S. Margin st., near Norman st., south-west.
- \***Custer street**, W. Rox., 1881; from South st., west, crossing Ballard st. and Goldsmith st.; White av. from South st. to Woodman st. laid out and name changed to Custer st., May 19, 1881.
- \***Custom House street**, B., 1804; from Broad st. to India st.; confirmed as a public street, Sept. 15, 1834.
- Cypher street**, So. B.; from B st. to E st., north-east of and parallel with W. First st.
- Cypress place**, B., 1840; from Cypress st., east, near Vine (now Parkman) st.; called Cypress-st. pl. in 1848; built over.
- Cypress place**, B.; Cypress st. from Cambridge st. to Parkman st.; so-called in 1883.
- Cypress road**, Bri.; from George st. to Dustin st., between Spring st. and Garden st.; also called Cypress st.
- Cypress street**, B., 1840; from Cambridge st. to Parkman st.; called Cyprus pl., 1883.
- Cypress street**, W. Rox., 1872; from Beech st. to Bellevue av., opposite Cedar st.
- \***Cypress street**, W.; Rox. from Baker st. to Spring st.; laid out, Sept. 28, 1886.

- Cypress-street place**, B., 1848; from Cyprus st., east, near Vine (now Parkman) st.; called Cypress pl., 1840; built over.
- \*D street**, B., 1828; from Mill-dam (now Beacon st.), north, to the water; established in 1828; from Western av. (now Beacon st.) to Chestnut st. accepted, Aug. 7, 1855; same named Messinger st., Jan. 5, 1856; name changed to Brimmer st., 1869.
- \*D street**, So. B., 1804; from Dorchester av. to low-water mark (with proposed extension to Eastern av. (now Congress st.)); projected "from the boundary line to the sea," Oct. 4, 1804; laid out and named, Feb. 27, 1805; laid out from point 46 feet south of Baxter st. to O.C. (now N.Y., N.H. and H.) R.R., Sept. 17, 1867; laid out, 50 feet wide, from O.C. R.R. to low-water mark ("502 to 509 feet from E st."), Nov. 17, 1868; extended to Dorchester av. across location of O.C. R.R., passing under the tracks, March 29, 1882.
- D street**, Dor., 1892; from Pleasant st. to F (now Bakersfield) st.; authority to open given by Street Commissioners, May 4, 1892; now called Hinckley st.
- D street**, W. Rox., 1868; from Spring Park av., south-west; laid out and extended to Green st. under name of Rockview st., May 26, 1880.
- Dabney place**, Rox., 1868; from Regent st., near Fountain st., south-east.
- \*Dacia street**, Rox.; from Quincy st. to Brookford st.; laid out from Dalmatia st., to Dewey st., Nov. 10, 1891; laid out from Dewey st. to Brookford st., Dec. 31, 1891; Cherry st., from Quincy st. to Dalmatia st., named Dacia st., March 1, 1892; for laying out of this part see Cherry st.
- Dacia place**, }  
**Dacia court**, } Rox.; from 9 Dacia st.
- D'Acosta's pasture**, B.; the space between Milk, Summer, Federal, and Hawley sts. as spoken of in early records.
- Dafforne's corner**, B., 1708; cor. of Milk st. and Cooper's alley (now Kilby st.); then so called.
- Daggett's alley or lane**, B., 1789-1823; from North (now Hanover) st. to Ship (now Commercial) st.; Battery alley sometimes so called from 1789 to 1823; Battery st. since 1806.
- Dakota street**, Dor.; from Geneva av. to and across Bowdoin sq.
- Dale avenue**, Rox.; from Dale st., north; Sherman st. extended from Dale st. to Rockland st., including Dale av., Oct. 10, 1882.
- \*Dale street**, Rox., 1844; from Warren st. to Washington st.; petition that a new street from Warren st. to Walnut st. (now av.) be accepted and named Dale st., reported favorably on certain conditions, April 1, 1844; and report accepted by Town; accepted from Shawmut av. (now Washington st.) to Walnut st., Oct. 14, 1867; accepted from Walnut st. to Warren st., Oct. 28, 1867.
- \*Dale street**, W. Rox., 1849; from Poplar st., south-east, to Hyde Park line; laid out, Nov. 12, 1877.
- Dalkeith street**, Dor.; from Howard av., near and north of Quincy st.; authority to open given by Street Commissioners, May 25, 1893.
- Dallas place**, Rox.; from Cabot st., near Ruggles st., south-east.
- \*Dalmatia street**, Rox. and Dor., 1891; from Blue Hill av. to Howard av.; laid out, Dec. 8, 1891.
- \*Dalton street**, B. and Rox., 1878; from Falmouth st. to B. & A. R.R.; laid out, Oct. 7, 1878.
- Dalton street**, B., 1788; from Water st., opposite Leverett's lane, to Milk st.; opened, May 30, 1763, but no name then officially given; called Dalton's lane or row until 1788, when it was named Dalton st.; name changed to Congress st., Jan. 22, 1800.

- Dalton's lane or row**, B., 1769; opened from Water st., at end of Lev-  
erett's lane, into Milk st., May 30, 1763, but not then named; so called  
prior to 1788; named Dalton st., 1788; Congress st., Jan. 22, 1800.
- Damascus street**, Dor.; from Blue Hill av. to Howard av.; laid out as  
Dewey st., May 13, 1889.
- Damon place**, B., 1876; from Bennet st., south, to unnamed place leading  
from Ash st.
- Dana court**, Rox.; from 16 Dana st., south-east.
- Dana place**, Rox., 1849; from Dudley st., south-west, with branch to the  
west and another south-east; laid out and extended to Cliff st. with  
name of Dana st., Nov. 26, 1884.
- Dana place**, Rox.; from 26 Dana st., south-east.
- Dana street**, So. B.; from W. Ninth st., near Dorchester st., south-west  
to O. C. (now N.Y., N.H. & H.) R.R.; at one time called Watti court;  
laid out and named Mitchell st., Aug. 12, 1885.
- \***Dana street**, Rox., 1884; from Dudley st. to Cliff st.; Dana pl. laid out  
from Dudley st. and extended to Cliff st. with name of Dana st., Nov.,  
26, 1884.
- Danby street**, So. B.; (proposed street) from the proposed extension of B  
st. to the proposed extension of E st., on the so-called Commonwealth  
flats.
- Danforth place**, Rox.; from St. James st., south, near Alpine st.
- \***Danforth street**, Rox. and W. Rox., 1881; from Boylston st. to Wyman  
st.; Curtis st. laid out as Danforth st., Sept. 12, 1881.
- \***Danube street**, Dor.; from Brookford st. to Dewey st.; laid out, March 21,  
1890.
- Darling's lane**, W. Rox., 1871; from Blue Hill turnpike (now av.), near  
Williams st., north-west, then south-west; now included in Franklin  
Park.
- Darling street**, Dor.; from Norfolk st., opposite Wentworth st., to South-  
ern av.
- \***Dartmouth place**, B., 1874; from Dartmouth st., north-east, to an un-  
named place or way between Warren av. and Appleton st.; laid out  
from Dartmouth st., May 9, 1877.
- \***Dartmouth street**, B., 1866; from Tremont st. to Beacon st.; shown as  
Avenue A in 1855; from the Mill-dam across the Back Bay to  
Tremont st., opposite Dedham st. in 1856; called Dedham st. to 1866,  
with exception of short time about 1864 when the name of Burlington  
st. was used; portion of Dedham st., between Tremont st. and the  
line of the Boston Water Power Co.'s land (Beacon st.) named Dart-  
mouth st., Jan. 23, 1866; laid out from Tremont st. to Warren av.,  
Dec. 3, 1867; laid out from Warren av. to Columbus av., Oct. 20,  
1868; laid out from Columbus av. to St. James av., April 27, 1869;  
laid out from Beacon st. to the former boundary line between land of  
the Commonwealth and of the Boston Water Power Co. (near where  
Huntington av. now is), April 15, 1871.
- Dassett's } alley**, B., 1789; from Brattle sq. to Court st.; sometimes, but  
**Dorsett's } rarely, so called; called Brattle st., 1708; Brattle's alley or lane,**  
1722; Dassett's alley, 1789; Franklin av., 1818; properly Dassett's  
alley was the easterly end of Brattle st. leading to Dock sq.; called  
Cooper's alley, 1819; included in Brattle st., 1820.
- Davenport avenue**, Dor.; from Columbia st., near Hancock st., north-  
west, to Virginia st.
- Davenport place**, Rox.; from 23 Davenport st., north-east.
- Davenport street**, Rox., 1859; from Tremont st. to Berlin st. (now Co-  
lumbus av.).

- Davenport square**, Dor.; shown on atlas of 1894 as between Rocky Hill av. and Arion st., near junction Columbia st. and Hancock st.
- Davenport's lane**, Dor., 1805; mentioned, May 13, 1805; straightened, April 1, 1816; relocated, Nov. 11, 1839; now Marsh st. (from Adams st., near Minot st.).
- Davenport's lane**, Dor., 1840; from Bowdoin st., west; the street from Bowdoin st. through Davenport's lane named Green st., according to recommendation of committee, March 11, 1840; now Olney st.
- Davidson avenue**, Dor.; from Richfield st., opposite Norton st.
- Davies lane**, B., 1708; from Beacon st. at the corner of the present Mt. Vernon st., across the State-house grounds, past the beacon to Walnut st. (then Allen's orchard), 1708; shown on Bonner's plan, 1722; on Burgess's, 1729; is in list of 1732, but is not shown on Price's map, 1733.
- Davis court**, B., 1869; from N. Grove st., near Cambridge st., west.
- Davis court**, E.B.; from London st., near Marion st., south-east.
- Davis place**, Rox.; from Webber st., near Fellows st., north-east.
- Davis place**, Dor.; from Cottage st., near Sumner st., south-west; called also Turpin court.
- \***Davis street**, B., 1853; from Washington st. to Harrison av., opened from Washington st. to Harrison av., Dec. 20, 1852; named Davis st., Feb. 28, 1853.
- Davis street**, B., 1810; from Washington st. to Tremont st., 1810; called Camden st., 1826.
- Davis street**, Rox., 1825; from Northampton st. to Eustis st.; prior to 1800 this street led from town landing on Roxbury canal to Eustis st. (then Mall st.); later Eustis st. changed south of Mall st. and Davis st. extended across New Eustis st. to Dudley st.; named, May 9, 1825; certain alterations in June, 1842; extended to Dudley st. opposite Elm st. (now Mt. Pleasant av.), April 2, 1855; City Government of Boston request that of Roxbury to lay out Davis st. to meet Albany st., at Roxbury creek, April 21, 1855; name changed to Albany st., April 21, 1868.
- Davis street**, Rox., 1845; from Parker Hill av., east; from High st. (Parker Hill av.) east, 1819; name changed to Hillside st., April 21, 1868.
- \***Day street**, Rox., 1868; from Centre st. to Heath st.; named Cross st., May 9, 1825; probably laid out Jan. 19, 1662; name changed to Day st., April 21, 1868.
- Day street**, Bri.; from junction Washington st. and Cambridge st.; included in the laying out of Henshaw st., Nov. 6, 1891.
- Day's alley or lane**, B.; Henschman st., from Charter st. to Lynn (now Commercial) st. so called prior to 1708.
- Dayton avenue**, Rox.; from 30 Mall st., north-east.
- \***Deacon street**, B., 1871; from W. Concord st. to Worcester st.; named, Nov. 14, 1871; laid out, Sept. 29, 1875.
- Deacon street**, B., 1788; from Friends (Friend) st. to Cold lane (Portland st.), 1788; extended from Friend st. to Merrimac st., Oct. 3, 1831; name of Deacon st. discontinued and Sudbury st. extended to Merrimac st., Sept. 2, 1839; name of Deacon st. again discontinued and part from Portland st. to Merrimac st. made part of Sudbury st., April 14, 1851.
- Dean avenue**, Dor.; from Howard av.; laid out as Dean st., and extended to Judson st., Oct. 14, 1892.
- \***Dean street**, Dor., 1892; from Howard av. to Judson st.; Dean av. laid out as Dean st., Oct. 14, 1892.

- Dean street**, Bri., 1871; from Warren st. to Breck st.; closed; Massachusetts (now Commonwealth) av. having been laid out parallel with and a few feet from it.
- \***Dearborn place**, Rox., 1857; from Dearborn st., near Eustis st. to Dearborn grammar school; laid out, June 27, 1871.
- \***Dearborn street**, Rox., 1857; from Albany st. to Dudley st.; part north of Eustis st. called Abney pl., 1850; westerly line established from Davis (now Albany) st. to Eustis st., June 22, 1857.
- Dearborn's avenue**, B., 1823; from Federal st. to Theatre alley (Devonshire st.), 1823-45; closed.
- \***Deblois street**, B., 1871; from Shawmut av. to Deacon st.; named, Nov. 14, 1871; laid out, May 6, 1876.
- Decatur avenue**, Rox.; from 81 Pyncheon st., west.
- Decatur court**, Chsn.; from Decatur street, near Bainbridge st., north-west; shown as an unnamed court on plan, 1850; called also Decatur-st. court.
- \***Decatur street**, B., 1842; from Washington st. to Harrison av., near Dover st.; laid out, Aug. 13, 1877.
- \***Decatur street**, E.B., 1833; from Border st. to Orleans st. (with proposed extension to Lamson st.); accepted conditionally from Border st. to Meridian st., Aug. 16, 1852, and from Meridian st. to Bremen st., May 17, 1856; accepted from Bremen st. to Orleans st., April 5, 1859; part from Meridian st. to Bremen st. named Gove st., March 1, 1893.
- Decatur street**, W. Rox., 1872; from Beech st., north-east, between Anawan av. and Dedham branch R.R.; shown only on plan of Anawan land Co., dated June, 1872.
- \***Decatur street**, Chsn., 1850; from Bunker Hill st. to Medford st.; portion from Vine st. to a new street laid out and accepted, Dec. 30, 1852; extended and laid out from Perry st. to Medford st., Dec. 14, 1859; extended and laid out of uniform width from Vine st. to Bunker Hill st., March 15, 1869.
- Decatur-street court**, Chsn.; from Decatur st., north-west; Decatur court, sometimes so called.
- Decher avenue**, W. Rox.; from 198 Lamartine st.
- Declination passage**, B.; Henschman st., from Charter st. to Lynn (now Commercial) st. so called at some time prior to 1708; also called Day's alley or lane.
- Dedham court**, B., 1850; from Dedham st., east, 1850; included in Meander st., 1851.
- \***Dedham street**, B., 1826; from Washington st., west, 1826; the seventh of new streets at South End, from Tremont st. to Front st. (now Harrison av.), named Dedham st., Sept. 15, 1834; extended to Albany st., 1854; order for purchase of land for extension to Beacon st., Nov. 8, 1856; street accepted, Dec. 7, 1857; accepted again, Oct. 30, 1860; portion west of Tremont st. unofficially called Burlington st. for a long time and this name ordered removed from sign in 1864; from Tremont st. to line of Boston Water Power Co.'s land named Dartmouth st., Jan. 23, 1866; from Washington st. to Albany st. named E. Dedham st., April 21, 1868; from Washington st. to Tremont st. named W. Dedham st., April 21, 1868.
- Dedham turnpike**, Rox. and W. Rox., 1808; from Dudley st. to Dedham line; Norfolk and Bristol turnpike sometimes so called; see map of 1849; called also Dedham and Providence turnpike, Dedham road, Dedham old road, road to Dedham, etc., Norfolk and Bristol turnpike; later called Shawmut av. and now Washington st.
- Dedham and Providence turnpike**, Rox., 1843; now Washington st.

- \***Deerfield street**, Rox., 1893; from Commonwealth av. to Charles River; laid out and construction ordered, June 7, 1893.
- Deering's corner**, B., 1708; cor. Cornhill (now Washington st.) and Queen (now Court) st. then so called.
- Delaware street**, Rox.; from Tremont st. to Calumet st.; authority to open given by Street Commissioners, Feb. 27, 1894.
- Delhi street**, Dor.; from Norfolk st., north-east, near and parallel to N.Y. & N.E. R.R.
- Dell avenue**, So. B.; from E. Seventh st., near I st., north.
- Dell street**, Dor.; from Dorchester av. to Wrentham (now Bruce) st.; laid out as Dracut st., April 19, 1890.
- \***Delle avenue**, Rox., 1871; from Parker st., near Tremont st., to Burney st.; laid out from Parker st., July 9, 1879.
- Deming's court**, B., 1806; from Newbury (now Washington) st., south of Central court, 1806; called Central court, 1816; spelled also Demming's and D'Emming's court; see Avon pl.
- Demisa square**, B.; from Reed st., west, about 225 feet; included in E. Lenox st., 1874.
- D'Emming's,**  
**Demming's,** } court, B.; see Deming's court.  
**Denning's,** }
- Dennis place**, Chsn.; from Walnut st., near Bunker Hill st., north-west; now called Bellows pl.
- \***Dennis street**, Rox.; from Dudley st. to Woodville st.; formerly from Dudley st. to Blue Hill av.; laid out, Jan. 19, 1662; confirmed, May 17, 1797; named from Eustis st. to Warren st., including present Dennis st., part of Blue Hill av. and part of S. Dennis st., May 9, 1825; laid out by County Commissioners from Warren st. to Eustis (now Dudley) st., near Elm st. (now Mt. Pleasant ave.), Sept., 1840; alterations in June, 1842; part now Blue Hill av. shown on plan dated 1849 as East st., and part now Quincy st. as S. Dennis st.; relocated from Dudley st. to Woodville sq. (now st.), June 4, 1886; name of that part between Woodville sq. and Blue Hill av. changed to Woodville st., March 1, 1890.
- \***Denny street**, Dor., 1892; from Savin Hill av. to Springdale st.; Bath av. laid out as Denny st., April 21, 1892.
- †**Dent street**, W. Rox., 1872; from Mt. Vernon st. to West Roxbury Branch R.R. at West Roxbury Station; portion from Jordan st. to Ivory st. laid out, Sept. 28, 1876; authority to open part between Lasell st. and Weld st. given by Street Commissioners, Oct. 12, 1893.
- Denvir street**, Dor., from Edwin st., north, near Dorchester av.
- Depot square**, Dor., 1858; from Walnut st., south-east.
- Depot street**, Rox.; from Brookline av., near Brookline Branch R.R., north-west, to same.
- Derby avenue**, B., 1841; from Brighton st. to Auburn st., 1841; called Brighton-st. av., 1844.
- Derby court**, So. B.; from E. Second st., near H st., north.
- Derby place**, B., 1853; from Washington st., near Woodbury st., north-west, to unnamed place.
- \***Derne street**, B., 1806; from Bowdoin st. to Hancock st.; called Hill st. from Middlecot (now Bowdoin) st. to Hancock st. in Selectmen's list, 1788; named Derne st., June 25, 1806.
- Desmond place**, Rox., from 90 Fellows st.
- \***Devens street**, Chsn., 1882; from Washington st. to Main st.; formerly a part of Bow st.; name changed to Devens st., March 1, 1882.

**Devens-street place**, Chsn.; from Devens st., between Rutherford av. and Washington st.

†**Devon street**, Rox., 1880; from Warren st., across Blue Hill av.; laid out from Blue Hill av. to Warren st., Oct. 6, 1880; authority to open part east of Blue Hill av. given by Street Commissioners, Dec. 5, 1893.

**Devon street**, Br.; from Third st. to Fifth st.; shown on atlas of 1882; now in Brighton cattle yards.

\***Devonshire street**, B., 1766; from Dock sq. to Summer st.; from King (now State) st. to Water st. called Pudden or Pudding lane, and from Water st. to Milk st. called Joyliff's or Joylieff's lane, 1708; at one time called Black Jack alley from Water st. to Milk st.; Pudden lane was, after the fire, enlarged into a street named Devonshire st., April 20, 1766, in honor of a merchant of Bristol who generously contributed to aid the sufferers by the fire; so called also in list of 1788; extended from Milk st. to Franklin st. through Theatre alley and Odeon av., June 22, 1857; from Franklin st. to Otis and Winthrop pls., June 26, 1858, and Sept. 3, 1858; to Summer st. through Winthrop pl., April 23, 1861; same part accepted, Oct. 16, 1861; extended, June 25, 1862, and Dec. 30, 1862; extended 50 feet wide through Wilson's lane across Dock (now Adams) sq. to Washington-st., June 6, 1872.

**Dewerson court**, So. B.; from Silver st., near C st., north-east.

\***Dewey street**, Dor., 1889; from Blue Hill av. to Howard av.; Damascus st. laid out as Dewey st., May 13, 1889.

**De Witt street**, W. Rox.; near Hyde Park av. and Forest Hills cemetery; authority to open given by Street Commissioners, May 4, 1892.

\***De Wolf street**, Dor., 1880; from Commercial (now Freeport) st. to Downer av.; laid out, June 21, 1880; formerly Austin st., but with no record under that name.

**Dexter court**, Dor., 1874; from Boston st., opposite Clapp pl., west, then north.

**Dexter row**, Chsn.; on Thompson sq., between Green st. and Five Cents Savings Bank.

\***Dexter street**, So. B., 1855; from Dorchester av., near Swett st., to Ellery st.; name of Howard st. changed to Dexter st., Aug. 7, 1855; laid out from Dorchester av. to Ellery st. June 5, 1875.

\***Dickens street**, Dor., 1879; from Adams st., near Dorchester av., east, to Clayton st., at Harrison sq.; laid out and widened, Aug. 25, 1879.

\***Dighton place**, Bri.; south, from Washington st., between Chestnut Hill av. and Eastburn st.; formerly called Winship pl.; laid out as Dighton pl., Dec. 19, 1889.

**Dillaway place**, B., 1840; from Charter st., north-east, nearly opposite Washburn pl.; called Carter pl., 1874.

\***Dillon street**, B., 1887; from Lenox st. to Sawyer st.; formerly known as Trainer court and Winfred court; laid out as Dillon st., Oct. 24, 1887.

\***Dimock street**, Rox., 1884; from Washington st., opposite Codman park, to Amory st.; Codman av. laid out as Dimock st., Oct. 20, 1884.

**Dingley place**, B., 1872; from Fayette st., east of Church st., north-west, past hose-house, then east, then south-east to Fayette st.; part to hose-house formerly a part of Knox st., as laid out, Sept. 29, 1868; part of Knox st. from Church st., north, built over, and balance north of Church st. included in Dingley pl., 1869.

**Dindale's alley**, B.; from Milk st. to Franklin st.; so called prior to 1796, when it was called Theatre alley; included in Devonshire st. in 1859.



- Distill-House square**, B., 1743; from Sudbury st., north-west, to Mill-pond, then south-west to the bottom of Hawkins st.; also called Distillers sq.; called Still-house sq. in Selectmen's list, 1788; a portion known as Bog lane at one time; part included in Ivers st., 1820; name of remaining part changed to Adams st., Sept. 9, 1850, and to Bowker st., 1868.
- Distill-House street**, B., 1826; from Washington st. to Harrison av., 1826; called Indiana st., 1844.
- †**Ditson street**, Dor., 1882; from Charles st. across Westville st.; laid out, Nov. 4, 1882, from Charles st. to Westville st.
- Division street**, B., 1869; from Northampton st. to Chester park (now Massachusetts av.), with arm at right angle extending to Harrison av., with three openings into Northampton st.; named Division st., July 26, 1869.
- \***Division street**, So. B., 1873; from Dorchester av. at its junction with Broadway, west, to Foundry st.; laid out, Oct. 1, 1873.
- Dix avenue**, Bri., 1875; from Union st., south-west, near Madison av.
- \***Dix place**, B., 1846; from Washington st., north-west, opposite Harvard st.; called Dutch lane prior to 1823; Orange court, 1823; Orange court from Washington st. towards Johnson school-house named Dix pl., March 30, 1846.
- \***Dix street**, Dor., 1877; from Adams st., near Centre st., to Dorchester av.; laid out from Adams st., May 21, 1877; extended to Dorchester av., including Luelner pl., Oct. 2, 1877.
- \***Doane street**, B., 1806; from Kilby st. to Broad st.; Doane's wharf prior to 1806; by request of abutters, Selectmen record same as a public street with name of Doane st., June 11, 1806.
- \***Dock square**, B., 1708; between Adams sq. and Faneuil Hall sq.; the square between the houses of Eliakim Hutchinson and Mr. Pemberton on one side and Kenney's shops and Meer's corner on the other near the Town Dock, 1708; committee report that Town Dock belonged to Town, and recommended that Town fill up same and lay out suitable way, 1775; between Cornhill, west end of Faneuil Hall, then Market sq. and King's Tavern, including the block of stores in the centre, 1800; portion discontinued, 1852; westerly end called Adams sq., 1879.
- Doherty court**, E.B.; from Everett st., near Lamson st., north-east.
- Dolan court**, Rox.; from Norfolk av., near N.Y. & N.E. R.R., south-west; included in laying out of Marshfield st., July 5, 1890.
- Don street**, Dor.; from Lauriat av. to Chapman av.; authority to open given by Street Commissioners, Sept. 14, 1894.
- Donovan's court**, Chsn.; from Mead st., near Bunker Hill st., south-east.
- Doody's court**, Dor.; from Geneva av., near Columbia st.
- Doolin place**, So. B.; from W. Third st., south-west, between D st. and E st.
- \***Dorchester avenue**, So. B. and Dor., 1854; from Federal-st. bridge to junction Adams st. and Washington st. at Lower Mills; shown as an unnamed avenue on plan dated, 1811; formerly called Dorchester turnpike and sometimes, though improperly, South Boston turnpike, and the part from dividing line between Boston and Dorchester to Federal-st. bridge called Turnpike st.; Turnpike st. from Federal-st. bridge to dividing line between Boston and Dorchester named Dorchester av., March 27, 1854; part in Dorchester laid out and located, April, 1854; lines changed in neighborhood of Crescent av. and Pond (now E. Cottage) st., Sept. 8, 1865; name of part formerly Turnpike st. and Dorchester av. to dividing line between Boston and Dorchester changed to Federal st. in continuation of that street, Feb. 13, 1866; same renamed Dorchester av., March 1, 1870; relocated from Commercial (now Freeport) st. to Adams st., Aug. 18, 1881; relocated from Field's corner to the Lower Mills, May 12, 1884.

- Dorchester road**, Dor., 1809; see plan, L. 33, f. 177, Norfolk Registry.
- Dorchester square**, Dor., 1872; between Church, Winter, Adams, and Bowdoin sts.; Meeting House Hill called Dorchester sq., Dec. 28, 1872.
- Dorchester street**, B.; from Washington st. to Tremont st.; Brookline st. so called previous to 1826; named W. Brookline st., 1868.
- \***Dorchester street**, So. B., 1804; from junction Swett, Boston, and Preble sts. and Dorchester av. (now Andrew sq.), to W. First st. (with proposed extension to I st.); shown on plan dated Oct. 4, 1804, beginning on line which divides South Boston from Dorchester at the place "where the present road over the marsh and causeway crosses division line, thence running north, 63 degrees, 42 chains and 20 links, and 80 feet wide;" on annexation of part of Dorchester with name of South Boston, the principal street from the dividing line, north-easterly, named Dorchester st., Feb. 27, 1805; committee authorized to complete so much "as they may think expedient," May 19, 1819; completed from Broadway to First st., Nov. 7, 1821; street "running from Dorchester line to the water, in a north-easterly direction, formerly called Dorchester st., and recently Mather st. and Boston st.," named Dorchester st. throughout, July 3, 1855; lines defined between Eighth st. and O.C. (now N.Y., N.H. & H.) R.R., Dec. 15, 1863; laid out from I st. to line between Boston and Dorchester, Nov. 17, 1868; part between Dorchester av. and Boston st. (at Mt. Vernon st.) named Boston st., Oct. 7, 1873.
- Dorchester turnpike**, Dor., 1805; from Milton bridge to Nook point; see Stat., March 4, 1805; "Turnpike to Boston;" laid out and located as public way, April 22, 1854; called Dorchester av.
- Dorchesterway**, Dor., 1892; part of Parkway, from Edward Everett sq. to the water in Old Harbor; named, 1892.
- Dorr street**, So. B., 1864; from 448 Dorchester av., near D st., south-east, crossing Ames st.; shown as an unnamed street on plan, 1854.
- \***Dorr street**, Rox., 1833; from Highland st. to Ascension st. (now Lambert av.); laid out and accepted, Dec. 8, 1871.
- \***Dorrance street**, Chsn., 1863; from junction Mystic av. and Main st. to Arlington av.; from Main st., laid out and accepted, Dec. 24, 1868.
- \***Dorset street**, Dor.; from Boston st. to Dorchester av., opposite Locust st.; laid out, Aug. 8, 1888.
- \***Dorsett's alley**, B.; opinion of town advocate that the way was a town way, Nov. 11, 1807; same as Dassett's alley; included in Brattle st. in 1820.
- Douglas street**, So. B., 1860; from E. Eighth st., near G st., to E. Ninth st.
- Douglass avenue**, Rox.; from Mall st., between Dayton av. and Harrison av., to Webber st.; called also Mall-st. pl. in 1873.
- Douglass court**, B., 1872; from Endicott st., east; called Endicott-st. pl., 1837; Douglass court, 1872.
- Dove court**, Rox.; from Dove st., south-west.
- \***Dove street**, So. B., 1862; from Dorchester st., between W. First st. and W. Second st., to E st.; report recommending acceptance from Dorchester st. to F st. on certain conditions, July 28, 1862; same laid out and accepted, Sept. 11, 1878; laid out from E st. to F st., July 2, 1885.
- \***Dove street**, Rox., 1853; from Blue Hill av. to Cherry (now Dacia) st.; laid out and accepted, July 29, 1879.
- Dover place**, B., 1848; from Dover st., south, then east to Harrison av.; called Granite pl., 1844; Dover pl., 1848; Dover-st. pl., 1861; laid out with name of Fay st., Nov. 9, 1877.

- \***Dover street**, B., 1834; from Tremont st. to N.Y., N.H. & H. R.R.; laid out from Orange (now Washington) st. to South bridge on Front st. (now Harrison av.), but not named, July 11, 1804; extended to Tremont st. and named Dover st., Nov. 10, 1834; from Washington st. to South Boston bridge, including South Bridge st. (sometimes called Bridge st. and also E. Dover st.), 1839; laid out over tide-water, from Albany st. to location of O.C. (now N.Y., N.H. & H.) R.R., Aug. 16, 1876.
- \***Dover-street bridge**, B., 1839; from Front st. (now Harrison av.) to South Boston; called South bridge and South Boston bridge, 1805; made part of Dover st., Aug. 16, 1876.
- Dover-street place**, B., 1861; from E. Dover st., south, then east to Harrison av.; called Granite pl., 1844; Dover pl., 1848; Dover-st. pl., 1861; laid out with name of Fay st., Nov. 9, 1877.
- †**Downer avenue**, Dor., 1871; from Pleasant st., near Hancock st., to Sawyer av.; laid out from Pleasant st. 284 feet crossing end of De Wolf st., Dec. 13, 1879.
- Downer court**, Dor.; from 253 Hancock st., near Draper court, north-west.
- Downer place**, Dor.; from Hancock st., near Adams st.
- \***Downer street**, Rox.; 1866; from Tremont st. (now Huntington av.), north-east, near Brookline line, and parallel with Muddy River; laid out, Nov. 9, 1877; included in Riverway, April 30, 1890.
- Downing place**, Rox.; from 159 Vernon st.
- \***Downing street**, Rox., 1884; from Culvert st. to Vernon st.; Culvert pl. laid out and named Downing st., Aug. 29, 1884.
- \***Dracut street**, Dor., 1890; from Dorchester av. to Wrentham (now Bruce) st.; Dell st. laid out as Dracut st., April 19, 1890.
- Drake street**, E.B., from 96 Chelsea st. to Paris st.
- \***Draper court**, Dor., 1807; from Eaton sq., near Quincy st., north west; located, May 18, 1807.
- †**Draper street**, Dor., 1871; from Arcadia st., north-west, crossing Westville st. and Robinson st.; laid out from Robinson st. to Arcadia st., Nov. 10, 1871; authority to open part between Homes av. and Bowdoin st. given by Street Commissioners, Aug. 2, 1894.
- Draper street**, W. Rox., 1872; from Beech st., north-east, between Anawan av. and West Roxbury Branch R.R.; shown only on plan of Anawan Land Co., dated June, 1872.
- Draper's alley**, B., 1734; from Brattle sq. to Cornhill; called also Boylston's alley; included in extension of Washington st., 1872.
- Draper's lane**, B., from Newland st. to Ivanhoe st.
- Draw-Bridge**, B.; over the Mill creek, in Ann (now North) st.; rebuilt about 1688.
- Draw-Bridge street**, B.; Ann (now North) st. was at one time so called.
- Drew place**, Rox.; from Ruggles st., near Windsor st., north-east.
- Drisko street**, Rox., 1871; from Parker st., crossing Huntington av., south-east.
- Dromey avenue**, Dor.; from Brookford st., crossing end of Judson st., and to Brookford st. again.
- Druid street**, Dor.; from Morton st. to Codman st.; authority to open part given by Street Commissioners, May 5, 1893, and June 7, 1893.
- Drum lane**, B.; from the Mill-pond, east, to the sea; now Cross st.
- Drury place**, Rox., 1874; from Parker st., nearly opposite Delle av., to Terrace st.; laid out as a public street with name of Oscar st., Aug. 19, 1881.

- Duck lane**, Bri.; from Western av., north-east, to Smith st., near and parallel with, North Harvard st.
- Dudley avenue**, W. Rox., 1871; from Washington st. (formerly Shawmut av.) across B. & P. (now N.Y., N.H. & H.) R.R. to South st.; called in 1867 Dudley av., and described as leading from South st. to Shawmut av.
- Dudley place**, Rox., 1855; from Dudley st., north, near Putnam st., then both east and west.
- \***Dudley street**, Rox. and Dor., 1662; from Eliot sq., in Roxbury, to junction of Hancock, Boston, and Stoughton sts., in Dorchester, and a piece in Roxbury, now called Dearborn st., running north from a point opposite Mt. Pleasant av. to Eustis st.; located from Guild row to Dorchester brook, Jan. 19, 1662; part in Roxbury, from Guild row to Roxbury st. at Eliot sq., opened and called Dudley st., prior to 1825; named "from parting stone by James Riley's store, through Dudley st. by Samuel Weld's to Eustis st.," May 9, 1825; straightened, etc., near Greenville st., Oct. 26, 1846; part of Eustis st., from what is now Dearborn st. to Dorchester line named Dudley st., April 21, 1868; name of part of Stoughton st., "from Brooks av. to Upham's corner," changed to Dudley st., June 30, 1874; part in Dorchester sometimes called Lower road to Boston.
- Dudley square**, Rox.; junction Washington and Dudley sts. and Guild row.
- Dumas street**, Dor.; from Willowwood st. to Mascot st.
- Dummers' corner**, B., 1708; cor. of King (now State) st., and Mackerel lane (now Kilby st.) then so called.
- Dummers' corner**, B., 1732; cor. School st. and Governor's alley (Province st.) then so called.
- Dunbar avenue**, Dor.; from Washington st., nearly opposite Roslin st., to Gordon st.
- Dunboy avenue**, Bri.; from Faneuil st. to Bigelow st.; known as Everett st. in 1858; laid out as Dunboy st., Aug. 13, 1889.
- \***Dunboy street**, Bri., 1889; from Faneuil st. to Bigelow st.; known as Everett st. in 1858; Dunboy av. in 1889; Dunboy av. laid out as Dunboy st., Aug. 13, 1889.
- Duncan place**, Dor.; from Duncan st., opposite Fenton st., south-west.
- Duncan street**, Rox., 1873; from Ruggles st., opposite Leon st.
- \***Duncan street**, Dor., 1870; from Leonard st. to Greenwich st., near Field's corner; laid out, Dec. 14, 1893.
- \***Dundee street**, Rox., 1891; from Massachusetts ave. to Dalton st.; laid out from W. Chester park (now Massachusetts av.) to Dalton st., Nov. 2, 1891.
- Dunford street**, Rox.; from Cobden st.; authority to open given by Street Commissioners, Feb. 6, 1893.
- Dunham park**, So. B.; from 65 W. Fifth st.; formerly Webster pl.
- \***Dunham street**, So. B., 1885; from angle in E. Ninth st., south-east of Lowland st., to Old Harbor st.; name of part of E. Ninth st. changed to Dunham st., March 1, 1885.
- Dunkeld street**, Dor.; from Quincy st. to Phipps av.
- Dunlow place**, Rox.; from Dunlow st., near Elmwood st.
- Dunlow street**, Rox., 1868; from Roxbury st. to Elmwood st.; name of High st. changed to Dunlow st., April 21, 1868.
- \***Dunmore street**, Rox., 1884; from Dudley st. to Magazine st.; part of Magazine st., from St. Patrick's church to Dudley st., at Hampden st., named Dunmore st., March 1, 1884.

- Dunreath place**, Rox.; from Warren st., near Montrose av. (now st.), east; laid out as Dunreath st., from Warren st., May 10, 1889.
- \***Dunreath street**, Rox., 1889; from Warren st., near Montrose st.; laid out, May 10, 1889.
- \***Dunstable street**, Chsn., 1881; from Main st. to Rutherford av.; private way called Winchester st., laid out from Rutherford av., and extended to Main st., and named Dunstable st., Nov. 11, 1881.
- Dupee place**, B., 1839; from Friend st., north, near Hanover st., 1839; part included in extension of Washington st., 1872, and the remainder built over.
- \***Dupont street**, Chsn., 1890; from Chelsea st. to Decatur st.; part of Perry st. laid out as Dupont st., Aug. 29, 1890.
- \***Durham street**, B., 1880; from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Jan. 19, 1880.
- \***Dustin street**, Bri., 1890; from Cambridge st. to N. Beacon st.; Gramercy st. laid out as Dustin st., Feb. 20, 1890.
- Dutch lane**, B.; from Washington st., west, near Eliot st.; so called prior to 1823; called Orange court, 1823; named Dix pl., 1846.
- Dutton place**, B., 1857; from Phillips st., near Grove st., north.
- \***Dwight street**, B., 1859; from Shawmut av. to Tremont st.; a part of Groton st., 1826; named Dwight st., April 19, 1859.
- Dyer avenue**, Dor., 1872; (proposed) from Blue Hill av., near Tileston av., north-west.
- Dyer avenue**, So. B.; from W. Third st. to Athens st., near F st.
- Dyer street**, Dor., 1871; from Capen st., east, then south-east, to Evans st.
- Dyke road**, Rox., 1832; from Tide Mill road, south-east, to boundary line between Boston and Roxbury; part of Dyke st., Boston, and now part of Harrison av.
- Dyke street**, B.; ordered to be repaired, etc., from Dedham (now E. Dedham) st., to the east end of the Dyke, June 2, 1835; Front st. (now Harrison av.) continued, spoken of as "lately Dyke st.," Oct., 1835; now a part of Harrison av.
- †**E street**, So. B., 1804; from O.C. (now N.Y., N.H. & H.) R.R. to low-water mark with proposed extension to Eastern av. (now Congress st.); projected "from the boundary line to the sea;" laid out 50 feet wide by Town of Dorchester, from North (now W. Eighth) st. 62 feet to South Boston line, April 11, 1849; laid out from Sullivan (now W. Ninth) st. to low-water mark, Nov. 17, 1868; laid out from W. Ninth st. to the O.C. R.R., Oct. 12, 1892.
- E street**, W. Rox., 1868; from Spring Park av., south, then east, to D st. (now Rockview st.); laid out from Spring Park av. to Hazel st. under name of Enfield st., Aug. 28, 1880; and from Rockview (formerly D) st. to Enfield st., under name of Hazel st., Aug. 28, 1880.
- E street**, Dor., 1892; from Pleasant st. to F (now Bakersfield) st.; authority to open given by Street Commissioners, May 4, 1892; afterwards called Willis st., and laid out under that name from Pleasant st. to Sumner st., Aug. 10, 1893.
- Eagle-Mill place**, Dor.; from River st., opposite Cedar st., south.
- Eagle pass**, Chsn.; from Mead st., north-west, near Russell st.; shown on atlas of 1892.
- Eagle square**, E.B., 1858; space enclosed by Eagle st., Sumner st. and Chelsea st., so called, Nov. 1, 1868.
- Eagle street**, W. Rox.; from Cottage av. to Willet st.

- \***Eagle street**, E.B., 1835; from Border st. to Brooks st., and from Reservoir lot, west of Putnam st., in continuation of part first described to Eagle sq.; land accepted as public highways, at junction of Trenton st. and Eagle st., Lexington st. and Eagle st., and Princeton st. and Eagle st., Nov. 1, 1858; accepted between Border st. and Brooks st., and between Reservoir lands and Chelsea st., April 5, 1859; sometimes called E. Eagle st. and W. Eagle st.
- Earl street**, So. B., 1849; from Dorr st. to O.C. (now N.Y., N.H. & H.) R.R., and thence to W. Ninth st.
- \***East street**, B., 1735; from South st. to Federal st.; called Sea st. in 1819; for date 1735, see Pub. Stats.; from South st. to Sea (now Federal) st., 1822.
- East street**, Rox., 1842; in two parts, viz.: (Blue Hill av.) from Warren st., near Grove Hall, to Eustis (near Dudley) st., at Elm st. (now Mt. Pleasant av.), over part of Dennis st. and (Hampden st.) from Eustis st. at Magazine st. to the Lead Works, at cor. of Davis (now Albany) st., Northern pl. and Swett st.; named, Aug. 29, 1842; name of part from Eustis st. to Warren st. changed to Grove Hall av., Dec. 8, 1851; bounds altered, March 14, 1853, to correspond with laying out by County Commissioners, as shown on plan of Dec. 15, 1852; name of part from Davis st. to Eustis st. changed to Hampden st., April 21, 1868.
- East street**, W. Rox., 1871; from Adams st. to High st.; abandoned.
- \***East street**, Dor., 1840; from Adams st. at Meeting-House Hill to Dorchester av.; named from Mrs. Saunders' to Mr. Glover's store, March 11, 1840.
- East-street place**, B., 1835; from East st., south.
- \***East Broadway**, So. B., 1873; from Dorchester st., opposite W. Broadway, to Q st. (City Point); part of Broadway from Dorchester st. to low-water mark called E. Broadway, Feb. 18, 1873; all that portion east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- \***East Brookline street**, B., 1868; from Washington st. to Albany st.; part of Brookline st. between Washington st. and Albany st. named East Brookline st., April 21, 1868.
- Eastburn place**, Bri.; from 25 Eastburn st.
- \***Eastburn street**, Bri., 1886; from Washington st. to Mt. Vernon st.; private way heretofore known as Worcester st. and as Church st. laid out with name of Eastburn st., June 11, 1886.
- \***East Canton street**, B., 1868; from Washington st. to Albany st.; the part of Canton st. east of Washington st. named E. Canton st., April 21, 1868.
- East Castle street**, B., 1732; from Orange (now Washington) st., east, to the water in 1732; to Front st. (now Harrison av.), 1805; name changed to Motte st., June 23, 1874.
- East Chester avenue**, B., 1869; from Washington st. to Albany st.; E. Chester park, that is between Washington st. and Albany st., named E. Chester av., July 13, 1869; same named Chester park, April 5, 1870; named Massachusetts av., March 1, 1894.
- \***East Chester park**, B., 1858; from Washington st. to Albany st.; the part of Chester park lying east of Harrison av., that is, between Harrison av. and South Bay, named E. Chester park, Nov. 16, 1858; same accepted, Oct. 30, 1860; extended to Albany st., Nov. 17, 1865; Chester park from Washington st. to Harrison av. included in E. Chester park, April 27, 1869; E. Chester park, that is, between Washington st. and Albany st., named E. Chester av., July 13, 1869, and same named Chester park, April 5, 1870; all of E. Chester park named Massachusetts av., March 1, 1894.

- \***East Chester park**, B., Rox., and Dor., 1874; from Albany st. to Boston st. at Five Corners (now Edward Everett sq.); part from Albany st. across the Ox-Bow, extended, Nov. 17, 1865; extended by laying out part from Swett st. to Boston st., Dec. 13, 1878; part from Albany st. to Swett st. laid out, Jan. 4, 1879; named Massachusetts av., March 1, 1894.
- East Chester street**, B.: the part of Chester st. east of Washington st.; sometimes so called prior to 1858.
- East Clinton street**, B., 1856; part of Clinton st., from Commercial st. to Mercantile st., so called in 1856.
- \***East Concord street**, B., 1868; from Washington st. to Albany st.; the part of Concord st., between Washington st. and Albany st., so named, April 21, 1868.
- \***East Cottage street**, Dor., 1893; from Dudley st. to Dorchester av.; part between Dudley st. and Pleasant st. formerly called Cottage st., and part between Pleasant st. and Dorchester av. formerly called Pond st.; both parts named E. Cottage st., March 1, 1893.
- \***East Dedham street**, B., 1868; from Washington st. to Albany st.; the part of Dedham st. between Washington st. and Albany st. so named, April 21, 1868.
- East Dover street**, B., 1834; the part of Dover st. from Washington st. to South Boston bridge (now Dover-st. bridge), sometimes so called 1834-1839.
- \***East Eagle street**, E.B.; part of Eagle st. from Reservoir grounds west of Putnam st. to Eagle sq. sometimes so called.
- \***Eastern avenue**, B., 1843; from Commercial st. to East Boston South Ferry; laid out, Aug. 3, 1880.
- \***Eastern avenue**, B. and So. B., 1868; laid out 100 feet wide from Fort Point channel to land or flats of Boston Wharf Co., 1,150 feet north-east from Mt. Washington av., Nov. 17, 1868; from Broad st. (now Atlantic av.) to Harbor Commissioners' line in Fort Point Channel in continuation of Congress st., Jan. 3, 1874; extended by existing bridge across Fort Point Channel to C st. extended, March 14, 1879; name changed to Congress st., from Atlantic av. to C st., July 12, 1880, taking effect, March 1, 1881.
- \***East Eighth street**, So. B., 1873; from Dorchester st. to O st.; the part of Eighth st. from Dorchester st. to O st. so called, Feb. 18, 1873.
- \***East Fifth street**, So. B., 1873; from G st. to Q st. (City Point); the part of Fifth st. from G st. to low-water mark so called, Feb. 18, 1873; part east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- \***East First street**, So. B., 1873; from H st. to low-water mark (east of P st., but not beyond Q st.); part of First st. so named, Feb. 27, 1805; the part east of H st. so named, Feb. 18, 1873; part east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- \***East Fourth street**, So. B., 1873; from Dorchester st. to Q st. (City Point); the part of Fourth st. between Dorchester st. and low-water mark so called, Feb. 18, 1873; part east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- East High street**, B.; that part of High st. from Fort Hill sq. to junction of Broad st. and Purchase st. sometimes so called.
- \***East Lenox street**, B. and Rox., 1851; from Washington st. to Fellows st.; called Shawmut pl. from Washington st., east, 1849; East Lenox st., 1851; laid out and extended to Harrison av., Sept. 25, 1874; to Fellows st., including Demisa sq., Dec. 8, 1874.
- \***Eastman street**, Dor., 1888; from Boston st. to Elder st.; laid out, Nov. 9, 1888.

- \***East Newton street**, B., 1868; from Washington st. to Albany st.; the part of Newton st. between Washington st. and Albany st. so named, April 21, 1868.
- \***East Ninth street**, So. B., 1873; from Dorchester st. to N st. with proposed extension to O st.; the part of Ninth st. from Dorchester st. to Old Harbor st., and from G st. to N st. so called, Feb. 18, 1873; extended from H st. to Lowland (now Mercer) st. Dec. 29, 1882; laid out as a public street from the angle south-east of Lowland st. to H st., Oct. 6, 1883, and part between Lowland st. and said angle laid out as Burnham st., July 13, 1883; name of part of street as originally laid out from angle south-east of Lowland st. to Old Harbor st. paralleled by the extension of said E. Ninth st. to H st., changed to Dunham st., March 1, 1885.
- East Northampton street**, Rox., 1873; from junction of Island st. and Gerard st., south-easterly, parallel with Allerton st.; shown since 1873 only on directory map for 1884.
- Easton street**, B., 1849; from cor. of Malden st., extended, and Albany st., to a dock in South Bay; named, May 14, 1849; see plan of Neck lands February, 1848; abandoned.
- \***Easton street**, Bri., 1889; from Franklin st. to east of Mansfield st.; formerly called Hill av.; laid out from Franklin st. to Mansfield st., Sept. 10, 1889.
- \***East Orange street**, B., 1840; from Washington st., east, in 1840; probably Orange lane in 1827; to Lehigh st., 1843; between Harrison av. and Lehigh st., called on many old plans Orange st.; accepted from Harrison av. to Albany st., Sept. 27, 1852; accepted, May 26, 1857; name changed to Way st., Dec. 21, 1857; named East Orange st. again, Dec. 30, 1857; named Way st. from Harrison av. to Lehigh st., March 21, 1864; the part between Washington st. and Harrison av. has been discontinued, or is now part of Orange lane.
- \***East Second street**, So. B., 1873; from Dorchester st. to Q st. (City Point); the part of Second st., from Dorchester st. to low-water mark, so called, Feb. 18, 1873; part east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- \***East Seventh street**, So. B., 1873; from G st. to the water, east of O st.; the part of Second st. as above so called, Feb. 18, 1873; part east of Q st., adjoining land of City of Boston, discontinued, Aug. 20, 1885.
- \***East Sixth street**, So. B., 1873; from G st. to Q st. (City Point); part of Sixth st. so called, Feb. 18, 1873; part between G st. and H st. laid out, Oct. 22, 1874; part east of Q st., adjoining land of City of Boston, discontinued, Aug. 20, 1885.
- \***East Springfield street**, B., 1861; from Washington st. to Albany st.; so called on plan dated 1861; part of Springfield st. as above so called, April 21, 1868; part between Harrison av. and Albany st. discontinued, July 10, 1891.
- East Tenth street**, So. B.; (proposed) from proposed extension of H st. to the water east of M st.; included in the Strandway.
- \***East Third street**, So. B., 1873; from Dorchester st. to west side of Independence sq., and from east side of same to Q st. (City Point); part of Third st., east of Dorchester st., to low-water mark so called, Feb. 18, 1873; part east of Q st. adjoining land of City of Boston discontinued, Aug. 20, 1885.
- East Waltham street**, B.; part of the present Waltham st., from Washington st. to Harrison av.; so called in 1850, crossing and including part of what was formerly Adams court.
- East Windsor street**, Rox.; Windsor st., from Cabot st. to Shawmut av., sometimes so called.



- East Worcester street**, B., 1834; from Washington st. to Front st. (now Harrison av.); named Worcester sq., 1851; from Harrison av. to Albany st., 1854, but abandoned in 1861 for site for the new City Hospital.
- Eaton court**, B., 1846; from North Bennet st., near Hanover st., south-west; Eaton pl., sometimes so called.
- Eaton court**, B., 1844; from Gouch (now Norman) st., near Green st., west; now called Eaton pl.
- Eaton court**, Rox., 1869; from Cedar st., near Pynchon st. (now Columbus av.), to Merton pl.; called also Eaton st.; laid out as Newark st., July 22, 1892.
- Eaton place**, B., 1844; from Gouch (now Norman) st., near Green st., north-west; called also Eaton court.
- Eaton place**, B., 1846; from North Bennet st., near Hanover st., south-west; more commonly called Eaton court.
- Eaton square**, Dor., 1880; enclosure bounded by Adams, Bowdoin, Church and Hancock sts.; laid out and named Percival sq., April 7, 1879; named Eaton sq., June 1, 1880; the street now forming the south side of Eaton sq., named as a part of Church st., 1840, was changed to Bowdoin st., March 1, 1882.
- \***Eaton street**, B., 1795; from Chambers st. to North Russell st., 1795; named about 1802; confirmed as a public street, Sept. 15, 1834.
- Eaton street**, Rox.; from Cedar st., near Pynchon st., to Merton pl.; Eaton court sometimes so called; laid out as Newark st., July 22, 1892.
- †**Eaton street**, Rox., 1849; shown on map, 1849, as extending from East (now Hampden) st., south-west, across Yeoman st.; afterwards continued south-east, by a bend past Orchard st. to Adams st.; accepted from Yeoman st. to East st., and named, May 28, 1855; same accepted again according to a new plan, June 30, 1856; that part of Eaton st. from Orchard st. to Adams st. accepted and made part of Orchard st., Nov. 12, 1860; later part from Yeoman st. to Orchard st. called Trask pl.; part from East st. to Yeoman st., named Chadwick st., April 21, 1868; Trask pl. from Yeoman st. to Hartopp pl. (now Ambrose st.) laid out as Chadwick st., May 24 and Dec. 31, 1870; part from Orchard st. to Hartopp pl. laid out as Orchard Park st., Feb. 19, 1876.
- Eaton street**, Dor.; from Tolman st., north-west, between Bloomington st. and Norwood st.
- E street—D street**, W. Rox., 1868; street so called connecting D (now Rockview) st. and E (now Enfield) st., and about 190 feet long; laid out as Hazel st., Aug. 28, 1880.
- Eddy place**, B., 1848; from Tyler st., near Curve st., west.
- Eden place**, Chsn.; from Eden st., near Eden-st. court, south-east.
- \***Eden street**, Chsn., 1826; from Main st., at Hancock sq., to Russell st.; accepted, April 4, 1826.
- Eden-street court**, Chsn.; from 19 Eden st., south-east, to an open space.
- \***Edge Hill street**, Rox.; from Gay Head st. to Round Hill st.; laid out, Nov. 1, 1893.
- Edgerly place**, B., 1841; from Winchester st., between Ferdinand st. and Church st., south.
- \***Edgewood street**, Rox., 1868; from Warren st. to Blue Hill av.; name of Park st. changed to Edgewood st., April 21, 1868; laid out, April 9, 1875.
- Edgeworth place**, E.B.; from Paris st., between Sumner st. and Maverick st., north-west.

- \***Edgeworth street**, Chsn., 1845; from Bunker Hill st. to Prospect st.; laid out and accepted from Bunker Hill st. to Jay (now Tremont) st., Dec. 14, 1859; extended and laid out from Tremont st. to Prospect st., under same name, April 26, 1870.
- \***Edinboro' street**, B., 1839; from Essex st. to Beach st.; laid out, May 18, 1872.
- Edinboro' street**, Rox., 1846; from Cedar st., south-west, parallel with Norfolk and Bristol turnpike (sometimes called Dedham turnpike, and now Washington st.), and then south-east to the turnpike; accepted conditionally, from Cedar st. to Ellis st., Sept. 3, 1855; named Thorn-ton st., April 21, 1868; at one time also called Wiggim st.
- Edmunds court or place**, Chsn.; from Rutherford av. to Lawrence st.; formerly from Rutherford av., north-east, connecting with Brown court; shown as an unnamed street in 1851; called Edmunds pl., 1863 and 1878; called Edmunds court in 1884; laid out from Rutherford av. to Lawrence st., with name of Benedict st., July 2, 1887.
- Edmund place**, B., 1863; from N. Russell st., west, between Parkman st. and Russell pl.
- \***Edson street**, Dor., 1888; from Norfolk st. to Milton av.; Prospect st. laid out as Edson st., Sept. 6, 1888.
- \***Edward Everett square**, Dor., 1894; junction Massachusetts av., Boston st., East Cottage st. and Dorchesterway; Five Corners named Edward Everett sq., Jan. 24, 1894.
- Edward's corner**, B., 1732; cor. of Fish (now Hanover) st., and Wood's lane (now Richmond st.) then so called.
- Edwards place**, Rox.; from 37 Adams st. (Directory); maps and atlases show same as Travers pl.
- Edwin street**, Dor.; from Dorchester av., north of Wrentham st.
- \***Egleston square**, Rox. and W. Rox., 1866; from Walnut av. to Wash-ington st.; laid out from Walnut st. (now Walnut av.), to Shawmut av. (now Washington st.), March 26, 1866; name changed to Seaver st., being a continuation of that street, March 1, 1882; included in extension of Columbus av., Jan. 4, 1895.
- \***Egleston street**, W. Rox., 1890; from School st. to Boylston st.; laid out, June 5, 1890.
- Egmont street**, So. B.; (proposed street) from the proposed extension of B st. to the proposed extension of E st., on the so-called Commonwealth flats.
- Eighth street**, B., 1866; Hereford st. so called on plan.
- \***Eighth street**, So. B., 1804; shown on Badlam's plan, 1804; parallel with Broadway from Dorchester st. easterly to the sea; part west of Dorchester st., crossing end of E st., formerly called North st.; laid out as per said plan and named, Feb. 27, 1805; accepted "as extended by deed of Taylor and Mullyay to City," Dec. 22, 1857; extended to D st., Dec. 31, 1857; accepted as extended 60 feet west of D st., Jan. 29, 1861; name of Goddard st. (from D st. to Dorchester st.) changed to Eighth st., being properly a continuation of same, April 9, 1867; narrow street from D st. to E st., "heretofore improperly called Eighth st.," named Baxter st., April 9, 1867; portion 75 feet east of D st., accepted Sept. 17, 1867; laid out from D st. to Dorchester st. and thence to low-water mark, Nov. 17, 1868; extended north-west from D st., May 4, 1869; named East and West Eighth sts., Feb. 18, 1873.
- Elbow alley**, B., 1708; from Ann st., north and east, to Cross st.; closed.
- Elbow street**, E. B.; from Meridian st., east, then south-east, to Chelsea st., near Maverick sq.
- Elder court or place**, B.; from Brighton st., south-east, between Poplar st. and Allen st.; called Brighton-st. court, 1860; Elder court, 1863; Elder pl., 1868.

- Elder street**, Dor. ; from Humphreys st., east, near E. Cottage st.
- \***Eldon street**, Dor., 1880 ; from Washington st. to Rosseter st. ; laid out from Washington st. to Bowdoin av., Jan. 28, 1880 ; extended from southerly part of Bowdoin av. to northerly part of Bowdoin av. (now Rosseter st.), Sept. 5, 1881.
- \***Eldora street**, Rox. ; from Hillside st. to Sunset st. ; laid out, March 30, 1891.
- Eldredge street**, W. Rox., 1871 ; from Metropolitan av., near Poplar st., south-west.
- \***Eleanor street**, Bri. ; from Cambridge st. to Ridgemont st. ; authority to open given by Street Commissioners, Feb. 2, 1893 ; laid out, Dec. 14, 1894.
- Elgin street**, W. Rox. ; from Centre st., near La Grange st.
- Eliot court**, B., 1829 ; from Eliot st., south ; called Carlton pl., 1838 ; now built over.
- Eliot place**, B., 1845 ; from Eliot st., near Tremont st., north.
- Eliot place**, Rox. ; from Roxbury st., near Gay st., north ; name changed to Malbon pl., April 21, 1868.
- Eliot place**, W. Rox. ; from 39 Eliot st., north-east.
- \***Eliot square**, Rox., 1849 ; unenclosed space between Roxbury, Dudley, Bartlett, Highland and Centre sts. ; named, Dec. 17, 1849.
- \***Eliot street**, B., 1740 ; from Washington st. to Columbus av., at Park sq. ; laid out by owners, 1740 ; across Holyoke (now Tremont) st., east and west, 1750 ; from Orange (now Washington) st. to Pleasant st., 1788, and then called Eliot st. ; Kneeland st. named Eliot st., so that the avenue running from side to side of city might bear the same name, July 16, 1838 ; same part called Kneeland st. again, June 2, 1840 ; extended from Pleasant st. to Columbus av., July 23, 1873.
- \***Eliot street**, W. Rox., 1802 ; from Centre st. to Pond st. ; laid out by Selectmen and accepted, Aug. 17, 1802 ; named, May 9, 1825.
- Eliot's corner**, B., 1708 ; corner of Orange (now Washington) st. and Essex st. then so called.
- Eliot's (Samuel) corner**, B., 1784 ; cor. of Dock sq. and Wilson's lane (now Devonshire st.) then so called.
- Eliot's pasture**, B. ; near Pleasant st. and Eliot st. in former times.
- Elizabeth street**, Dor. ; from Norfolk st., south-east, to Astoria st.
- \***Elko street**, Bri., 1893 ; from Cambridge st. to Sparhawk st. ; Sparhawk av. laid out as Elko st., Aug. 10, 1893.
- Ellery court**, So. B., 1872 ; from Ellery st., near Swett st., north-east.
- \***Ellery street**, So. B., 1855 ; from South Bay, north of Dexter st., south-east, then west to Boston st. ; name of Oak st. changed to Ellery st., Aug. 7, 1855 ; laid out from Dexter st. to Swett st., March 18, 1876 ; laid out from Swett st. to Boston st., Dec. 24, 1879.
- Ellet street**, Dor. ; from Dorchester av. to Adams st.
- \***Ellicott street**, W. Rox., 1856 ; from Walnut st. (later Walnut av.) to Morton st., near Forest Hills st. ; laid out as a public street, Dec. 15, 1880 ; now included in Franklin Park.
- Ellis corner**, B., 1708 ; corner of Newbury (now Washington) st. and Winter st. then so called.
- \***Ellis street**, Rox., 1843 ; from Thornton st. (formerly Edinboro' st.) to Hawthorne st. ; shown in 1849 as extending from Copeland st. (now Hawthorne st.) to Edinboro' st. ; accepted conditionally from Highland st. to Edinboro' st., Sept. 3, 1855 ; part near Highland st. included in Hawthorne st., Dec. 19, 1859.

- Elliston's corner**, B., 1708; cor. Cross st. and Ann (now North) st. then so called.
- Ellits street**, B., 1733; from Charter st. to Love lane (now Tileston st.); called Unity st., 1795.
- Ellsworth place**, W. Rox.; from School st., near Walnut av., south-west.
- Ellsworth street**, Dor.; from Dorchester av., opposite Leeds st., to Commercial (now Freeport) st.
- \***Ellwood street**, Chsn., 1887; from Putnam st., north-east; Mechanic st. laid out as Ellwood st., Sept. 13, 1887.
- Elm avenue**, Rox., 1833; from Eustis st. (now Dudley st. at Blue Hill av.), west, then north-west, then north-east to Dudley st. (at Dearborn st.); usually called Elm st. and that name changed to Mt. Pleasant av., April 21, 1868.
- Elm avenue**, }  
**Elm road**, } Dor.; from Adams st. to Carruth st.
- Elm place**, B., 1850; from 34 Portland st., near Sudbury st., south-west.
- Elm place**, Rox.; Elmwood court from Elmwood st., north-west, so called in 1868 and 1873.
- \***Elm street**, B., 1800; from Hanover st. to Union st. at Dock sq.; called Hudson's lane, 1658; Wing's lane, 1708; Elm st., May 26, 1800.
- Elm street**, E.B.; from Breed st. to Washburn av. (now Walley st.); laid out with name of Leyden st., Aug. 23, 1886.
- Elm street**, Rox., 1850; from Brookline av. to Longwood st. (Longwood st. now in Riverway); later called Pilgrim st., and now included in Longwood av.
- Elm street**, Rox., 1835; road on Mt. Pleasant called Elm st.; accepted provisionally April 6, 1835; name changed to Mt. Pleasant av., April 21, 1868; called also Elm av.
- \***Elm street**, Dor., 1851; from Exchange st. to Everett st.; located, April 7, 1851; accepted, April 21, 1851.
- Elm street**, W. Rox.; from Granite (now Cass) st., near railroad toward Ballanakill av. (now Johnson st.); Elm st. now known as Oak av.
- \***Elm street**, W. Rox., 1847; from Green st. to Sedgwick st. (formerly Walker st.); part from Revere st. to Seaverns av. laid out as part of Roanoke av., on plan dated 1847; on map 1849 part from Green st. to Revere st. shown as part of Roanoke av.; Elm st. from Revere st. to Walker st. accepted as a public way, Feb. 3, 1868; again accepted and Selectmen recommended that Hillside av. (from Revere st. to Seaverns av.), with extension to Green st., be laid out and called Elm st., July 25, 1868.
- \***Elm street**, Chsn., 1810; from High st. to Medford st.; land for said street, from High st. to Bunker Hill st., conveyed to Town by Oliver Holden, July 17, 1810, said street having been laid out some years before by Selectmen; called Washington st. prior to this date; continuation from Bunker Hill st. to Medford st. to be accepted by Town when laid out by owner of land satisfactorily to Selectmen, Sept. 15, 1837.
- \***Elm Hill avenue**, Rox., 1852; from Warren st. to Seaver st.; laid out, June 26, 1882.
- Elm lawn**, Dor.; from Centre st., north-west, near Dorchester av.
- Elm road**, }  
**Elm avenue**, } Dor.; from Adams st. to Carruth st.
- Elmer place**, B., 1867; from Salem st., near Prince st., east; part of now included in Hancock school-house yard.

- \***Elmira street**, Bri., 1893; from Murdock st. to George st.; part of Hill st. laid out from Murdock st. to George st. as Elmira st., Nov. 10, 1893.
- \***Elmo street**, Dor., 1871; from Blue Hill av. to and across Erie av. (now Erie st.), then turning and crossing back to the latter street near N.Y. & N.E. R.R.; part from Blue Hill av. to Erie av. crossing "Old Road" laid out as a public street, Oct. 2, 1885; all that part south-east of Erie st. laid out, Nov. 29, 1892.
- Elmont street**, Dor.; from Waterlow st. to Faxon st.
- \***Elmore street**, Rox., 1868; from Washington st. to Walnut av.; laid out, Nov. 6, 1879.
- Elmore park**, Rox.; from 17 Elmore st.
- Elmwood court**, Rox.; from Elmwood st., north-west, then north-east to Leutman pl.; sometimes called also Elm pl.
- Elmwood place**, Rox., 1868; from Elmwood st., south-east.
- †**Elmwood street**, Rox., 1868; from Roxbury st. to Linden Park st.; name of Orange st. between Washington (now Roxbury) st. and Pearl (now King) st. changed to Elmwood st., April 21, 1868; part between Pearl and Clay (now Linden Park) st., now also called Elmwood st., but not public.
- Elmwood street**, W. Rox.; from Baker st., south, near railroad.
- \***Elton street**, Dor.; from Dorchester av. to Sagamore st.; laid out, Dec. 28, 1888.
- \***Emerald street**, B., 1831; from Dover st. to Castle st.; from Dover st., north, 1831; opened and extended, Dec. 8, 1858; extended to Castle st., Dec. 16, 1870.
- Emerson place**, Chsn., 1863; from Hanley st. to Warren st. extended (probably led to manufactory of Charles Emerson, and was closed on extension of Warren st., or soon after).
- Emerson place**, Chsn., 1869; way leading from Park st. to Charles Emerson's place of business, 42 and 46 Park st.; so called by Emerson and authorized by City, Dec. 27, 1869.
- \***Emerson street**, So. B., 1864; from Dorchester st. crossing E. Fourth st. at K st. to M st. and E. Fourth st.; name of "Old Road" from Third st. to Fourth st. changed to Emerson st., March 22, 1864; name of Emerson st. between M and N sts. changed to Fourth st., April 21, 1868; laid out from Third st. between G st. and H st. to M st. at junction with Fourth st., Nov. 17, 1868; extended from E. Third st. to W. Second st. at Dorchester st., May 7, 1872.
- Emery place**, B., 1841; from Warrenton st., near Eliot st., east; closed.
- Emery street**, Dor.; from Washington st., opposite Bailey st., to Milton av.; laid out with name of Stockton st., Dec. 10, 1886.
- Emmet place**, B., 1873; from 9 Blossom st., near Cambridge st., east.
- Emmet place**, E. B.; from 17 Everett st., near Orleans st., south-west.
- Emmet street**, So. B.; from E. Second st. to E. Third st. between I st. and K st.
- Emmons' corner**, B., 1708; corner of Cambridge (now Court) st. and Sudbury st. then so called.
- Endicott court**, B., 1843; from 178 Endicott st., near Thacher st., west.
- \***Endicott street**, B., 1836; from Hanover st., at junction with Salem st., to Causeway st.; part called Mill lane, 1805, and part Mill Pond st., 1807; known as Pond st., from Hanover st. to Charlestown bridge, that is, at Prince st., 1814; name changed to Endicott st., June 13, 1836.

- Endicott-street place**, B., 1737; from Endicott st., east, near Thacher st., north of Pond-st. pl.; called Douglass court, 1872.
- Endicott terrace**, Dor.; from 1653 Dorchester av.
- Endleigh street**, Dor.; from northerly part of Savin Hill av., north-east.
- \***Enfield street**, W. Rox., 1880; from Spring Park av. to Hazel st.; part of E st. laid out as Enfield st., Aug. 28, 1880.
- \***Englewood avenue**, Bri., 1872; from Chestnut Hill av. (formerly Rockland st.), easterly, to former Brookline line (between Strathmore road and Beacon st.); accepted, Dec. 27, 1872.
- Englewood street**, Dor.; from Hillsdale st., at Adams st., west.
- Episcopal avenue**, W. Rox.; from Centre st., north-west, near Myrtle st.; shown in 1882, but not named, north-east of engine-house, and leading from Centre st. towards parsonage of St. John Episcopal Church; now built over.
- Ericsson street**, Dor., 1856; from Walnut st. to Fulton st.; laid out, April 5, 1858, at Port Norfolk (Neponset).
- Erie avenue**, Dor., 1871; from Washington st. to McLellan av. (now McLellan st.); laid out with bridge over N.Y. & N.E. R.R. and named Erie st., Aug. 12, 1885.
- Erie place**, W. Rox.; from School st., near Washington st., south-west.
- Erie street**, B., 1844; from Harrison av. to Albany st.; called Seneca st., 1849.
- Erie street**, E.B.; proposed street from Cottage st., south-east, to Shirley st. (Wood Island).
- \***Erie street**, So. B., 1868; street laid out 50 feet wide from south-west side of street 550 feet north-east of Mt. Washington av. to south-east side of flats of Boston Wharf Co., Nov. 17, 1868; not shown on public maps and apparently never built.
- \***Erie street**, Dor., 1885; from Washington st. to McLellan av. (now McLellan st.); Erie av. laid out as a public street crossing N.Y. & N.E. R.R. with name of Erie st., Aug. 12, 1885; relocated at entrance to Washington st., July 2, 1886.
- Erie terrace**, So. B.; from 162 W. Fourth st.; formerly Humphrey court.
- Erin alley**, E.B.; from Liverpool st. to Border st., near Maverick st.
- Essex avenue**, B.; from Clinton st., near Atlantic av., to Richmond st.
- Essex court**, 1818, } B.; from Essex st., opposite Front st. (now Harrison  
**Essex place**, 1816, } av.); called Essex pl., 1816; Essex court, 1818; Brimmer av. or pl., 1842; included in extension of Harrison av., July 6, 1881.
- \***Essex place**, B., 1809; from Essex st., opposite Columbia st., to Tufts st., laid out from Essex st. to south of where Tufts st. now is, Aug. 17, 1880; part south of Tufts st. discontinued, Aug. 26, 1893.
- \***Essex street**, B., 1708; from Washington st., to Federal st.; from Newbury (now Washington) st., at Eliot's corner to Windmill point, 1708; called also Auchmuty st., 1775; the eastern end was also called Beach st., 1804; extended from South st., through South-st. court, to Federal st., May 5, 1880.
- \***Essex street**, Chsn., 1847; from Hancock sq. to Rutherford av. at Middlesex st.; formerly part of Canal st.; laid out and accepted (from Main st. to Middlesex st.), Dec. 31, 1855.
- Essex street**, Bri.; from Brighton (now Commonwealth) av. (at Cottage Farm), northerly to Charles River.
- Estes avenue**, }  
**Estes place**, } Dor., from Wales pl., north-east, near Puritan av.

- Estes place, B.**; from Summer st. to Congress st.
- \***Etna street, Bri.**, 1893; from North Beacon st. to Elmira st.; part of Lucas st. laid out with name of Etna st., Nov. 10, 1893.
- \***Euclid street, Dor.**, 1872; from Washington st. to Withington st., near Norfolk st.; laid out, Oct. 21, 1882.
- Eugene street, W. Rox.**; from Forest Hills st. to Peter Parley st.; later called Olmstead st.; authority to open under name of Olmstead st., given by Street Commissioners, May 24, 1893.
- Eulita terrace, Bri.**, 1894; from Union st., near Chestnut Hill av., to Winship st.; authority to open given by Street Commissioners, June 6, 1894.
- Eustis place, Rox.**; from Eustis st., near Harrison av., south-west; see plan 1849.
- Eustis place, Rox.**; from 259 Eustis st. (directory).
- \***Eustis street, Rox.**, 1825; from Washington st. to Magazine st.; laid out, Jan. 19, 1662; shown as "Road to Dorchester" in 1796; formerly extended over present location of Mall st.; named from Washington st. by burying-ground to Dorchester line, May 9, 1825; name of Eustis st. between what is now Dearborn st. (opposite Mt. Pleasant av.) and Dorchester line changed to Dudley st., April 21, 1868; name of Orchard st., between Dearborn st. and Adams st., of Proctor st. from East (now Hampden) st., north-west, and of Bradford pl., from East st., south-east, changed to Eustis st., April 21, 1868; extended to Magazine st., Dec. 15, 1873.
- Euston street, Rox.**; from Ivy st. to St. Mary's st. (now closed.)
- Eutaw place, E.B.**; from Marion st., near Eutaw st., south-west; called also Marion court.
- \***Eutaw street, E.B.**, 1834; from Border st. to White st.; first projected from White st. to Meridian st.; extended to Border st., accepted and laid out as public highway, May 31, 1852; accepted at junction of Eutaw st. and White st., Nov. 1, 1858.
- Evandale terrace, Dor.**; from Savin Hill av., east.
- \***Evans street, Dor.**, 1871; from Milton av. to Morton st.; laid out from Milton av. to Nelson st., Nov. 23, 1883; extended from Nelson st. to Forest Hill av. (now Morton st.), Dec. 1, 1884.
- Evelyn avenue, Dor.**; from Blue Hill av. to Norfolk st.; laid out as Evelyn st., June 15, 1892.
- \***Evelyn street, Dor.**, 1892; from Blue Hill av. to Norfolk st.; Evelyn av. laid out as Evelyn st., June 15, 1892.
- \***Everett avenue, Dor.**, 1866; from Stoughton st. to Jerome st.; formerly from Stoughton st. to Hancock st.; laid out in part from Stoughton st. towards Hancock st., Nov. 9, 1877; part leading from Hancock st. to part already public laid out as Jerome st., March 22, 1883.
- Everett court, B.**; from 322 North st., near Clark st., north-west; apparently an archway; called also Everett pl.
- Everett court, E.B.**; from 250 Everett st., north-west of and near Jeffries st., north-east.
- Everett court, Chsn.**; from 45 Everett st., near Medford st., south-east.
- Everett place, B.**, 1853; from 322 North st., west, near Clark st.; called also Everett court, which see.
- Everett place, E.B.**; from Everett st., north-west of Everett court, north-east.
- Everett place, } Bri.**; from Vernon (now Raymond) st., near Everett st.,  
**Everett square, } north**; laid out with name of Westford st., May 18, 1891.

- Everett square**, Bri.; from Westford st., north.
- Everett street**, B., 1866; Exeter st. so called.
- \***Everett street**, E.B., 1836; from Orleans st. to Jeffries st.; order to lay out and accept on fulfilment of certain conditions, April 10, 1854.
- \***Everett street**, Dor., 1851; from Park st. to Mill st.; shown as an unnamed street in 1841; located, April 7, 1851; the report of Selectmen recommending acceptance of said street accepted, April 21, 1851.
- \***Everett street**, W. Rox., 1871; from Elm st. to Call st.; called on plan dated 1871, "Everett st. formerly Starr's lane"; street from Gordon st. at junction with Elm st. to Starr (now Call) st., formerly known as Starr lane, named Everett st., Dec. 4, 1877.
- \***Everett street**, Chsn., 1837; from Bunker Hill st., opposite Concord st., to Medford st.; accepted, March 22, 1841.
- \***Everett street**, Bri., 1846; from North Beacon st. to Western av.; projected from River st. (now Western av.) to North Beacon st., July 22, 1867; accepted, April 26, 1869.
- Everett street**, Bri., 1858; from Faneuil st. to Bigelow st.; laid out by Selectmen, Dec. 18, 1873; known as Dunboy av. in 1889; laid out as Dunboy st., Aug. 13, 1889.
- \***Evergreen street**, Rox.; from 89 Day st., north-west; Atwood ave. laid out as Evergreen st., Aug. 10, 1894.
- Everton street**, Dor., 1876; from Olney st., south-easterly and southerly, to Geneva av.; name of Cottage av. (from Geneva st. (now av.) to Green (now Olney) st., changed to Everton st., Dec. 30, 1876.
- Everton's corner**, B., 1708; Ship (now North) st., near Scarlett's wharf then so called.
- Ewer street**, So. B., 1849; from W. Ninth st. to Dorr st.
- Exchange court**, Chsn.; from Main st., south-west, between Frothingham av. and Dunstable st.
- Exchange lane**, B., 1809; from King (now State) st. to Dock sq.; called Shrimpton's lane, 1708; also sometimes Royal Exchange lane; Exchange lane, 1800; Exchange st., 1870.
- \***Exchange place**, B., 1873; from Congress st. to Kilby st.; name of Lindall st. changed to Exchange pl., Oct. 14, 1873.
- Exchange place**, B., 1854; from Devonshire st. to Congress sq.; made part of Congress sq., Oct. 14, 1873.
- Exchange square**, B., 1818; rear of Congress st. and State st.; called Half-square court, 1708; Salter's court, 1808; Exchange sq., 1818; Congress sq., 1821.
- \***Exchange street**, B., 1817; from State st. to Dock sq.; called Shrimpton's lane, 1708; Royal Exchange lane sometimes previous to 1800; Exchange lane, 1800; Exchange st., 1817.
- Exchange street**, Dor., 1853; from Park st., south-east, parallel with O.C (now N.Y., N.H. & H.) R.R., nearly to Tenean creek.
- Exeter court**, Chsn.; from Sullivan st., near Bartlett st., south-east, with branch north-east to Exeter pl.
- \***Exeter place**, B., 1848; from Harrison av. to Chauncey st.; from Chauncey st., opposite Rowe pl., 1848; accepted, May 7, 1849.
- Exeter place**, Chsn.; from Sullivan st., near Bartlett st., south-east, parallel with Exeter court.
- \***Exeter street**, B., 1863; from Beacon st. to Huntington av.; called Avenue Four in 1866; Exeter st. in 1863; then Everett st.; Exeter st., 1866; laid out as a public street from Beacon st. to southerly side of Commonwealth av., July 24, 1873; from Newbury st. to Commonwealth av., Dec. 6, 1875; from Newbury st. to Boylston st., Oct. 7, 1884; from Boylston st. to Huntington av., July 27, 1886.



- Exeter street**, B., 1809; from Pond (now Bedford) st. to Essex st.; see directory, 1809, and accompanying map upon which the south end of Exeter st. coincides with the south end of the present Chauncey st., and the street extends in a nearly straight line about to the site of the Latin School-house; on Hale's map, 1820, the north end coincides with the present line of Chauncey st.; called Rowe pl., 1825; Rowe st., 1837; Chauncey st., 1856.
- Export street**, B., 1868; from Broad st., near India sq., to India st.; shown on maps of 1848, but not then named.
- \***F street**, So. B., 1804; from W. Eighth st. to low-water mark; laid out and named, Feb. 27, 1805; extended to Eighth st., Nov. 20, 1855; laid out from Eighth st. to low-water mark, Nov. 17, 1868.
- F street**, Dor., 1892; from Stoughton st. to Willis (formerly E) st.; authority to open given by Street Commissioners, May 4, 1892; later called Bakersfield st.
- \***Fabin street**, B., 1839; from Newland st. to Ivanhoe st.; laid out, May 13, 1871.
- Fabyan street**, Dor., 1894; from Blue Hill av. to Back st.; authority to open given by Street Commissioners, Nov. 8, 1894.
- Factory street**, Rox., 1839; from Tremont st. to Stony brook; Vernon st. extended through, May 16, 1842, but shown on plan as Factory st. as late as 1866.
- \***Fairbanks street**, Bri., 1892; from Washington st. to Faneuil st.; laid out, Oct. 19, 1852.
- \***Fairbury street**, Rox., 1894; from Blue Hill av. to Rand st.; laid out, Dec. 14, 1894.
- Fairfax street**, Dor.; from Carruth st., north-east, between Minot st. and Beaumont st.
- Fairfield place**, B., 1853; from Harris st., north.
- \***Fairfield street**, B., 1863; from Beacon st. to Boylston st.; from Beacon st. to Commonwealth av., 1871; same laid out, May 15, 1874; extended to Boylston st., Sept. 29, 1876; also called Sixth st.
- \***Fairland street**, Rox., 1846; from Mt. Pleasant av. to Moreland st.; laid out, Nov. 18, 1878.
- Fairmount street**, Dor.; from Washington st. to Forest Hill av. (now Morton st.).
- Fairmount street**, W. Rox.; from Walnut av., south-east, near Scarborough st.; also called Fairmount av.; now included in Franklin Park.
- Fairmount avenue**, W. Rox., 1860; from Walnut av., south-east, near Scarborough st.; also called Fairmont st.; now included in Franklin Park.
- Fairview street**, Dor.; from Train st. to Frost av.
- †**Fairview street**, W. Rox.; from South st. to Mendum st.; laid out from South st. to beyond Proctor st., Nov. 12, 1886.
- Fairwether's corner**, B., 1708; cor. School st. and Tremont st. then so called.
- \***Falcon street**, E.B.; from Border st. to Glendon st.; laid out from Meridian st. to Border st., Aug. 28, 1880; from Glendon st. to Putnam st., Oct. 15, 1888; and from Meridian st. to Putnam st., Aug. 25, 1891.
- \***Falmouth street**, B. and Rox., 1878; from Gainsborough st. to W. Newton st.; laid out from Camden (now Gainsborough) st. to Dalton st., Oct. 7, 1878; extended from Dalton st. to W. Newton st., June 9,

1882; extended south from Gainsborough st., May 7, 1889; name of part south of W. Chester park (now Massachusetts av.) changed to St. Stephen st., March 1, 1892.

\***Faneuil street**, Bri., 1840; from Market st. to Washington st., at Oak sq.; named, June 15, 1840.

\***Faneuil Hall square**, B., 1855; from Merchants' row, on north and west sides of Faneuil Hall, to Merchants' row, on south side; in 1708 the north side was called the Fish Market; the south, the Corn Market, and the west, the Sheep Market; the north, south, and west sides of Faneuil Hall called Market sq., about 1784; from Merchants' row, on north side of Faneuil Hall, to Merchants' row, on south side, named Faneuil Hall sq., April 25, 1855.

**Faneuil's corner**, B., 1732; cor. King (now State) st. and Merchants' row then so called.

**Fargo street**, So. B.; proposed street from the proposed extension of B st. to the proposed extension of E st., on the so-called Commonwealth flats.

**Farmgate street**, Rox.; from Fisher av. to Parker Hill av.

†**Farnham street**, Rox., 1867; from Hampden st., south-east, crossing Reed (now Reading) st. and Gerard st.; part from East (now Hampden) st. to Reed st. formerly called Foundry st. and name changed to Farnham st., April 20, 1869.

**Farnsworth street**, So. B., from Congress st. to N.Y. and N.E. R.R. piers.

**Farnum place**, Rox.; from Rogers av., west, near Ruggles st.

**Farragut street**, E.B. (Breed's Island); from Washburn av. to Riverside av.; shown on atlas, 1892.

**Farquhar street**, W. Rox.; from Centre st., near Weld st., to South st.

**Farrell place**, So. B.; from W. First st., south-west, between F st. and Dorchester st.

\***Farrington avenue**, Bri., 1879; from Harvard av. to Linden st.; laid out, Sept. 6, 1879.

**Farrington avenue**, W. Rox., 1874; } south-west from and parallel with  
**Farrington street**, W. Rox., 1872; } Beech st., from a point south-east of  
 Anawan av., crossing Anawan av. and Oak (now Kenneth) st. to Clement av.; called Farrington st., 1872; called Farrington av., 1874.

**Farrington street**, W. Rox.; from Beech st. to Rockland st., south-east of and parallel with Washington st.; sometimes called Farrington av.

**Farrington street**, E.B. (Breed's Island); from a junction with Orient av., near Walley st., westerly, to Orient av. again; Bromley's atlas, 1892.

**Farrington street**, W. Rox.; from Park st. to Bellevue st.; laid out as Rutledge st., June 15, 1877.

**Farrington street**, E.B. (Breed's Island); from Orient av. to Orient av. again.

**Farwell avenue**, B.; from Poplar st., near Spring st., to Pike's alley; the westerly end of Pike's alley, 1879.

\***Faulkner street**, Dor., 1887; from Dorchester av. to Freeman st.; laid out, July 28, 1887; formerly Foster st.

**Favre street**, Dor., 1872; from Hersey st., crossing Oakland st.

**Faxon place**, Rox., 1869; from Tremont st., north-east, near Parker st.; laid out, widened and extended to Smith st., with the name of Faxon st., Aug. 25, 1877.

\***Faxon street**, Rox., 1877; from Tremont st. to Smith st.; Faxon pl. from Tremont st., north-easterly, laid out, widened and extended to Smith st., with name of Faxon st., Aug. 25, 1877.

**Faxon street**, E.B. (Breed's Island); from Butler av. to Riverside av.; Bromley's atlas, 1892.

- \***Fay street**, B., 1877; from Dover st., south, then east, to Harrison av.; Granite pl., 1844-48; Dover pl., 1848; Dover-st. pl., 1861; laid out as Fay st., Nov. 9, 1877.
- Fayette avenue**, B., 1825; from Prince st. to Pond (now Endicott) st.; called La Fayette av., 1828.
- Fayette court**, B., 1825; from Washington st., west, south of Avery st.
- Fayette place**, B., 1824; block of houses on Tremont st., between West st. and Boylston st.; called Colonnade row some time after 1824, but without official sanction.
- \***Fayette street**, B., 1824; from Pleasant st. to Ferdinand st.; S. Allen st. called Fayette st., 1824; laid out from Pleasant st. to the water, May 29, 1848.
- Federal court**, B., 1817; from Union and Hanover sts. to the Mills; called N. Federal court in 1817; discontinued in 1857, and closed and built over in 1860.
- Federal court**, B., 1817; from Federal st., opposite Williams (now Matthews) st. to Milton pl.; called S. Federal court in 1817.
- Federal place**, Bri., 1850; from Federal st., west, near East st.; also called Federal-st. pl.
- \***Federal street**, B. and So. B., 1788; from Milk st. to Federal-st. bridge; called Long lane from Milk st. to Cow lane (now High st.), 1708; named Federal st., 1788; extended to Purchase st., May 5, 1836; extended by the foot of Purchase st. to the South Boston North Free Bridge including Sea st., April 30, 1856; part of Dorchester av., formerly called Turnpike st., from Federal-st. bridge to line between Boston and Dorchester, named Federal st., Feb. 13, 1866; laid out from bridge to Dorchester av. and Sea st., Nov. 17, 1868; same part renamed Dorchester av., March 1, 1870.
- \***Federal-street bridge**, B. and So. B.; from Federal (formerly Sea) st. to Turnpike st. on Dorchester av., South Boston; called Sea st., or South Boston North Free Bridge, when opened in 1828.
- Feiling place**, Rox.; from Tremont st., south, between Sterling st. and Weston st.
- Fellows court**, B. and Rox.; north-west from Fellows st., between Northampton st. and Lenox st.
- Fellows place**, Rox.; from Fellows st., north-west, between Hunneman st. and Randall st.
- †**Fellows street**, Rox., 1849; from Northampton st. to Webber st.; laid out from Northampton st. to Hunneman st., Nov. 23, 1874.
- Felton place**, Rox.; from Washington st., south-east, between Palmer st. and Eustis st.
- Fenno place**, Dor.; from Dorchester av., west, near Adams st.
- Fenno street**, Rox., 1894; from Buena Vista st. to Rockland st.; authority to open given by Street Commissioners, May 10, 1894.
- Fenton place**, Dor., 1870; from Fenton st. to Greenwich pl.
- Fenton street**, Dor., 1870; from Duncan st. to Clayton st.
- Fenway**, Rox; the way bordering the Back Bay Fens upon the east and south extending from Boylston st. to Riverway; so named, Dec. 30, 1887.
- \***Fenwick street**, Rox., 1845; from Circuit st. to Hurlbert st.; laid out in part upon a private way known as Circuit pl., Jan. 14, 1884.
- Fenwick road**, Bri., 1891; between Chestnut Hill av. and Commonwealth av.; authority to open given by Street Commissioners, Oct. 1, 1891.
- \***Ferdinand street**, B., 1863; from Columbus av. to Tremont st.; laid out from Chandler st. to Columbus av., Oct. 26, 1869.

Fern place, Bri.; on Rockland st. and High School pl.; sometimes called Academy Hill.

\*Fern street, Bri.; from Franklin st. to Holton (formerly Pleasant) st.; laid out, Aug. 30, 1887.

\*Ferrin street, Chsn., 1845; from Bunker Hill st. to Chelsea st.; laid out from Bunker Hill st. to Edgeworth st., June 6, 1853; south-east of Edgeworth st., June 2, 1878; extended to Chelsea st., June 16, 1884.

Ferry court, B., 1857; from Ferry st.

\*Ferry street, B., 1842; from North st. to Fulton st.; called Persia st., 1831; laid out and named Ferry st., Aug. 1, 1842.

Ferry way, B., 1708; from Hudson's point to the Mill stream; from the west end of Lyn st. round the beach to Ferry wharf, 1732; to Charlestown ferry, 1784; made part of Lynn st., 1784; now part of Commercial st.

Fessenden court, E.B.; from Webster st., north, between Cottage st. and Orleans st.; also called Fessenden pl.

Fessenden place, E.B., from Webster st., north, between Orleans st. and Cottage st.; also called Fessenden court.

Fessenden street, Dor.; from Norfolk st. to Blue Hill av.

Fessenden street, W. Rox.; from Chestnut av., west, near Green st.

\*Field court (or Field's court), Dor.; from Willow st., north-easterly.

\*Field street, Rox., 1887; from Ruggles st. to Madison court; formerly Russell court; laid out with the name of Field st., Jan. 5, 1887.

\*Field's corner, Dor.; junction of Dorchester av. and Adams st.

Fifth street, Bri., 1882; from Devon st. to Texas st.; now in Brighton cattle yards.

\*Fifth street, So. B., 1805; laid out parallel with Broadway, and named, Feb. 27, 1805; laid out from A st. to Dorchester st., and from H st. to low-water mark, Nov. 17, 1868; from G st. to H st., Dec. 30, 1869; called E. and W. Fifth sts., Feb. 18, 1873.

Fifth street, Chsn., 1838; from Lynde st. to the railroad; laid out from Lynde st. to Front st., Nov. 13, 1860; discontinued and part taken by the Eastern (now B. & M.) R.R. by authority of an act of the Legislature.

Fifth-street place, So. B.; from W. Fifth st., south-west, between Dorchester av. and N.Y. & N.E. R.R.; also called W. Fifth-st. pl.

Fillmore court, B., 1857; from High-st. pl.; partly built over, and the remainder called High-st. pl.

Fillmore place, B., 1859; from Hanover st., east, near Commercial st.; now built over.

\*First street, So. B., 1805; laid out parallel with Broadway and named, Feb. 27, 1805; laid out north-west from Dorchester st., about 530 feet, Oct. 5, 1840; completed from K st. to a point 500 feet west therefrom, Sept. 14, 1847; accepted 500 feet from Dorchester st. towards F st., previous to May 1, 1848; completed from a point 538 feet north-west from Dorchester st. to E st., Sept. 16, 1850; portions between A st. and B st. and between E st. and C st. completed, Sept. 15, 1851; laid out from Foundry st. to Dorchester st. and from H st. to low-water mark, Nov. 17, 1868; called E. and W. First sts., Feb. 18, 1873.

First street, Chsn., 1838; from junction Austin st. and Lynde st. to the railroad; laid out from Lynde st. to Front st., Feb. 14, 1848; discontinued as public street and part taken by the Eastern (now B. & M.) R.R., by authority of an act of the Legislature.

Fish lane, B., 1789; from the Town dock to Ann (now North) st.; called Roebuck alley, or passage, 1815; included in Merchants' row, 1825.

- Fish Market**, B., 1708; north side of Dock sq.; part of Market sq. in 1784; now part of Faneuil Hall sq.
- \***Fish street**, B., 1708; from Cross st. to Fleet st.; laid out, Feb. 27, 1730; from Cross st. to Ship (now Commercial) st., 1817; made part of Ann (now North) st., July 6, 1824; North st., 1853.
- Fish street**, Chsn.; now Charles River av.
- Fisher avenue**, Rox., 1868; from Parker st. to Parker Hill av.; from Parker st. to High st. (now Parker Hill av.) called Prospect st., 1849; laid out from Parker st. to Hayden (formerly Short) st., June 28, 1886.
- Fisher's court**, B., 1846; from Washington st., east; now closed.
- Fitche's alley**, B., 1796; from King (now State) st. to Corn market (now Faneuil Hall sq.); called Pierce's alley, 1708; Change alley, 1788; Fitche's alley, 1796; Flagg alley, 1828; Change av., 1841.
- Fitche's corner**, B., 1708; cor. Union st. and Marshall's lane then so called.
- Fitche's corner** (Capt.), B., 1708; cor. King (now State) st. and Peirse's alley (now Change av.) then so called.
- Fitche's lane**, B., 1788; from Cambridge (now Court) st. to Southack's court (now Howard st.); called Stoddard's alley, or lane, in 1722, and again in 1800; Stoddard st. in 1829.
- Flagg alley**, B., 1828; from State st. to Market sq. (now Faneuil Hall sq.); called Pierce's alley, 1708; Change alley, 1788; Fitche's alley, 1796; Flagg alley, 1828; Change av., 1841.
- Flagg street**, Bri.; from Lake st., east, opposite Kenrick st.
- \***Fleet street**, B., 1708; from Hanover st. to Commercial st.; from Middle (now Hanover) st. to the water, 1708; from the Universal-Meeting House to Fish (now Commercial) st., 1817; portion from Ann (now North) st. to Hanover st., once called Scarlett's wharf.
- Fleet's corner**, B., 1800; cor. Cornhill (now Washington st.) and Water st. then so called.
- Fletcher street**, W. Rox.; from South st., opposite Dudley av.
- Flint place**, So. B.; from E. Ninth st., north, between L st. and M st.; called E. Ninth-st. pl. in Bromley's atlas of 1891.
- \***Flint street**, Dor., 1889; from Norfolk st. to N.Y. & N.E. R.R.; laid out, June 11, 1889.
- Flora street**, W. Rox., 1893; from Kenneth st. to Clement av.; authority to open given by Street Commissioners, Nov. 17, 1893.
- Floral place**, B., 1867; from Washington st., west, between Warrenton st. and Common st.
- \***Florence street**, B., 1842; from Washington st. to Harrison av.; called Cobb st., 1840; name changed to Florence st., 1842; accepted conditionally, April 17, 1843; laid out, Oct. 21, 1878.
- †**Florence street**, W. Rox., 1848; from Poplar st. to Mt. Hope station, and from Hyde Park av. to Bourne st.; part from railroad to Bourne st. also called Stony Brook av. part adjoining west side of location of B. & P. (now N.Y., N.H. & H.) R.R., near Blakemore st., at Mt. Hope, discontinued, May 26, 1884.
- Flounder alley** (or lane), B., 1708; from the foot of Summer st., northeast, by the water; from Bull's wharf to Adams' wharf, thence west to Belcher's lane, 1722; a portion included in Broad st., 1833; the remainder discontinued, 1856.
- \***Follen street**, B., 1882; from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Dec. 27, 1882.

- Folsom avenue**, Rox.; from Parker st., west, between Hillside st. and Alleghany st.
- Folsom place**, Rox., 1868; from Conant st. to end of Whitney st.; laid out as part of Whitney st., July 15, 1876.
- Folsom street**, W. Rox., 1873; from Neponset av. to Mt. Hope st.
- \***Folsom street**, Dor., 1884; from Dudley st., south-west, between Howard av. and Magnolia st.; Woodward park laid out with name of Folsom st., Aug. 5, 1884.
- Forbes avenue** or **place**, W. Rox.; from Chestnut av. to end of Bowe st.; formerly a part of Bowe st.; laid out as part of Forbes st., July 28, 1890.
- \***Forbes street**, Rox. and W. Rox., 1890; from Centre st. to Chestnut av.; Bowe st. and a part of Forbes pl. laid out as Forbes st., July 28, 1890.
- \***Ford street**, E.B. (Breed's Island), 1886; from Saratoga st. to Breed st.; laid out, Aug. 23, 1886.
- †**Ford's Run**, B., 1854; from S. Market st. to Clinton st.; 65 feet of north end laid out, July, 1854; from S. Market st. to Clinton st., 1860.
- Fore street**, B., 1789; probably Fish st., so called; the earliest name by which what is now North st. was called; was also at one time called Front st.
- Forest avenue**, Rox., 1850; from Warren st., east, between Rockville pl. and Montrose st.; included in Whiting st., March 19, 1884.
- Forest place**, Rox.; from Forest st., north-east.
- Forest place**, Chsn.; from Eden st., north-west, near Russell st.
- \***Forest street**, Rox., 1868; from 14 to 144 Mt. Pleasant av.; formerly called Chestnut st., and as such laid out, March 11, 1840; named Forest st., April 21, 1868.
- \***Forest Hill avenue**, Dor. and W. Rox., 1852; from River st. (Lower Mills) to Norfolk st.; laid out from northerly end of Neponset st., crossing Norfolk st., through Madison st., crossing Back st., to a point on Canterbury st. opposite Morton st., Aug., 1852; part from Norfolk st. to Canterbury st. called Madison st. and Austin st.; name changed to Morton st., March 1, 1888.
- Forest Hills avenue**, W. Rox.; from Morton st. to the cemetery; also called Glenway.
- \***Forest Hills street**, W. Rox., 1848; from Washington st. to Morton st.; called Curtis st. previous to 1848; earlier called Jube's lane or road leading to Rocky swamp, or Rocky Swamp road. This, with Amory (formerly School) st. in Roxbury and West Roxbury, formed a continuous road sometimes called the road leading to Gamblin's end, a part of which was discontinued or abandoned at the time of the laying out, in 1804, of the Norfolk and Bristol turnpike (later Shawmut av., now Washington st.); named Forest Hill st., June 26, 1848; part of, from Washington st. to Scarboro' st., named Morton st., Dec. 5, 1859; Forest Hill st. named Forest Hills st., Nov. 5, 1860.
- Forster's court**, Chsn.; from Union st., south-west, between Main st. and Rutherford av.; also called Foster's court.
- Fort avenue**, B., 1847; from Harrison av., north-west, between Fay st. and Ashland pl.
- \***Fort avenue**, Rox., 1825; from Highland st. to Centre st.; laid out, Nov. 4, 1875.
- Fort Field**, B.; an early name for Fort Hill.
- Fort Hill**, B., 1632; an eminence in the eastern part of the town; previously Corn Hill and Fort Field; levelled, 1868.
- Fort street**, B.; an early name for Milk st.

- \***Fort Hill square**, B., 1875; between Oliver st. and High st., where Fort Hill formerly stood; Washington pl., 1808; Washington sq., 1837; park in the centre of Washington sq., between Oliver st. and High st., named Fort Hill sq., Dec. 15, 1875.
- Forty-foot passage**, B., 1800; Allen's lane or st., along the front of the ropewalks to Blanchard's wharf then so called.
- \***Foss street**, Chsn., 1869; from Chelsea st. to Water st.; laid out and named, Aug. 18, 1869.
- Foster court**, B., 1826; from Tremont st., west, between Boylston st. and Eliot st.; called Foster pl., or S. Foster pl., 1831; Van Rensselaer pl., 1852.
- Foster court**, B.; from Foster st.
- Foster place**, B., 1823; from Foster st., south-east, near Charter st.; named Foster pl., July 8, 1829.
- \***Foster street**, B., 1800; from Charter st. to Commercial st.; called Sliding alley, 1708; Foster lane, 1741; Fuller st., 1795; Brewer's Hill, 1800; Foster st., 1800; from Lynn st. to low-water mark staked out by Town, May 22, 1807; same part confirmed as a street, in continuation of Foster's lane, March 17, 1819; north end of Foster st., from Commercial st. to the dock, discontinued, Jan. 3, 1856.
- Foster street**, Dor.; from Dorchester av. to Freeman st.; laid out, with name of Faulkner st., July 28, 1887.
- \***Foster street**, Bri., 1848; from South st., crossing Washington st. to Surrey st.; Proprietors Way 1814; laid out as Seaver lane by Selectmen, Aug. 1, 1842; named Foster st., Nov. 20, 1848; laid out (straightened, etc.), April 29, 1853; accepted, Sept. 5, 1853; extended from Washington st. to Surrey st., Sept. 4, 1884.
- Foster's lane**, B., 1732; from North st. to Ship (now Commercial) st.; named 1732; called Clark st. in 1788 and 1789, 1795 and 1800, and thereafter.
- Foster-street slip**, B., 1819; from Commercial st. to the water; discontinued in 1856.
- Foundry avenue**, So. B.; from Foundry st., east, between W. Fourth st. and Swan st.; discontinued and taken into the property of the O.C. (now N.Y., N.H. and H.) R.R. by authority of an act of the Legislature of 1893.
- Foundry square**, So. B.; between Swan, Foundry, and W. Fourth sts., entered from southerly side of W. Fourth st.; discontinued and taken into property of the O.C. (now N.Y., N.H. and H.) R.R. by authority of an act of the Legislature of 1893.
- \***Foundry street**, Rox., 1865; from East (now Hampden) st. to Reed (now Reading) st.; accepted, Dec. 30, 1867; name changed to Farnham st., April 20, 1869.
- \***Foundry street**, So. B., 1854; from Dorchester av., south, then curving east to Dorchester av. again; accepted from Fourth (now W. Fourth) st. to Swan st., Dec. 18, 1854; accepted and laid out from Swan st. to about 150 feet from southerly line of Sixth (now W. Sixth) st., Nov. 20, 1855; laid out from Federal st. (now Dorchester av.), to O.C. (now N.Y., N.H. and H.) R.R., Nov. 17, 1868; name of Foundry st. extended over street leading from Fourth (now W. Fourth) st., to Dorchester av., near Sixth (now W. Sixth) st., March 11, 1873; part south of W. Fourth st. discontinued and taken into property of O.C. (now N.Y., N.H. & H.) R.R., by authority of an act of the Legislature of 1893.
- Fountain place**, Rox., 1872; from Fountain st., easterly.
- Fountain place**, B., 1853; from Hanover st., west, near Charter st.

- Fountain square**, Rox., 1852; public square bounded by Walnut av., and Townsend, Harold, and Munroe sts.; laid out and dedicated to public use, Jan. 26, 1852.
- Fountain square**, Rox.; from Fountain st., westerly.
- \***Fountain street**, Rox., 1845; from Circuit st. to Regent st.; laid out, April 2, 1875.
- Fountain Hill place** (or **Fountain Hill**), Rox.; from Fountain st., easterly.
- \***Fourth street**, So. B., 1805; laid out parallel with Broadway, and named, Feb. 27, 1805; finished acceptance and laying out, April 25, 1831; name of Emerson st., between M st. and N st., changed to Fourth st., April 21, 1868; laid out from Dover-st. bridge to Dorchester st., and thence to low-water mark, Nov. 17, 1868; called E. and W. Fourth sts., Feb. 18, 1873.
- Fourth street**, Chsn., 1838; from Lynde st. to Front st.; one of the boundaries of Lynde st., mentioned as "Union st., otherwise called Fourth st.," but shown on plan of Eastern R.R. property in 1874; part taken by the Eastern (now B. & M.) R.R., by authority of an act of the Legislature.
- Fourth street**, Bri., 1882; from Devon st. to Texas st.; now in Brighton cattle yards.
- Fourth-street court**, So. B.; from W. Fourth st., north-easterly, near B st.
- Fourth-street place**, So. B., from E. Fourth st., southerly, near G st.
- Fowler street**, Dor., 1894; from Glenway st. to Greenwood st.; authority to open given by Street Commissioners, Oct. 24, 1894.
- Fox avenue**, Dor., 1861; from Adams st. to Percival av. (now Percival st.); laid out with the name of Fox st., March 21, 1888.
- \***Fox street**, Dor., 1888; from Adams st. to Percival st. (formerly Percival av.); formerly Fox av.; laid out, March 21, 1888.
- Fox hill**, B., 1722; on the Back Bay shore, about opposite the centre of the Common; levelled.
- Francis place**, B., 1851; from Hanover st., near Cross st.
- \***Francis street**, Rox., 1833; from Tremont st., at its junction with Huntington av., crossing Brookline av., to Bellevue st.; laid out north-west of Brookline av., from said avenue over a way called Longwood st., to the angle therein at which it turned towards Longwood av., by the Street Commissioners, Oct. 19, 1874; part north-west of Bellevue st. taken into the Riverway.
- Frankfort street**, E.B., 1893; from Prescott st. to the Parkway; authority to open given by Street Commissioners, April 21, 1893.
- Frankfort street**, E.B., 1845; from Maverick st. to Bennington st., at its junction with Swift st.
- \***Franklin avenue**, B., 1817; from Court st. to Brattle st.; called Brattle st., 1708; Brattle's alley or lane, 1722; Dasset's or Dorset's alley, 1789; from the court-house to Brattle sq. called Franklin av., 1817.
- Franklin avenue**, W. Rox., 1851; from Centre st., opposite the Arnold Arboretum, north-west, then curving northerly; called "Franklin av. or Allendale st.," on plan dated 1857.
- Franklin avenue**, W. Rox., 1870; from Spring st., south-east, near Charles River; called also Franklin st.; laid out as Billings st., Sept. 28, 1888.
- Franklin court**, Dor.; from Norfolk av., near E. Cottage st., north-easterly.
- Franklin Park**, W. Rox.; between Seaver st. and Morton st. and Blue Hill av. and Walnut av. and Forest Hills st.



- Franklin Park**, W. Rox., 1870; parallel with and south-east of Spring st., near Charles River, and bounded by Franklin (now Billings), Prospect, Washington, and Hamilton sts.
- Franklin Park terrace**, W. Rox., 1893; from Walnut av., near and north of Peter Parley st.; authority to open given by Street Commissioners, May 24, 1893; called Park lane, 1894.
- Franklin place**, B., 1792; from Franklin st. to Federal st.; one side of the present Franklin st., the other side being originally called "The Tontine Crescent;" from Bishop's alley (now Hawley st.) to Federal st., 1800; made part of Franklin st., Sept. 21, 1858.
- Franklin place**, Rox., 1848; from Tremont st., north-west, between Cunard st. and Milford pl. (now Sarsfield st.); laid out as Walpole st., Nov. 16, 1881.
- Franklin square**, B., 1845; open space bounded by Washington, E. Brookline, James and E. Newton sts.; laid out, 1834; name of Shawmut sq. changed to Franklin sq., April 21, 1845; called Shawmut sq., 1847-49; Franklin sq., 1849.
- \***Franklin street**, B., 1798; from Washington st. to Broad st.; called Vincent's lane, from Marlboro' (now Washington) st. to Bishop's alley (now Hawley st.), 1777; called Franklin st., 1798, and part from Bishop's alley to Federal st. laid out the same year with an oval enclosure 300 ft. long in the centre, on one side of which was Franklin pl., and on the other the Tontine Crescent, a block of sixteen dwelling houses; confirmed as a public street, Sept. 15, 1834; Franklin pl. and enclosure made part of Franklin st., Sept. 21, 1858; part formerly called Franklin pl., from Hawley st. to New Devonshire st., including centre of Franklin st., heretofore enclosed, accepted, May 31, 1859; extended to Pearl st., at Sturgis st., April 18, 1873; name of Sturgis st., from Oliver st. to Broad st., changed to Franklin st., Sept. 30, 1873; the part called Sturgis st. included a part of Hamilton court and the whole of Sturgis pl. and Baker's alley.
- \***Franklin street**, Chsn., 1824; from Main st. to High st.; Bolton st., from Main st. to High st., accepted, May 5, 1824, and "now known as Franklin st." (1824), but no record of change of name.
- \***Franklin street**, Dor., 1845; from Roxbury line to Cottage (now E. Cottage) st.; accepted conditionally, May 2, 1853; laid out by County Commissioners, July, 1854; name changed to Norfolk av., being a continuation of same, Dec. 21, 1875.
- Franklin street**, Dor., 1854; from Fulton st. to Taylor st.
- Franklin street**, Dor., 1850; from Adams st. to Milton st.; Malvern st. supposed to have been so called.
- \***Franklin street**, Bri., 1847; from Cambridge st. to N. Harvard st.; known as "Road to Roxbury" in 1815; laid out from Cambridge st. to Harvard st. (now N. Harvard st.), Jan. 15, 1855; accepted and named, May, 28, 1855; laid out from Central or Centre (now Lincoln) st. to Cambridge st., opposite S. Harvard st. (now Harvard av.), in 1859; accepted, Oct. 22, 1879; part between Lincoln st. and Cambridge st. named Lincoln st., being a continuation of the same, April 25, 1876; footway over B. & A. R.R. connecting northerly and southerly parts of street laid out, July 10, 1883; footway under B. & A. R.R. connecting same parts of street laid out, April 21, 1894; overhead bridge taken down, 1894.
- Franklin street**, W. Rox., 1870; from Spring st., south-east, near Charles River; called also Franklin av.; laid out as Billings st., Sept. 28, 1888.
- Frank's court**, B., 1874; from S. May (now Savoy) st., south.
- Frary's corner**, B., 1708; cor. Orange (now Washington) st. and Frog lane (now Boylston st.) then so called.
- Fred street**, Chsn., 1870; from Sherman st., crossing Arlington av., to George st., near and parallel with Somerville line.

- \***Frederick street**, So. B., 1875; from W. Ninth st., south-west, nearly to O.C. (now N.Y., N.H. & H.) R.R.; laid out Oct. 7, 1875.
- \***Fredericka street**, Dor., 1884; from Adams st. to Minot (sometimes called New Minot) st.; laid out, Dec. 24, 1884.
- Freedom court**, Chsn.; from Main st., westerly, near Middlesex st.
- Freeman place**, B., 1846; from Beacon st., north, between Somerset st. and Bowdoin st.
- Freeman street**, Dor., 1871; from Charles st. to Foster (now Faulkner) st.
- Freeman's corner**, B., 1800; cor. Ann (now North) st. and Cross st. then so called.
- Fremont avenue**, Rox., 1856; from Mall st., north-easterly.
- Fremont court**, Chsn.; from Fremont pl., east, near Medford st.
- Fremont place**, Chsn.; from Medford st. to Chauncy pl.
- Fremont place**, Rox., from Dudley st., south-westerly, between Pevear st. and Greenville st.
- Fremont place**, B., 1859; from Pleasant st., east, nearly opposite Claffen pl.; built over, 1873.
- Fremont place**, Dor.; from Fremont st. to Cook court.
- †**Fremont street**, Dor., 1869; from River st. to Blue Hill av.; extension from Norfolk st. to Brush Hill (now Blue Hill) av. laid out, Aug. 12, 1869.
- \***Freeport street**, Dor., 1892; from Hancock st. to Neponset av.; the name of Commercial st. was changed to Freeport st., March 1, 1892.
- French place**, B., 1844; from Essex st., south, near Harrison av.; built over, 1869-70.
- French square** (or **French's square**), So. B.; from (59) W. Fourth st., southerly; discontinued and taken into property of O.C. (now N.Y., N.H. & H.) R.R. by authority of an act of the Legislature of 1893.
- \***Friend steet**, B., 1733; from Union st. to Causeway st.; from Hanover st. to the Mill-pond called Separate lane in 1722; named Friend st., 1733; extended across the Mill-pond to Causeway st., 1807; extended to Dock sq., over part of Scott's (formerly Minot's) court, 1854-55.
- Friend-street court**, B., 1833; from Friend st., west, near Hanover st.; closed in 1849.
- Friend-street court**, B., 1855; from Friend st., north-east, near Travers st.
- Friend-street court**, B., 1828; }  
**Friend-street place**, B., 1833; } from Friend st., west, near Causeway st.
- Frizzell's corner**, B., 1708; in Garden court.
- Frizzell's square**, B.; North sq., at one time so called.
- Frobisher's corner**, B., 1800; cor. Hanover st. and Link alley (afterwards N. Federal court) then so called.
- Frog lane**, B., 1708; from Orange (now Washington) st., west, by the Common, to the water; from Orange st., opposite the old Liberty tree, west, to the new burying-ground, 1800; from Orange st. to the mall called Boylston st., 1809; from the mall to the water called Boylston st., 1812.
- Front street**, B.; the oldest name of the present North st.; called also at the same time Fore st.
- Front street**, B., 1805; from Beach st. to South Boston bridge (now Dover st.); extended to Essex st., through Rainsford lane or st., July 6, 1824; continuation to the dike laid out conditionally, June 3, 1834;

street next the dike (sometimes called Dyke st.), extending from Joshua Davis' land to Northampton st., named Front st., Sept. 15, 1834; new street from South Boston bridge to connect with street lately made from Northampton st. over City land to easterly end of the dike opened for travel, June, 1836; from Northampton st. to Roxbury line accepted and known as continuation of Front st., June, 1836; name of Front st. changed to Harrison av., April 26, 1841.

\***Front street**, Chsn., 1838; from Warren av. to Austin st.; laid out from Austin st. to Boston (now Warren) av.; named and accepted, March 1845.

**Front street**, E.B. (proposed); from proposed part of Porter st. to proposed part of Putnam st., parallel with and next east from B., R.B. & L. R.R.

\***Frothingham avenue**, Chsn., 1869; from Main st. to Rutherford av.; laid out, Oct. 15, 1877.

\***Fruit street**, B., 1822; from Blossom st. to Charles st.; from Blossom st. to Bridge (now N. Anderson) st., 1822; across Bridge st., 1831; accepted conditionally, Aug. 8, 1831; confirmed as a public street, Sept. 15, 1834; to Grove st., 1852; extended from N. Grove st. to Harbor Commissioners' line, May 7, 1860.

**Fruit street**, Chsn., 1828; from Bunker Hill st. to Vine st.

\***Fruit street**, W. Rox., 1867; extended to Weld st. and whole street., from Weld st. to Centre st., accepted, March 25, 1867; now Maple st.

**Fruit-street court**, B., 1833; from Fruit st., northerly, near the hospital.

**Fruit-street place**, B., 1840; from Fruit st., northerly, near the Medical College.

\***Fulda street**, Rox., 1889; from Highland st. to Ellis st.; formerly Nopper st.; laid out, Aug. 27, 1889.

**Fuller street**, B., 1795; Foster st., from Charter st. to Lynn (now Commercial) st.; so called on Carleton's map.

**Fuller street**, B., 1840; from Church st., west; name changed to Grenville pl., 1860.

†**Fuller street**, Dor., 1870; from Forest Hill av. (now Morton st.) to Dorchester av., then, after an interval, continued across Shawmut branch, O.C. (now N.Y., N.H. & H.) R.R. to Carruth st.; laid out from Washington st. to Dorchester av., June 29, 1877; part from Carruth st. to Bushnell st. laid out as Rowena st., Aug. 29, 1889; part of Fuller st., near and west of Washington st., at one time known as Warren pl.

**Fulton court**, B., 1834; from Cross st. to North st.; formerly from Cross st., rear of Ann (now North) st., and Fulton st.

\***Fulton place**, B., 1848; from Fulton st. to North st.; laid out, Oct. 11, 1864.

\***Fulton street**, B., 1827; from Clinton st. to Lewis st.; from Clinton st. to Richmond st., 1827; probably what was called Second st. when laid out from Clinton st. to Cross st., Feb. 22, 1828; from Clinton st. to Richmond st. named Fulton st., Dec. 10, 1832; extended to Lewis st., Nov. 8, 1838; doubts of legality having arisen, extension to Lewis st. laid out again, Oct. 2, 1842.

**Fulton street**, Dor., 1854; from Ericsson st. to Franklin st.

**Furbush court**, Chsn., 1867; from Main st. to Rutherford av.

**Furnace street**, B., 1846; from Federal st. to Cove st.; from South st. to Sea (now Federal) st., 1846; part between South st. and Cove st. in 1883 occupied by O.C. (now N.Y., N.H. & H.) R.R. passenger station.

\***G street**, So. B., 1805; from Dorchester st. to E. Ninth st., with proposed extension to line in Old Harbor; laid out from salt water on the south to the harbor of Boston on the north, and named, Feb. 27, 1805; laid out from Dorchester st. to harbor line in Dorchester bay, Nov. 17, 1868.

- \***Gainsborough street**, Rox., 1886; from B. & P. (now N.Y., N.H. & H.) R.R., opposite Camden st., to Falmouth (now St. Stephen) st.; name of part of Camden st. changed to Gainsborough st., March 1, 1886.
- Gallop's alley**, B., 1708; from Fish (now North) st. to Middle (now Hanover) st.; named Board alley, 1850.
- \***Galena street**, Rox., 1892; from Elmore st. to Kingsbury st.; formerly Grainger st.; laid out, July 6, 1892.
- \***Gannett street**, Rox., 1893; from Holborn st. to Gaston st.; laid out, May 22, 1893; formerly Galena st.
- Garauz place**, B., 1839; from Portland st., east, near Hanover st.; built over about 1883.
- Garden court**, B., 1708; from Bell alley (now Prince st.) to Fleet st.; changed to Garden-court st., from North sq. to Fleet st., some time later than 1817, but no record of change.
- Garden place**, Chsn., 1860; from Eden st. to Mead st.; laid out with the name of Ludlow st., June 30, 1884.
- \***Garden street**, B., 1733; from Cambridge st. to Myrtle st.; laid out from Cambridge st. to the Mount, beginning near the rope-walks at West Boston, 1800; from Cambridge st. to Myrtle st., 1817.
- Garden street**, Rox., 1845; from Tremont st. (now Huntington av.) to Davis st. (now Hillside av.); later called Hillside av. and Wait st.
- Garden street**, Dor., 1864; from Dorchester av., to Buttonwood st.; laid out with the name of Grafton st., March 27, 1882.
- Garden street**, W. Rox., 1870; from Brown av. to Hancock (now Sherwood) st.
- Garden street**, W. Rox.; from Maple st. to Corey st.
- Garden street**, W. Rox., 1852; from Austin (now Centre) st., north-west; afterwards Corey st.
- Garden street**, Bri., 1874; from Market st. to Murdock st.
- \***Garden-court street**, B.; from North sq. to Fleet st.; called Garden st., 1709; no record of naming.
- Garden-street arch**, B., 1859; from Garden st., west, near Cambridge st.
- Garden-street court**, B., 1840; from Garden st., west.
- Gardiner street**, B., 1845; from Tremont st. to Emerald st.; name changed to Paul st., April 21, 1868; sometimes called Gardner st.
- \***Gardiner street**, Chsn., 1858; from Broadway (now Main st.) to Sever st.; also called Gardner st.
- Gardner avenue**, Rox., 1855; from Central av., south-west, then south-east, near Warren st. and Blue Hill av.
- Gardner avenue**, Rox.; from Roxbury st., between Gardner st. and Pynchon st. (now Columbus av.), south, then east.
- Gardner court**, Rox., 1867; from Washington (now Roxbury) st., near Gardner st., south-west, then south-east; sometimes called Gardner av.
- Gardner place**, So. B.; from W. Broadway, north-easterly, between B st. and C st.
- Gardner street**, B., 1845; from Tremont st. to Emerald st.; name changed to Paul st., April 21, 1868; called sometimes Gardiner st.
- \***Gardner street**, Chsn., 1858; from Main st. to Sever st.; also called Gardiner st.
- \***Gardner street**, Rox.; from Roxbury st. to Centre st.; name of Smith st. changed to Gardner st., Oct. 29, 1860; this street was regarded as public by the Roxbury authorities at the time of annexation and has been taken care of by the City since; no record of laying out can be found.

- †**Gardner street**, Bri., 1841; from Harvard av. across Malvern st.; from Harvard av. to Malvern st. laid out, Dec. 17, 1873; accepted conditionally, Dec. 30, 1873; laid out, Sept. 16, 1876; authority to open part east of Malvern st. to Babcock st. extended across Commonwealth av. given by Street Commissioners, Sept. 7, 1892.
- †**Gardner street**, W. Rox.; from Spring st. to High st.; laid out from Spring st. to Baker st., March 6, 1871; from Baker st. to Cow Island, Nov. 29, 1876; extended to Morrison st., Nov. 11, 1881.
- Gardner's corner**, B., 1732; cor. Fish (now North) st. and Sun court then so called.
- Garfield avenue**, W. Rox.; from Corey st. to Mt. Vernon st.
- Garfield avenue**, W. Rox.; from Washington st., south-easterly, near Greenwood av.; also called Garfield st.
- Garfield place**, Rox.; from Washington st., near Ball st.
- Garland place**, B., 1826; from Washington st.; westerly; extended to Suffolk st. (now Shawmut av.) and named Garland st., Sept. 12, 1836.
- Garland place**, B.; from Garland st., south-westerly, near Washington st.
- \***Garland street**, B., 1831; from Washington st. to Shawmut av.; Garland pl., from Washington st., west, laid out as Garland st. and extended to Suffolk st. (now Shawmut av.), Sept. 12, 1836; laid out conditionally from Suffolk st. to Tremont st., Dec. 12, 1836, but conditions never complied with; laid out from Washington st. to Shawmut av., Sept. 5, 1870.
- \***Garrison street**, B., 1882; from Huntington av., south-easterly, crossing St. Botolph st.; laid out, Dec. 27, 1882.
- \***Gaston street**, Rox., 1871; from Warren st. to Blue Hill av.; named, March 7, 1871; laid out, June 20, 1871.
- \***Gates street**, So. B., 1863; from Dorchester st. to E. Eighth st.; laid out, Nov. 17, 1868.
- Gay alley**, B.; Hillier's lane, from Queen (now Court) st. to Brattle st., sometimes so called; called also at same time Belknap's alley; Brattle st. extended through it to Court st. in 1820.
- \***Gay street**, Rox.; from Roxbury st. to Linden park (now Linden Park st.); orders for acceptance in 1859 and 1861 not concurred in.
- Gay street**, Rox., 1856; Woodville sq., from W. Cottage st. to Dennis st., so called.
- \***Gay Head street**, Rox.; from Centre st. to Minden st.; laid out, June 23, 1890.
- Gayland avenue**, Dor.; from Judson st.
- Gee's corner**, B., 1708; cor. Prince st. and Back (now Salem) st. then so called.
- \***Genesee street**, B., 1844; from Harrison av. to Albany st.; accepted, Jan. 5, 1856.
- \***Geneva avenue**, Dor. and Rox., 1876; from Blue Hill av. to Charles st.; from Blue Hill av. to Bowdoin st. in Directory of 1884; street from Columbia st. to Bowdoin st., part of which was called Green st. and part Geneva st., named Geneva av., Dec. 30, 1876; extended from Columbia st. to Blue Hill av., at its junction with Warren st., including Marston av., May 26, 1880; extended from Bowdoin st. to Charles st., Aug. 27, 1884.
- Geneva street**, E.B.; (proposed) from Maverick st. to proposed part of Putnam st.
- Geneva street**, Dor.; from angle in Green st. to Bowdoin st.; with part of Green st. forming continuous street from Columbia street to Bowdoin st.; named Geneva av., Dec. 30, 1876.

- Geneva street**, Dor.; proposed extension of Geneva av., from Westville st. to Charles st.; so called by Bromley, 1884.
- George street**, B., 1732; from Beacon st., north, then east, then north, to Cambridge st.; from Cambridge st. to Olive (now Mt. Vernon) st. called Hancock st., 1788; this part also at one time called Turner st.; from Hancock st. to Clapboard (now Joy) st. called Sumner (now Mt. Vernon) st., 1800; from Beacon st. to Sumner st. called Belknap (now Joy) st., 1803.
- \***George street**, B., 1810; from Cambridge st., near the bridge, to Chestnut st., 1810; a part of Southac st. from 1729; from Chestnut st. to Sumner (now Mt. Vernon) st. called W. Cedar st., 1828; from Sumner st. to Pinckney st. called W. Cedar st., 1833; confirmed as a public street, Sept. 15, 1834; from Pinckney st. to Cambridge st. called W. Cedar st., April 1, 1839.
- \***George street**, Rox., 1865; from Hampden st. to Shirley st.; accepted, July 31, 1865; laid out from Magazine st. to Shirley st., Nov. 28, 1879.
- George street**, Chsn.; from Hamblen st. to Fred st.
- George street**, Bri.; from N. Beacon st., south-westerly, towards Whitney st.
- Georgia avenue**, Rox.; from Elm Hill av. to Blue Hill av.; part from Elm Hill av. to Montana st. laid out as Georgia st., June 26, 1882; from Montana st. to Blue Hill av. laid out as Georgia st., June 23, 1884.
- \***Georgia street**, Rox., 1882; from Elm Hill av. to Blue Hill av.; Georgia av., from Elm Hill av. to Montana st., laid out as Georgia st., June 26, 1882; relocated and extended over remainder of Georgia av., from Montana st. to Blue Hill av., June 23, 1884.
- Georgia street**, E. B.; (proposed) from Putnam st. to Neptune st. (Wood Island).
- \***Gerard street**, Rox., 1865; from Swett st. to George st.; accepted, June 31, 1865; laid out from E. Chester park (now Massachusetts av.) at its junction with Swett st. to Norfolk av., Dec. 8, 1882.
- Germain street**, Rox.; from near Norfolk av. to Sherwood st., parallel with N.Y. & N.E. R.R.
- \***German street**, W. Rox.; from Washington st. to Grove st.; laid out, Sept. 10, 1891.
- \***Germania street**, W. Rox.; from Bismarck st. to Boylston st.; laid out, from Bismarck st., and over a part of Baker st., or court, to Boylston st., Aug. 24, 1893.
- Gerrish street**, So. B.; (proposed) from Dorchester av., across Washington av. (proposed), to Richardson av. (proposed).
- Gerrish street**, Bri.; from Brooks st., west, then south-west.
- Gibbons court**, B.; Gibbons pl., from Washington st., west, next north of Boylston st., sometimes so called.
- Gibbons place**, B., 1784; from Washington st., west, next north of Boylston st.; from Newbury st., west, 1784; called Gibbons court, 1800; called Market pl., 1818; since by both names.
- Gibbs court**, Chsn.; from Main st., westerly, nearly opposite Charles st.
- Gibbs lane**, B., 1708; from the upper part of Cow lane (now High st.) to the sea; from Belcher's lane to Cow lane, 1732; called Gibson's lane by the 1796 Directory; from Purchase st. into Cow lane, 1800; from Washington pl. to Fort Hill wharf, 1817; name changed to Belmont st., from Washington pl. to Broad st., Sept. 23, 1844; named Oliver st. in 1865.
- †**Gibson street**, Dor., 1849; from Dorchester av., crossing Adams st., to Tenean creek; laid out and built across to the school pasture from Adams st. to Dorchester turnpike (now av.) in 1849; named, April 1, 1850.

- Gibson's lane, B.**, 1796; Gibbs lane, from Purchase st. into Cow lane (now High st.), so called by Directory of 1796; now Oliver st.
- Gifford court, } So. B.**, 1859; from Ward st., north-easterly, between Dor-  
**Gifford place, } chester st. and Ward court.**
- Gilbert avenue, Chsn.**; from Hamblen st. to Fred st.
- Gilbert place, B.**; from the end of the extension of Summer st., beyond Atlantic av., to Congress st.
- \***Gilbert street, Rox.**, 1874; from Centre st. to Wyman st.; laid out from near Roys st. to Hoffman st., Oct. 6, 1880; from near Roys st. to Centre st., Sept. 7, 1881; from Hoffman st. to Wyman st., Oct. 7, 1882; name changed to Chestnut av., March 1, 1886.
- Gilbert's alley, B.**; from Summer st. to Milk st.; called Bishop's alley, 1708; Broad alley, 1792; also Richardson's alley and Wybourne's lane; named Hawley st. in 1800.
- Gill street, Chsn.**; mentioned in 1827 as "Austin's lane or Gill st.;" new street (Chelsea st.), laid out from City sq. to Joiner st., to take the place of Gill st., Dec. 7, 1835; Gill st. discontinued, March 28, 1836; Town's rights relinquished to adjacent proprietors, May 2, 1836.
- Gillam place, B.**, 1809; from Washington st. to Marlboro' chapel; changed to Chapel pl., 1837; also called Gilman, or Gillman pl.; built over.
- Gill's alley or lane, Chsn.**, 1761; from Back st. (now Warren av.), south-west; later probably same as Gill st.; from Charlestown sq. to Joiner st.; a portion taken by Chelsea st. and remainder discontinued.
- Gilman place, B.**, 1834; from Friend st., south-west, next north-west from Travers st.; enclosed.
- Gilman place, B.**; Gillman pl., from Washington st. to Marlboro' chapel, sometimes so called; called Chapel pl. in 1837; built over.
- Gilman street, W. Rox.**; from Canterbury st. to Sutton st.
- Gilson court, B.**, 1867; from W. Cedar st., north-westerly, near Cambridge st.; called Bridge court, 1833; name changed to Gilson court, 1867.
- †**Gladstone street, E.B. (Breed's Island)**, 1886; from Walley st. (formerly Washburn av.) to the junction of Chelsea av. and Water av.; laid out from Breed st. to Washburn av. (now Walley st.), Aug. 23, 1886; formerly Terrace av.
- \***Gleason street, Dor.**; from Harvard st. to White st.; laid out, Dec. 30, 1889.
- Glen avenue, Dor.**, 1871; from Blue Hill av., crossing Erie av. to Read av. or st.; made part of Glen road, later Glenway st.; called also Glenn av.
- Glen avenue or street, Dor.**, 1872; from Glenway st. (formerly Glen road) to Greenwood st.
- \***Glen road, W. Rox. and Dor.**, 1853; from Washington st., opposite Green st., to Harvard st., opposite Warner av.; laid out from Forest Hills st. to Walnut av.; thence extended to Blue Hill av., near Columbia st., March, 1872; name of Green st., between Forest Hills st. and Washington st., changed to Glen road, March 1, 1888; part of Glen road from Sigourney st. to Blue Hill av., included in Franklin Park; part from Old road (Blue Hill av.) to Glen av. laid out as Glenway st., July 31, 1893; part from Glen av. to Harvard st. laid out as Glenway st., Aug. 10, 1894; this last part is shown on early atlas as Warner av.
- \***Glen street, Dor.**, 1873; from Glendale st. to Trull st.; laid out, Dec. 10, 1875.
- Glen street, W. Rox.**, 1856; from Green st., north, 1,003 feet, next to B. & P. (now N.Y., N.H. & H.) R.R.; Boylston av. extended to Green st. over it, April 5, 1872.

- Glen way**, W. Rox.; from Centre st., east, nearly opposite Lake Ville (now Lakeville) pl.
- \***Glenarm street**, Dor., 1882; from Washington st. to New Seaver (now Seaver) st.; Miller st., from Washington st. to Merrill st., laid out and name changed to Glenarm st., July 3, 1882; name of part of Merrill st., from angle in same at Glenarm st. to New Seaver st., changed to Glenarm st., March 1, 1883.
- Glenbrook street**, Rox. and Dor.; from Dewey st. to Dalmatia st.
- \***Glendale street**, Dor., 1870; from Bird st. to Hancock st.; name of Cross st. (from Hancock st. to Columbia st.) changed to Glendale st., May 31, 1870; extended from Columbia st. to Bird st. in part over a private way known as Bird-st. pl., Dec. 19, 1878.
- Glendon avenue**, Bri., 1887; from Commonwealth av. to Kinross road; from Englewood av. to Massachusetts (now Commonwealth) av., on plan in 1887; part from Englewood av. to Selkirk road now called Chiswick road; part from Chiswick road to Kinross road abandoned.
- Glendon place**, E.B.; from Bremen st. to Chelsea st.
- \***Glendon street**, E.B.; from Eagle st., opposite Trenton st., to Condor st.; laid out, April 20, 1869; late Knox st.
- Glenham street**, W. Rox., 1893; from Baker st. to La Grange st.; authority to open given by Street Commissioners, Oct. 12, 1893.
- Glenside avenue**, W. Rox.; from Glen road, south-westerly.
- Glenvale terrace**, W. Rox.; from Lamartine st., north-west, between Spring lane and Bell st.
- Glenway**, Dor., 1845; a part of curvilinear driveway through Savin Hill, from Grampian way to Indian way (now Savin Hill av.); name changed to Grampian way, Aug. 12, 1869; also called Glenway av.
- Glenway**, W. Rox., 1849; from Scarboro' st. (part of present Morton st.), southerly, curving easterly to Scarboro' st. again; now included in Forest Hills av.
- Glenway**, Rox.; from Seaver st., south; now in Franklin Park.
- \***Glenway st.**, Dor.; from Blue Hill av. (Old road) to Harvard st., opposite Warner av.; formerly Glen road; laid out and named Glenway st., from the Old road (Blue Hill av.) to Glen av., July 31, 1893, and from Glen av. to Harvard st., Aug. 10, 1894; part near Harvard st. shown on early atlas as Warner av.
- Glenwood place**, Rox.; from Glenwood st., south-east, near Cliff st.
- \***Glenwood street**, Rox., 1868; from Warren st. to Cliff st.; name of Myrtle st. changed to Glenwood st., April 21, 1868; laid out, Dec. 22, 1870.
- Glenwood avenue**, W. Rox., 1856; from Dedham turnpike (now Washington st.) to proposed avenue; plan, book 3, No. 57, Middlesex, South District Deeds.
- †**Glide street**, Dor., 1869; from Chickatawbut st. to Marsh st.; from Chickatawbut st. to Minot st., laid out and named, March 1, 1869.
- Glines avenue**, W. Rox.; from School st., south-east, between Byron court and Erie pl.
- Globe court or alley**, B., 1862; from Commercial st., south-west, near Hanover st.
- Gloucester place**, B., 1863; from Harrison av., west, next north of Dover st.
- \***Gloucester street**, B., 1867; from Beacon st. to Boylston st.; at one time called Seventh st. on plans; laid out from Beacon st. to Commonwealth av., Aug. 3, 1874; extended from Commonwealth av. to Boylston st., April 12, 1880.



- Glover court**, So. B., 1863; from Woodward st., south-west.
- Glover place**, Dor.; from Highland st., north-east; also called Glover's court.
- \***Glover's corner**, Dor.; at the junction of Dorchester av., East st., and Commercial (now Freeport) st.
- Goddard street**, So. B., 1855; from Dorchester st. to D st.; accepted conditionally, Sept. 13, 1859; name changed to Eighth (now W. Eighth) st., April 9, 1867.
- Goddard street**, Bri., 1891; from N. Harvard st. to Seattle st.; authority to open given by Street Commissioners, July 10, 1891.
- \***Gold street**, So. B., 1852; from A st., near Dorchester av., to Dorchester st.; accepted and laid out, Nov. 29, 1852; extended from E st. to D st., Nov. 22, 1859; extended from C st. to D st., Sept. 9, 1862; laid out from B st. to C st., Oct. 18, 1870; laid out from D st. to E st., Feb. 29, 1872; laid out from F st. to Dorchester st., May 9, 1874; laid out from C st. to D st., Sept. 23, 1882; laid out from E st. to F st., May 21, 1884; laid out from A st. to N.Y. & N.E. R.R., June 23, 1884; laid out from B st. to N.Y. & N.E. R.R., March 26, 1891.
- Goldsmith place**, W. Rox.; from Centre st., east, near Spring Park av.
- Goldsmith place**, Rox.; from Ruggles st., south-west, between Washington st. and Shawmut av.
- \***Goldsmith street**, W. Rox.; from Centre st. to Custer st.; laid out, Sept. 11, 1891.
- Gooch lane or street**, B.; same as Gouch lane or st.; now Norman st.
- Goodenough street**, Bri., 1893; from N. Beacon st. to Faneuil st.; authority to open given by Street Commissioners, Oct. 24, 1893.
- Goodridge's alley**, B.; from Charter st., north, at an early date.
- Goodwin court**, So. B.; from Ward st., north-easterly, near Preble st.
- Goodwin place**, B., 1859; from Revere st., north, near Grove st.
- Gordon place**, Dor.; from Adams st., north-east, near its junction with Dorchester av.
- \***Gordon street**, W. Rox., 1865; from Elm st. to Jamaica Plain station; laid out, May 7, 1872.
- Gordon street**, Dor.; from Torrey st. to Dunbar av.
- \***Gordon street**, Bri., 1876; from N. Beacon st. to Cambridge st.; laid out, Feb. 5, 1876.
- Gore avenue**, Rox., 1863; from Parker st. to Terrace st.; formerly from Parker st. to Tremont st.; accepted conditionally, May 11, 1863; laid out in part (from Tremont st.), April 17, 1875; name of last-mentioned part changed to Terrace st., Sept. 23, 1875; part between Terrace st. and Parker st. laid out as Gore st., Aug. 25, 1886.
- \***Gore street**, Rox., 1886; from Parker st. to Terrace st.; laid out, Aug. 25, 1886; formerly Gore av.
- Gore street**, W. Rox.; from Centre st. to Lamartine st.; Paul Gore st. sometimes so called.
- Gorham place**, B., 1835; from Washington st., north-west, near Waltham st.
- Gorham street**, Bri.; from Holmes av. to Allston sq.
- Gorham street**, Chsn., 1810; Oliver Holden conveys to Town for public highway a parcel of land called Gorham st., being a continuation of High st., terminating at west cor. of Baptist meeting-house, July 17, 1810; later made a part of High st.
- Gorham street**, Dor.; from Centre st. to Clement st.

- Gosnold street**, E.B., 1893; from Prescott st. to the Parkway; authority to open given by Street Commissioners, April 21, 1893.
- \***Gouch lane or street**, B., 1732; from Green st. to the Mill-pond, called Gouch lane, 1732; Merrimac st. filled in across foot of, 1807; from Green st. to Merrimac st. called Gouch st., 1822; name changed to Norman st., Dec. 18, 1877.
- Gouch-street place**, B., 1849; from Norman st. (formerly Gouch st.), north-west.
- †**Gould street**, W. Rox., 1888; from Spring st., near the Charles River, to Belle av.; formerly Clarence st., of which the part between Spring st. and Hamilton st. was laid out, with the name of Gould st., Sept. 28, 1888.
- Gould's court**, E.B.; from Orleans st., near Decatur st., north-westerly, to land of E. (now B. & M.) R.R.
- Gouldville terrace**, Dor.; from Brook av., south-west, then west, between Victor st. (formerly Grenville pl.) and W. Cottage st.
- \***Gove street**, E.B., 1893; name of that part of Decatur st., between Meridian st. and Bremen st., changed to Gove st., March 1, 1893.
- \***Governer's alley**, B., 1732; named from Dummer's cor. in School st., south-west, to Rawson's lane (now Bromfield st.), 1732; called Montgomery st., 1833; named Province st., June 17, 1833; confirmed as a public street, Sept. 15, 1834.
- Grace avenue**, Dor.; from Robinson st. to Arcadia st.; laid out as Montello st., Nov. 16, 1894.
- Grace court**, So. B.; from E. Third st., northerly, between O st. and P st.
- \***Grafton street**, Dor., 1882; from Dorchester av. to Buttonwood st.; private way, called Garden st. laid out with the name of Grafton st., March 27, 1882.
- Graham court**, Dor.; from Graham st. to Clapp st.
- Graham street**, Dor.; from south of Clapp st., crossing it and Massachusetts av. (formerly E. Chester park) to Graham court.
- Grammar alley**, B., 1795; from N. Bennet st. to Prince st.; called School alley, 1732; called Grammar alley, 1795; Prince-st. av. in 1833; Bennet av. in 1839.
- \***Grampian way**, Dor., 1845; curvilinear driveway through Savin Hill, from Savin Hill av. to Savin Hill av.; laid out, including Glen way, and accepted, Aug. 12, 1869.
- Granby street**, So. B.; proposed street from the proposed extension of B st. to the proposed extension of E st., on the so-called Commonwealth flats.
- Grandview street**, W. Rox.; from Beech st., nearly opposite Kittredge st.
- \***Granger street**, Dor., 1870; from Duncan st. to Clayton st.; laid out, June 18, 1891.
- Granger place**, Dor.; from Duncan st., opposite Granger st.
- \***Granite avenue**, Dor.; Granite st., from Adams st. to Neponset River, so called in County Commissioners' records.
- Granite street**, Dor.; from Adams st., at junction with Marsh st., to Neponset River; called Granite turnpike on a plan in 1846; called Granite bridge road in 1847, and previously turnpike, bridge, etc.; laid out by County Commissioners, Sept., 1865; called Granite av. in Commissioners' records.
- \***Granite street**, So. B., 1855; from W. Second st. to Mt. Washington av. and beyond; from First st., now W. First st., to Mt. Washington av., accepted conditionally, April 30, 1855; laid out from Second (now

W. Second) st. to Mt. Washington av., and from street 550 feet north-east of Mt. Washington av. to limit of solid structures, Nov. 17, 1868; part north of Mt. Washington av. now abandoned.

**Granite place, B.**, 1844; from Dover st. to Harrison av.; called Dover pl., 1848; Dover-st. pl., 1861; Fay st., 1877.

**Granite street, W. Rox.**, 1870; from Centre st. to Spring st., near Spring-st. station; in same year called Cass st. on a plan; part from Centre st. to railroad laid out as Cass st., Dec. 11, 1883.

**Grant avenue, Bri.**; from Wilton st.

**Grant place, B.**, 1866; from Camden st., south-west, next north of Washington st.

**Grant place, B.**, 1866; from Chardon st., south; called Chardon-st. pl., 1841; Grant pl., 1866; Chardon court, 1874.

**Grant place, Dor.**; from Washington st. (at Lower Mills), westerly, near Sanford st.

**Grant place,** } Bri.; from Upton court, near Western av., southerly.  
**Grant street,** }

\***Grant street, Dor.**; from Crescent av. to Harbor View st.; laid out, July 22, 1887.

**Grant's court, Chsn.**; from N. Mead st., south-easterly.

**Grant's corner, B.**, 1800; cor. Union st. and Minot's court at one time so called.

**Granville street, W. Rox.**; from Beech st., opposite Kittredge st.

**Granville place, Dor.**, 1871; from Brook av., southerly; laid out as a public street, with the name of Victor st., from Brook av. to Dean st., July 26, 1894.

**Granville street, Dor.**; from Adams st., near Granite av., to Milton st.

**Grape place, B.**, 1851; from Spring st., north-west, between Leverett st. and Milton st.; included in the extension of Chambers st. from Spring st. to Brighton st.

**Graphic court, B.**, 1827-61; from Washington st., opposite Franklin st.; closed and built over.

\***Grave street, Chsn.**; from Main st. to Bunker Hill st.; from Main st. to Bartlett st., accepted, Nov. 28, 1831; continuation to Bunker Hill st. laid out, Oct. 6, 1834, and accepted, Nov. 10, 1834; called also Graves, Greave, and Greaves sts.; no record of change of name, but soon after called Sullivan st.

**Gravel street, B.**, 1733; from Leverett st. to Wiltshire (now Chambers) st.; from Leverett st. to Poplar st., 1803; accepted and included in Chamber's st., May 26, 1828; that part of Chambers st. formerly called Gravel st. named Ashland st., Feb. 22, 1845.

**Gravelly Point road, Rox.**, 1662; from Ruggles st. across B. & P. (now N.Y., N.H. & H.) R.R. to the marsh; located, Jan. 19, 1662 and 1694; portion east of Sudbury (now Weston) st. discontinued, Nov. 30, 1863.

**Graves lane, Chsn.**, 1803; from Charlestown sq., south-west.

**Gray place, B.**, 1841-57; from Portland st., west, near Hanover st.; closed.

\***Gray street, B.**, 1870; from Berkeley st. to Clarendon st.; Clarendon pl. laid out and name changed to Gray st., Oct. 11, 1870.

\***Gray street, Chsn.**, 1842; from Chelsea st. to Water st.; laid out, March 28, 1842.

**Gray's alley or lane, B.**, 1722; from Belcher's lane (now Purchase st.) to Cow lane (now High st.), shown on a plan in 1722; named, 1732; from Cow lane to Milk st., 1788; part included in Atkinson (now Congress) st., between 1788 and 1795; laid out from Atkinson st. to Milk st., Aug. 25, 1795; Atkinson st. laid out through remainder, 1816.

- Greave street**, Chsn.; from Main st. to Bunker Hill st.; also called Grave st.
- Green and Walker's corner**, B., 1732; cor. Queen (now Court) st. and Hillier's lane (now Brattle st.), then so called.
- Green alley**, So. B.; from W. First st. to W. Second st.; laid out as Colton st., Dec. 31, 1888.
- Green lane**, B., 1803; Allen's lane, from Wiltshire st., west, to the water, so called.
- Green lane**, B.; Atkinson (now Congress) st., from Milk st. to Cow lane (now High st.), so called previously to 1788.
- Green lane**, B., 1708; from Well's corner (now Bowdoin sq.) to the water; called Green st., from Well's corner, north-west, to Barton's point, 1732; from Bowdoin sq. to Chambers st., 1784.
- Green lane**, B., 1789; Pearl (formerly Hutchinson) st., from Milk st. to Cow lane (now High st.), so called by a plan of 1789.
- Green lane**, B.; Salem st., from Prince st. to Charter st., so called at one time.
- Green place**, W. Rox.; from Centre st., opposite Green st.; now a part of Myrtle st.
- \***Green street**, B., 1732; from Bowdoin sq. to Chambers st.; called Green lane, from Well's corner (Bowdoin sq.) to the water, 1708; called Green st., from Well's corner, north-west, to Barton point, 1732; from the present Bowdoin sq. to Chambers st., 1784.
- Green street**, B., 1850; Court st., from Bowdoin sq. to Sudbury st., so called in 1850, and later in same year changed back to original name.
- \***Green street**, Chsn.; 1799; from Main st. to Bunker Hill st.; laid out from cor. of Green's lane to Bunker Hill lane, March 4, 1799; continuation to Bunker Hill st. accepted, April 6, 1840.
- Green street**, Dor., 1840; from Bowdoin st. to Columbia st.; street leading from Bowdoin st., through Davenport's lane, named Green st., March 11, 1840; called Love lane on a plan dated 1859; name of part from Columbia st. to Geneva st. changed to Geneva av., Dec. 30, 1876; name of part from Geneva st., to Bowdoin st. changed to Olney st., Dec. 30, 1876.
- \***Green street**, W. Rox., 1837; from Centre st. to Forest Hills st.; new road from Jamaica Plain to Dedham turnpike (now Washington st.) named Green st., Aug. 14, 1837; laid out from Sbamut av. (now Washington st.) to Forest Hills st., to connect with Glen road, Dec. 15, 1870; accepted, Dec. 15, 1870; name of part between Washington st. and Forest Hills st. changed to Glen road, March 1, 1888.
- Green-street court**, Dor.; from Olney st., northerly.
- Green-street place**, B., 1874; from Green st., south, opposite Crescent pl.
- Green-street place**, Dor., 1868; from Green st. (now Geneva av.), north-east, then north-west, to Columbia st.; part north-east from Geneva av. now called Vaughn court or av.
- Greenbrier street**, Dor.; from Park st., north-west, near Washington st., crossing Bloomfield st.
- Green Dragon lane**, B., 1708; from Hanover st. to the Mill-pond; opened to width of 40 feet, Sept. 16, 1828; laid out from cor. of Hanover st. and Union st., to Merrimac st., as a continuation of and named Union st., Sept. 26, 1828.
- Green's block**, Chsn.; from Walnut st., north-west.
- Green's lane**, Chsn.; laid out from Main st. to High st., March 4, 1799; no other record.

- Green Hill avenue**, W. Rox., 1851; from Centre st., north-west, near Allandale st.
- \***Green Hill street**, Dor.; from Mill st. to Blanche st.; laid out, July 21, 1885.
- \***Greenheys street**, Dor., 1893; from Magnolia st. to Cedar st.; authority to open given by Street Commissioners, July 19, 1893; laid out, Dec. 5, 1893.
- Greenleaf street**, Rox., 1871; from Parker st., near its junction with Huntington av., easterly.
- \***Greenough avenue**, W. Rox., 1853; from Centre st. to Elm st.; accepted, March 7, 1864; laid out by Selectmen by the new High school-house to Elm st., and accepted by the Town, July 25, 1868.
- Greenock street**, Dor., 1894; from Blue Hill av. to Back st.; authority to open given by Street Commissioners, Nov. 8, 1894.
- Greenough place**, W. Rox., 1872; from Greenough av., north-east.
- Greenough's avenue**, B., 1848; from Charter st. to Commercial st.; called Greenough's alley, 1708; Greenough's lane, 1732; Greenough's av., 1848; Greenough lane, 1858.
- Greenough alley**, B., 1708; the alley leading from Charter st., down through Mr. Greenough's building yard into Lyn (now Commercial) st.; called both alley and lane after 1732.
- \***Greenough lane**, B., 1732; from Charter st. to Commercial st.; Greenough's alley called Greenough's lane in 1732; called Greenough's av. in 1848; called Greenough lane in 1855.
- Greenville park**, Rox.; from Greenville st.; also called Greenville pl.
- Greenville place**, Rox.; from Greenville st., westerly; also called Greenville park.
- \***Greenville street**, Rox., 1845; from Dudley st. to Winthrop st.; accepted from Dudley st. to East st. (now Blue Hill av.), Jan. 28, 1850; Winthrop st. laid out over part of from Grove Hall (now Blue Hill) av., north-westerly, April 2, 1855.
- \***Greenwich park**, B., 1870; from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R.; part of W. Concord st., from Columbus av. to the railroad named Greenwich park, March 29, 1870.
- Greenwich place**, Dor., 1870; from Dorchester av. to Commercial (now Freeport) st.
- \***Greenwich street**, Dor., 1870; from Dorchester av. to Commercial (now Freeport) st.; laid out, Dec. 3, 1877.
- \***Greenwich street**, Rox., 1866; from Warwick st. to Westminster st.; laid out, Sept. 1, 1871.
- Greenwood avenue**, W. Rox., 1857; from Washington st., south-easterly, near Garfield av.
- Greenwood street**, Dor., 1872; from Glen road (now Glenway st.) or Warner av., easterly, then northerly, parallel with N.Y. & N.E. R.R.; part from Glenway st, easterly, now known as Roxton st.; Greenwood st. now runs from Harvard st., northerly, parallel with N.Y. & N.E. R.R., to beyond Glen av. or st.
- Greenwood street**, Dor., 1893; from Harvard st. to Roxton st.; authority to open given by Street Commissioners, March 28, 1893.
- Greenwood street**, Dor., 1894; north and south across the east end of Fowler st.; authority to open given by Street Commissioners, Oct. 24, 1894.

- \***Greenwood street**, Rox., 1872; from Marcella st. to Brunswick (now Columbus) av.; accepted from Marcella st. to Stony brook, Sept. 24, 1872; named, Oct. 11, 1872; location altered, Dec. 27, 1879; discontinued, July 23, 1881; given in Directory, 1884, and on chart, 1884; Ritchie st. laid out over part of former location of, from Marcella st. to Centre st., Dec. 31, 1888.
- Greims place**, Rox.; from Longwood av., south, between Parker st. and Phillips st.
- \***Grenville place**, B., 1860; from Columbus av. to Church st.; called Fuller st., from Church st., west, 1840; name changed to Grenville pl., 1860; laid out between Church st. and line of proposed extension of Columbus av., Sept. 14, 1868.
- Grew avenue**, W. Rox.; from Canterbury st., opposite Poplar st., to Hyde Park line.
- \***Gridley street**, B., 1825; from High st. to Purchase st.; called Tilley's lane, 1708; Gridley's lane, 1795; Gridley st., 1825.
- Gridley's lane**, B., 1708; from Cow lane (now High st.) to the rope-walk; called Griffin's lane in 1795 or 1800, and both names seem to have been used until it was included in the extension of Pearl st., in 1821.
- Gridley's lane**, B., 1795; from Cow lane (now High st.) to Belcher's lane (now Purchase st.); called Tilley's lane, 1708; Gridley's lane, 1795; Gridley st., 1825.
- Gridley's lane**, B., 1857; from Grove st., west, near Cambridge st.; probably same as Grove pl., with same description.
- Griggs place**, Bri.; from Allston st., south-west, opposite Hollis pl.
- Griggs street**, Bri., 1857; from Washburn st. to Holmes av.; part of taken into Massachusetts (now Commonwealth) av.; now from Commonwealth av. to Holmes av.
- Griffin court**, Dor.; from Clayton st., opposite Granger st.
- Griffin's lane**, B.; from Cow lane (now High st.) to Belcher's lane (now Purchase st.); called Gridley's lane from 1708 to 1795 or 1800, from which time both names seem to have been used until the lane was included in the extension of Pearl st. in 1821.
- \***Grimes street**, So. B.; from W. Seventh st. to W. Eighth st.; laid out, April 8, 1878.
- Grinnell street**, Rox., 1848; crossing end of Milford pl. (now Sarsfield st.).
- Grosvenor place**, Rox., 1868; from Washington st. to Cliff st.; name of Lincoln pl. changed to Grosvenor pl., April 21, 1868.
- Groton court**, B., 1841; from Shawmut av., east; extended to Washington st., and called Groton st., 1842.
- \***Groton street**, B., 1826; from Washington st. to Shawmut av.; from Tremont st. to Suffolk st. (now Shawmut av.), 1826; accepted, 1826; named, Sept. 15, 1834; extended to Washington st. through Groton court, 1842; accepted, Dec. 7, 1857; part between Shawmut av. and Tremont st. named Dwight st., April 19, 1859.
- Grotto glen**, Rox., 1871; from Day st., westerly.
- Grove court or place**, B., 1846; from Myrtle st., at the head of Grove st.; called Grove sq., 1856.
- Grove place**, B., 1848; from Grove st., west, near Phillips, formerly Southac st.
- \***Grove place**, B., 1851; from May (now Revere) st. to Myrtle st.; accepted and laid out as a highway, Oct. 27, 1851; no other record; same as Myrtle court. through which Myrtle st. was extended to Revere (then May) st. in 1851.

- Grove place, B.**, 1857; from Grove st., west, near Cambridge st.
- \***Grove street, B.**; 1729; from Cambridge st. to Myrtle st.; from Cambridge st., southerly, across Southac (now Phillips) st. and May (now Revere) st., 1729; near the new bridge from Cambridge to the Mount, 1800; from Cambridge st. to Pinckney st., 1807; confirmed as a public street, Sept. 15, 1834; from Cambridge st. to Myrtle st., 1851.
- Grove street, Rox. and Dor.**, 1846; from Blue Hill av. to Lawrence av.
- \***Grove street, W. Rox.**; from Centre st., to Dedham line; from Norfolk and Bristol turnpike (now Washington st.) to Mill Village, Dedham; laid out, September 1829; from Norfolk and Bristol turnpike, opposite new road to Mill Village, Dedham, to old post road to Boston; laid out and confirmed as a public highway, April, 1833.
- Grove street, W. Rox.**, 1871; from Gardner st.; laid out with the name of Morrison st., Nov. 11, 1881.
- \***Grove square, B.**, 1856; from Myrtle st., southerly, opposite Grove st.; called Grove court or pl. in 1846.
- Grove terrace, B.**, 1879; from Grove st., west, between Phillips st. and Cambridge st.
- \***Grove Hall avenue** Rox. and Dor., 1851; from Dudley st. to Seaver st.; part of East st., from Eustis (now Dudley) st., to Warren st., called Grove Hall av., Dec. 8, 1851; name of Brush Hill turnpike changed to Grove Hall av., Jan. 28, 1867; Grove Hall av. from Dudley st. to Seaver st., and Brush Hill av. from Seaver st. to Mattapan, named Blue Hill av., Oct. 25, 1870.
- Grover avenue, W. Rox.**; from Neponset av., near Canterbury st., to Florence st.
- Guernsey street, W. Rox.**; from Centre st., crossing South st., to Central Station.
- Guild row, Rox.**, 1857; from Dudley st. to Washington st.; part of Bartlett st. named Guild row, Dec. 28, 1857; same made a part of Washington st., June 16, 1874.
- \***Guild row, Rox.**, 1874; from Roxbury st. to Dudley st.; early called Winslow st., and Shawmut av. extended through, Dec. 28, 1857; named Guild row, June 16, 1874.
- \***Guild street, Rox.**, 1865; from Washington st. to Lambert av.; laid out and extended to Lambert av., Dec. 6, 1870.
- \***Guilford street, Bri.**, 1886; from Saunders st. to Pomeroy st.; laid out from Saunders street to Orchard (now Pomeroy) st., Oct. 15, 1886.
- \***Gurney street, Rox.**, 1870; from Tremont st. to Parker st.; laid out, Sept. 11, 1882.
- \***Gustin street, So. B.**; from W. Ninth st. to O. C. (now N.Y., N.H. & H.) R.R.; Morni court laid out as Gustin st., Oct. 13, 1891.
- \***H street, B.**, 1863; from Tremont street to Berkeley st.; accepted conditionally, Nov. 24, 1865; accepted finally and name changed to Chandler st., April 28, 1866.
- \***H street, So. B.**, 1805; from E. First st. to E. Ninth st., with proposed extension to line in "Old Harbor"; laid out from the salt water on the south to the harbor of Boston on the north and named, Feb. 27, 1805; laid out from First (now E. First) st. to Harbor line in Dorchester Bay, Nov. 17, 1868.
- H-street place, So. B.**; from H st., west, between Emerson st. and E. Broadway.
- Haberstroh place, W. Rox.**; from Lamartine st., south-east, near Boylston st.

- \***Hadley street**, Chsn., 1880; from Parker st. to Somerville line; shown as an unnamed street on a plan dated 1878; laid out, Oct. 11, 1880.
- Hadwin way**, W. Rox.; from Hyde Park av., near Ashland st.
- \***Hagar street**, W. Rox.; from Eliot st. to Thomas st.; laid out, Oct. 26, 1887.
- Hale's court**, Dor.; from Adams st., north-east, between Linden st. and East st.; also called Hall's court; laid out from Adams st. to Dorchester av. with the name of Hecla st., Aug. 30, 1892.
- Half-court square**, B.; Half-square court, from King (now State) st., south, so called in 1798.
- Half Moon place**, B., 1848; from Broad st., west, nearly opposite Wharf st.; Humphrey pl. laid out and extended through Half Moon pl. to Broad st. and name changed to Wendell st., Dec. 30, 1870.
- Half-square court**, B., 1708; the way leading from King (now State) st. to Pudding lane (now Devonshire st.) in 1708; called also Half-court sq. in 1798; the way round the buildings back of the Post-Office, 1800; called Salter's court, 1808; extended east to Congress st., 1810; called Exchange sq., 1818; a part called Congress sq., 1821; parts discontinued, 1832, 1842; a part called Story pl., 1845; all named Congress sq., 1873.
- Half place**, B., 1849; from Hanover st., south-easterly, near Cross st.
- Hall place**, B.; from Hanover st., south-east, between Richmond st. and Board alley.
- Hall place**, So. B.; from E. Fifth st., south, between L street and Pickering pl.
- \***Hall street**, W. Rox., 1870; from South st., east, to near B. & P. (now N. Y., N. H. & H.) R.R.; laid out, Dec. 1, 1887.
- \***Halleck street**, Rox.; from Station st. to Ruggles st.; shown as an unnamed street on a plan dated 1856; laid out from Station st. to Ward st., Dec. 30, 1869; from Ward st. to Ruggles st., Sept. 4, 1871.
- Hallowell's corner**, B., 1732; cor. Milk st. and Batterymarch st. then so called; called Hollawaye's cor., 1708.
- Hall's (Dr.) corner**, B., 1800; cor. Dock sq. and Wing's lane (now Elm st.) then so called.
- Hall's court**, Rox.; from Washington st., north-westerly, opposite Warren st.
- Hall's court**, Dor.; from Adams st., north-east, between Linden st. and East st.; shown as an unnamed court on a plan dated 1861; also called Hale's court; laid out from Adams st. to Dorchester av. with the name of Hecla st., Aug. 30, 1892.
- Hamblen street**, Chsn.; from Temple st., north-easterly, nearly to Mystic River; shown as an unnamed street on plan dated 1851; from Arlington av., near Dorrance st., by Directory.
- \***Hamburg street**, B., 1843; from Mystic st. to Harrison av.; accepted conditionally, Nov. 4, 1857; laid out, July 10, 1861; accepted finally, Sept. 25, 1861.
- Hamburg street**, E. B.; from Decatur st. to proposed part of Marion st.; shown as from Maverick st. to Bennington st. on a plan dated 1845.
- \***Hamerton street**, Rox.; from Crawford st. to Humboldt av.; laid out from Crawford st. to Harold st., Dec. 1, 1892; from Harold st. to Humboldt av., Oct. 12, 1893.
- Hamilton alley**, B., 1820; from Hamilton st. to Wendell st.
- Hamilton avenue**, B., 1823; from Broad st. to Hamilton st.; called Quincy lane in 1822; closed.



- Hamilton avenue**, Dor., 1872; from Bowdoin st. to Columbia st.; also called Hamilton st.; laid out with the name of Barrington st., Oct. 21, 1889.
- Hamilton court**, B., 1827; from Hamilton st., near Wendell st.; formerly called Hamilton lane; a part included in Franklin st. and the remainder built over.
- Hamilton court**, Chsn.; from Main st., westerly, nearly opposite Albion pl.
- Hamilton lane**, B., 1820; from Hamilton st. to Broad st.; the south part closed in 1827; the part opening from Hamilton st. called Hamilton court; a part later included in Franklin st. and the remainder built over.
- Hamilton place**, B., 1806; from Common (now Tremont) st., easterly, opposite Park st.
- \***Hamilton street**, B., 1807; from Batterymarch st. to Fort Hill sq.; called Sconce lane, 1708; Sconce st., 1784; Hamilton st., 1807; confirmed as a public street, Sept. 25, 1834.
- Hamilton street**, W. Rox., 1870; from Clarence (now Gould) st. to Charles st., near Charles River.
- Hamlen place**, B., 1844; from Pleasant st., near Tennyson st., west; called Cole's pl., 1839, and then extended to Church st.; called Hamlen pl., 1844.
- Hamlet street**, Dor., 1871; from Boston st. to Berkeley pl. (now Belden st.).
- Hamlin street**, So. B., 1860; from E. Eighth st. to E. Ninth st., between G st. and H st.
- Hammatt road**, W. Rox.; from Hyde Park av. to Ashland st.
- \***Hammett street**, Rox.; from Grinnell st. to Sarsfield st.; formerly Hammett av.; laid out, Nov. 15, 1892.
- \***Hammond avenue**, B., 1850; from Chambers st. to Leverett st.; a passageway, 4½ feet wide, pronounced a public way, Oct. 18, 1847; laid out again, Oct. 30, 1848; called Steele's court, 1849; Hammond av., April 1, 1850.
- Hammond park**, B. and Rox., 1867; from Shawmut av. to Tremont st.; later called Hammond st.
- Hammond square**, B. and Rox., 1865; from Shawmut av. to Tremont st.; later called Hammond park and Hammond st.
- \***Hammond street**, B. and Rox., 1868; from Shawmut av. to Tremont st.; called Hammond sq., 1865; Hammond park, 1867; laid out, July 28, 1868.
- Hammond terrace**, B.; from Hammond st., north-east, then north-west, to Smith av.
- Hampden place**, Rox., 1876; from Hampden st., westerly, between Prescott st. and Norfolk av.; name of Perry court changed to Hampden pl., May 9, 1876.
- \***Hampden street**, B. and Rox., 1868; from Albany st. to Dudley st.; probably laid out by County Commissioners in April, 1839; named East st., Aug., 1842; Hampden st., April 21, 1868.
- Hampshire court**, Rox.; from Hampshire st., south-east, then south-west to Vernon st.
- Hampshire place**, Rox.; from Hampshire st.
- \***Hampshire street**, Rox., 1868; from junction of Cabot st. and Ruggles st. to Clay (now Linden Park) st.; name of Orange st., between Clay st. and Cabot st., changed to Hampshire st., April 21, 1868; laid out from Clay st. to Vernon st., July 15, 1871; from Vernon st. to Culvert st., July 31, 1886.

**Hampton court**, B., 1870; from Northampton st., south-westerly, between Washington st. and Shawmut av.; named, June 14, 1870.

**Ham's court**, Chsn.; from Main st. westerly, towards Rutherford av.; shown as an unnamed street on a plan dated 1849; laid out from Main st. to Canal st. (now Rutherford av.), Dec. 6, 1869; discontinued, July 21, 1871; laid out from Main st. to Rutherford av., with the name of Mishawum st., July 26, 1894.

\***Hancock avenue**, B., 1828; from Beacon st. by the west side of the State House to Mt. Vernon st.; same in 1827; named, Jan. 21, 1828; also called State House av.

\***Hancock bridge**, B., 1793; from the foot of Cambridge st. to Cambridge; called also West Boston bridge.

**Hancock place**, B., 1823; from Belknap (now Joy) st., east, between Beacon st. and Mt. Vernon st.; name changed to Mt. Vernon pl. in 1829.

**Hancock place**, B.; from Blossom st., west, between Cambridge st. and Parkman st.

**Hancock row**, B., 1826; from Marshall st. to Creek sq.

\***Hancock square**, Chsn., 1870; junction Main, Essex, Eden, and South Eden sts. and Tibbet's Town way; named, Nov. 15, 1870.

\***Hancock street**, B., 1788; from Cambridge st. to Mt. Vernon st.; called Davis lane and Turner st. at some time previous to 1732; called George st., 1732; street from Beacon st., in the Common, by Governor Hancock's, running northward over the hill from his garden down to Cambridge st., called Hancock st., 1788.

\***Hancock street**, Chsn., 1854; from Green st. to Elm st.; laid out and accepted, Nov. 28, 1854.

\***Hancock street**, Dor., 1840; from Dudley st., at Upham's corner, to Eaton sq., at junction of Adams st. and Bowdoin st.

\***Hanley square**, Rox.; at the junction of Roxbury st. and Pyncheon st. (now Columbus av.) so named, March 5, 1891.

†**Hano street**, Bri.; from Braintree st. to Cambridge st.; laid out, July 14, 1891, from Braintree st., south-westerly, about 500 feet.

\***Hanover avenue**, B., 1829; from Hanover st. to North st.; called Methodist alley from North (now Hanover) st. to Ship (now North) st., 1796; name changed to Hanover av., Aug. 24, 1829.

**Hanover court**, B., 1825-48; from Hanover st., north-west, between Friend st. and Union st.; closed.

**Hanover place**, B., 1827; from Hanover st., north-west, between Cross st. and Parmenter st.; called Robinson's court, 1821; Robbin's court, 1822; N. Hanover court or pl., 1825; Hanover pl., 1827.

\***Hanover square**, B.; cor. Newbury (now Washington) st. and Essex st.; so called previous to 1765.

\***Hanover street**, B., 1708; from Court st. to Chelsea ferry; the part from Queen (now Court) st. to Wing's lane (now Elm st.), called Orange Tree lane previous to 1708; called Hanover st., from Court st. to the Mill bridge, 1708; the street running from Court st., through Hanover, Middle, and North sts., to the ferryways, named Hanover st. throughout, July 6, 1824; discontinued from Commercial st. to Winisimmet ferry, 1836; laid out again from Commercial st. to Chelsea ferry, April 5, 1886.

\***Hanson street**, B., 1834; from Shawmut av. to Tremont st.; laid out on the Neck, July 24, 1826; third of new cross streets at southerly part of the city, extending from Tremont st. to Suffolk st. (now Shawmut av.); called Hanson st., Sept. 15, 1834; accepted and laid out, Oct. 17, 1855.

- †**Harbor View street**, Dor., 1870; from Dorchester av., crossing the O.C. (now N.Y., N.H. & H.) R.R. to the pumping station; laid out from Dorchester av. to Sydney st., July 6, 1892.
- Harbor view**, E.B.; Coleridge st., between Byron st. and Harmony st.; Coleridge st., between Moore st. and Wordsworth st.
- \***Harcourt street**, B., 1882; from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Dec. 27, 1882.
- Harding court**, So. B.; from Gold st., south-westerly, near D st., to W. Fifth st.
- Harlaem or Harlem place**, B., 1822; from Newbury (now Washington) st., west, near and south of West st.; rear part now discontinued, and remainder apparently now without name.
- Harleston street**, Rox.; from Parker Hill av. to Hillside st.
- \***Harley street**, Dor., 1873; from Welles av. to Roslin st.; laid out, July 31, 1873.
- Harlow street**, Dor., 1873; from Woodward park (now Folsom st.), north-westerly, crossing Howard av.; street leading south-easterly from Howard av., named Harlow st., Nov. 26, 1873.
- Harmony court**, B., 1841; from Canal st., south-west, near Market st.; built over about 1872.
- Harmony place**, E.B.; from Lexington st., south-easterly, between Meridian st. and Marion st.
- Harmony street**, E.B.; from Bennington st. to Auburn st., with proposed extension to proposed part of Coleridge st.; shown as an unnamed street on a plan dated 1838.
- †**Harold street**, Rox., 1886; from Munroe st. to Seaver st.; part between Crawford st. and Homestead st. formerly called Naseby st., laid out and named Harold st., March 10, 1886; part between Homestead st. and Hutchings st. laid out, April 20, 1888; between Townsend st. and Harrishof st., June 21, 1890; between Townsend st. and Munroe st., Oct. 7, 1890; between Crawford st. and Harrishof st., June 12, 1891.
- Harriet street**, Bri.; from Parsons st., westerly, near Arlington st.
- Harrington avenue**, Rox.; from Centre st., north-westerly, near Gardner st.; shown as an unnamed court on a plan dated 1867.
- Harris corner**, B., 1708; cor. Hanover st. and Cold lane (now Portland st.); then so called.
- Harris place**, W. Rox.; from Centre st. to Alveston st.; Harris av. so called on a map of Roxbury dated 1843-49.
- \***Harris street**, B., 1868; from Hanover st. to North st.; called Whitebread alley, 1708; Bartlett st., 1826; Harris st., April 21, 1868.
- †**Harrishof street**, Rox.; from Walnut av. to Humboldt av.; laid out from Walnut av. to Harold st., June 21, 1890; from Harold st. to Humboldt av., Dec. 23, 1893; authority to open part between Humboldt av. and Warren st. given by Street Commissioners, May 4, 1892.
- \***Harrison avenue**, B. and Rox., 1841; from Bedford st. to Warren st.; part from Essex st. to the sea called Rainsford lane, 1708; part from Beach st. to South Boston bridge (now Dover st.) called Front st., 1805; Front st. extended to Essex st., through Rainsford's lane, 1825, and from South Boston bridge to Northampton st., 1834; name of Front st. changed to Harrison av., April 26, 1841; Plymouth st., from Northampton st. to Roxbury line, accepted and name changed to Harrison av., Aug. 9, 1859; extended to Warren st., Nov. 11, 1870; extended from Essex st. to Bedford st., over Brimmer pl., part of Chickering pl. and part of Norfolk pl., July 6, 1881.

- \***Harris avenue**, W. Rox., 1852; from Centre st. to Alveston st.; called Harris pl. on a map of Roxbury dated 1843-49; accepted, Oct. 31, 1854; laid out from Austin (now Centre) st., easterly, Nov. 13, 1854.
- Harrison park**, Dor.; from Beach st., easterly.
- Harrison place**, B., 1840; from Friend st., south-west, near Causeway st.; now built over.
- Harrison place**, Chsn.; from Russell st., north-easterly, near Walker st.
- Harrison street**, Dor., 1846; from Lawrence st., north-east, crossing Quincy st.; called "Myrtle st., formerly Harrison st.," on plan dated 1869.
- Harrison street**, Dor.; from Ashland st., crossing Greenhill st.; laid out from Greenhill st. to Capen st., and name changed to Blanche st., July 21, 1885.
- Harrison street**, W. Rox.; from Florence st., north-easterly, to the B. & P. (now N.Y., N.H. & H.) R.R.
- Harrod's corner**, B., 1782; cor. Prince st. and Salem st. then so called.
- Hart place**, So. B.; from E. Eighth st., northerly, between K st. and L st.
- Hart street**, W. Rox.; from Baker st. to Prospect st.
- Hartford place**, B., 1819; from High st., south-east, near Pearl st.
- Hartford place**, Dor.; from Washington st., westerly, to land of N.Y. & N.E. R.R., near Mt. Bowdoin station; now Lynnville terrace.
- \***Hartford street**, B., 1869; from Purchase st. to Wendell st.; laid out between Purchase st. and High st., including Purchase pl., July 23, 1869; name of Quincy pl., from High st., in continuation of Hartford st. to Pearl pl. (now Wendell st.), changed to Hartford st., March 1, 1882.
- \***Hartford street**, Dor., 1869; from Howard av. to Wayland st. (formerly Howard pl.); laid out, Aug. 12, 1869.
- Hartford terrace**, Dor.; from Hartford st., north-easterly, near Howard av.
- Hartland street**, Dor.; from Saxton st. to Sydney st.
- \***Hartopp place**, Rox., 1850; from Albany st., at its junction with Dearborn st., to Chadwick st., at Orchard park; laid out from Dearborn st. to Orchard park, Dec. 13, 1870; called Hartopp st. in an atlas dated 1884; name changed to Ambrose st., March 1, 1886.
- Hart's avenue**, Bri., 1857; from Allston st., south-easterly, curving to Harvard st. (now Harvard av.); closed.
- Hart's yard**, Chsn.; from Lawrence st., south-westerly, between Austin st. and Benedict st.
- \***Hartwell street**, Rox.; from Schuyler st. to Georgia st. (formerly Georgia av.); laid out, July 28, 1892.
- Harvard alley**, B., 1820-27; from School st., westerly, by the Universalist church, to Harvard pl.; closed.
- Harvard avenue**, Dor.; from Harvard st., northerly, near Washington st.
- \***Harvard avenue**, Bri., 1873; from Cambridge st., opposite Franklin st., to Brookline line; previous to 1846 called Cedar st.; named S. Harvard st., Nov. 10, 1846; name changed to Harvard av., Dec. 30, 1873.
- Harvard court**, B., 1831; from Harvard st., southerly, between Washington st. and Harrison av.; built over.
- Harvard place**, B., 1820; from Washington st., westerly, opposite the Old South church.

- Harvard place**, Chsn.; from Harvard st., westerly, between Bow st. and Washington st.
- Harvard place**, Bri., 1873; from Washington st., southerly, between Chestnut Hill av. and Dighton pl.
- \***Harvard square**, Chsn.; between Harvard st., Main st., and City sq.; called Harvard hill in 1875.
- \***Harvard street**, B., 1732; from Washington st. to Albany st.; called Hollis st. (from Orange st., east, to the sea) in 1731; called Harvard st. in 1732; extended east to Lincoln st., and probably included Thaxter pl., 1836; accepted between Harrison av. and Albany st., July 10, 1848.
- Harvard street**, B., 1732; from Orange (now Washington) st., running north-westerly by the new church; soon after and now called Hollis st.
- \***Harvard street**, Dor., 1840; from Washington st., opposite Bowdoin st., to Blue Hill av.; named from Four corners by Samuel B. Pierce's to Brush Hill turnpike (now Blue Hill av.), March 11, 1840.
- \***Harvard street**, Chsn., 1836; from City sq. to Main st.; name of Town Hill st. changed to Harvard st., Nov. 7, 1836.
- \***Harvard street**, Bri., 1825; from Cambridge st. to Brookline line; at one time called Old Road to Cambridge; called S. Harvard st., 1846; name changed to Harvard av., Dec. 30, 1873.
- Harvard Hill**, Chsn., 1875; between Harvard st., Main st., and City sq.; called Harvard sq. in 1885.
- \***Harvest street**, Dor.; from Boston st. to Dorchester av.; laid out, Aug. 25, 1891.
- Harvest street**, Dor.; from Willowwood st., west, near Lauriat av.; shown on atlas of 1894.
- \***Harwich street**, B., 1879; from Dartmouth st. to Yarmouth st.; laid out, Nov. 6, 1879.
- Harwood street**, W. Rox., 1893; from Weld st. to Lasell st.; authority to open given by Street Commissioners, Oct. 12, 1893.
- Harwood street**, Dor.; from Willowwood st., west, near Lauriat av.; shown on atlas of 1894.
- \***Haskel street**, Bri.; from Coolidge st. to Holland road (now Hooker st.); Haskel road laid out with the name of Haskel st., Aug. 24, 1892.
- Haskins street**, B., 1803-14; Carver st., from Eliot st. to Pleasant st., then so called.
- \***Haskins street**, Rox., 1886; from Ruggles st. to Vernon st.; Belmont st. laid out, with the name of Haskins st., July 31, 1886.
- \***Hastings street**, W. Rox.; from Centre st. to Carl (now Montview) st.; Henshaw st. laid out with the name of Hastings st., June 13, 1892.
- Hathaway street**, B.; from Summer st. extended south-easterly across Atlantic av. to Congress st.
- Hathaway street**, Bri.; from Market st., easterly, towards Sparhawk st.; included in the laying out of Henshaw st.
- Hathaway street**, W. Rox.; from South st. to Centre st.
- Hathon square**, Chsn., 1878; from Main st., south-easterly, near School st.; name of Main-st. court changed to Hathon sq., April 24, 1878.
- Hatter's square**, B., 1823; a part of Creek sq. at one time.
- Haugh's corner**, B., 1708; cor. Marlboro' (now Washington) st. and School st. then so called.
- Hautvale street**, W. Rox., 1871; from Poplar st., north-westerly, near Beech st.

- Haven avenue**, Dor.; from Blue Hill av. to Oakland st.
- Haven place**, B., 1860; from Shawmut av., west, between Rutland st. and Newton (now W. Newton) st.; closed.
- \***Haven street**, B., 1847; from Shawmut av., easterly, then southerly, to Rutland st.; located, Oct. 28, 1861.
- Haven street**, E.B. (Breed's Island); from Ashley av. to Riverside av.; Bromley's atlas, 1892.
- \***Haverhill street**, B., 1807; from Haymarket sq. to Causeway st.; laid out over the Mill-pond, Aug. 3, 1807; extended to Warren bridge in 1829; the causeway leading from Causeway st. to Warren bridge accepted and declared a public highway and continuation of Haverhill st., Oct. 8, 1838.
- \***Haverhill street**, Chsn., 1858; from Main st. to Perkins st.; laid out, Dec. 24, 1868.
- Havey street**, W. Rox.; from Dudley av.
- \***Haviland street**, Rox.; from W. Chester park (now Massachusetts av.) to Parker st.; laid out, May 2, 1889.
- Havre court**, E.B.; from Havre st., north-westerly, near Sumner st.
- \***Havre street**, E.B., 1833; from Sumner st. to Bennington st.; part between Meridian-st. and Porter st. accepted and laid out conditionally, June 14, 1852; street accepted, Nov. 22, 1852; between Marion st. and Bennington st. accepted, April 23, 1861.
- Hawes avenue**, Dor., 1836; from Washington st. to Geneva av.
- \***Hawes street**, B., 1828; from Congress st. to Kilby st.; an unnamed lane shown in same place on Bonner's map of 1722; street near the Post-Office named Hawes st., Dec. 15, 1828; confirmed as a public street, Sept. 15, 1834.
- Hawkins place**, B., 1857; from Hawkins st.; cannot be identified.
- \***Hawkins street**, B., 1732; from Sudbury st. to Chardon st.; from Cambridge st., north, then east, to Sudbury st., 1732; sometimes called Tattle st., 1756-84, and according to Drake commonly so called in 1800; from Sudbury st., west, "round to Chardon's," 1784; from Bowdoin sq., easterly, to Nath. Hall's house, and from thence to Sudbury st., 1788; the part running north from Cambridge st. (Bowdoin sq.), called Chardon lane, 1795; from Sudbury st., west, to Distill-House sq. (now Bowker st.), 1800.
- Hawley place**, B., 1821-52; from Hawley st. to Marlboro' (now Washington) st., opposite Bromfield lane (now Bromfield st.); closed.
- Hawley place**, B.; from Hawley st. to Arch st., between Franklin st. and Milk st.
- \***Hawley street**, B., 1799; from Milk st. to Summer st.; called Bishop's alley in 1708; Board alley in 1792; called also Gilbert's alley, Richardson's alley and Wybourne's lane at an early date; name of Bishop's alley changed to Hawley st., Dec. 10, 1799.
- Hawthorn place**, B., 1852; from Washington st., north-westerly, near Dover st.
- \***Hawthorn street**, Rox., 1855; from Cedar st. to Highland st.; shown as Copeland st. on a plan dated 1843; accepted conditionally, from Cedar st. to Ellis st., Sept. 3, 1855; accepted and named, from Cedar st. to Highland st., Dec. 19, 1859.
- Hawthorne avenue**, Rox., 1857; from Washington st., south-easterly, between Cliff st. and St. James st.
- †**Hawthorne street**, W. Rox., 1851; from Florence st. to Sycamore st.; laid out from Florence st. to Albion (now Sycamore) st., Oct. 14, 1875; authority to open part north-west from Sycamore st. given by Street Commissioners, Sept. 6, 1894.

- Hawthorne street**, B.; name given without authority to Canton st., west of Tremont st., in 1864.
- Hayden place**, Rox.; from Cottage pl., south-westerly; included in the extension of Columbus av., Jan. 4, 1895.
- Hayden place**, So. B.; from Silver st., south-westerly, between B st. and C st.; part of what was formerly Parker's alley.
- \***Hayden street**, Rox., 1886; from Fisher av. to Lawn st.; Short st. laid out and named Hayden st., July 28, 1886.
- Hayden terrace**, Rox.; from Washington st., north-westerly, near Bartlett st.
- Haymarket, The**, B., 1789; on Tremont st., between West st. and Mason st.
- Haymarket place**, B., 1806; from Sheafe's lane (now Avery st.), south-erly.
- \***Haymarket square**, B., 1839; at the junction of Merrimac, Canal, Haverhill, Charlestown, Cross. Blackstone, Union, and Washington sts.; at junction of Merrimac, Charlestown, Blackstone, and Union sts., in 1839; parts of Canal, Market, and Charlestown sts. and land of B. & M. R. R. Co. laid out as part of Haymarket sq., April 21, 1845.
- Haynes park**, Rox.; from Warren st., opposite Woodbine st.
- \***Haynes street**, E. B., 1868; from Orleans st., south-easterly, then south-erly, then south-westerly, to Marginal st.; accepted as Centre st., Jan. 25, 1864; name of Centre st. changed to Haynes st., April 21, 1868; laid out, June 20, 1873.
- \***Hayward place**, B., 1822; from Washington st. to Harrison av.; from Newbury (now Washington) st., between Essex st. and Bedford st., east, in 1822; laid out from Washington st., Nov. 15, 1875; Harrison av. laid out, by easterly end of, July 6, 1881.
- Hayward street**, Rox., 1867; from Warren st. to Blue Hill av.; laid out and named Holborn st., Aug. 21, 1883.
- Hazel place**, Rox.; from Maywood st., easterly; also called Hazel park.
- \***Hazel street**, W. Rox., 1880; from Rockview st. to Enfield st.; part of E st., from Rockview (formerly D) st. to Enfield st., laid out and named Hazel st., Aug. 28, 1880.
- \***Hazelwood street**, Rox.; from Munroe st. to Townsend st.; laid out, Dec. 5, 1893.
- Head place**, B., 1825; from Boylston st., northerly, near Tremont st.
- Heath avenue**, Rox.; from Heath [st., southerly, then easterly, crossing Heath pl.
- Heath avenue**, E. B. (Breed's Island); from Ashley av., at junction with Leverett av., crossing Jenkins av., to Belle Isle inlet; shown on atlas, 1892.
- \***Heath place**, Rox., 1860; from Heath st. to Minden st.; laid out from Heath st. and extended to Walden st., Dec. 15, 1875; part from westerly termination of Minden st., about 115 feet, called Minden st., Aug. 10, 1881; part from Minden st. laid out as Posen st., Nov. 16, 1881; part laid out as Arklow st., Nov. 16, 1881; from westerly terminus of Arklow st. to Walden st. called Arklow st., Nov. 25, 1881; from Minden st. to Arklow st. called Ulmer st., Nov. 25, 1881.
- \***Heath street**, Rox., 1825; from Centre st. to Tremont st. (now Hunting-ton av.); north branch from Parker st., east, to Centre st., called New Heath st.; south branch from Parker st., east, to Pynchon st. (now Columbus av.) called Heath st.
- Heath street**, Chsn., 1863; from Bond st., east; not identified.

- Heathcote street**, W. Rox.; 1894; from Poplar st., to proposed extension of Hawthorne st.; authority to open given by Street Commissioners, Sept. 6, 1894.
- Heavey place**, Rox.; from Pynchon st. (now Columbus av.), easterly, near New Heath st.
- \***Hecla street**, Dor., 1892; from Adams st. to Dorchester av.; Hall's court laid out with the name of Hecla st., Aug. 30, 1892.
- Hedge place**, W. Rox., 1849; from Dedham turnpike (now Washington st.), north-westerly, parallel with Chemical av. (now Cornwall st.).
- Helena street**, W. Rox.; from Lamartine st., south-easterly, between Clark pl. and Lawndale terrace.
- Hemlock street**, W. Rox., 1872; from Washington st. to junction Roslindale av. and Bellevue av.
- Hemman street**, W. Rox.; from Poplar st. to Kittredge st.
- Henchman's lane**, B., 1709; the way leading from Charter st., down by Mrs. Buckley's, into Lynn st., 1708; previously called Declination passage and Day's alley or lane; name changed to Henchman st. in 1850.
- \***Henchman street**, B., 1850; from Charter st. to Commercial st.; Henchman's lane, from Charter st. to Lynn st., 1708; formerly known as Declination passage or Day's alley or lane; name changed to Henchman st., in 1850.
- Hendee street**, E.B.; (proposed) from Cottage st. to Shirley st. (Wood Island).
- Henderson avenue**, So. B.; from E. Sixth st., north, between H st. and I st.
- Henley's lane**, Chsn.; from Monument sq. to Warren st.; laid out in place of and named Soley st., Dec. 24, 1850.
- Henley place**, Chsn., 1859; from Chelsea st. to the Navy Yard; now Henley st.
- \***Henley street**, Chsn., 1831; from Harvard sq. to the Navy Yard; laid out 40 feet wide, 1780; laid out from Main st. to Meeting House hill, May 7, 1787; same approved by Town, Sept. 24, 1787; altered, June 23, 1788; continued to Navy Yard, Oct. 5, 1829; named Henley st., from Main st. to the Navy Yard, Oct. 3, 1831.
- \***Henry street**, E.B.; from Maverick sq. to Paris st.; shown as an unnamed street on a plan dated 1833; accepted, June 4, 1851; formerly called Hotel st.
- Henry street**, Chsn.; from Main st., north-east; plan Middlesex So. Dist. Reg., Book 11, No. 61.
- \***Henshaw street**, Bri.; from Market st. to Cambridge st.; part of formerly Hathaway st.; laid out, including Day st., Nov. 6, 1891.
- Herbert street**, Dor.; from Clarence pl. to Park (sometimes called W. Park) st.
- \***Hereford street**, B., 1871; from Beacon st. to Boylston st.; called Eighth st. on a plan dated 1866; street west of and parallel with Gloucester st., from Beacon st. to B. & A. R.R., named Hereford st., Nov. 14, 1871; laid out between Beacon st. and Marlborough st., June 24, 1875; laid out between Marlborough st. and Commonwealth av., April 9, 1877; extended from Commonwealth av. to Boylston st., Feb. 19, 1878.
- \***Herman street**, Rox., 1888; Summit st.; laid out from Circuit st. to Regent st. with the name of Herman st., Dec. 28, 1888.
- Heron avenue**, E.B. (Breed's Island); from Ashley av., crossing Riverside av. to the water; shown on atlas, 1892.



- Heron street**, W. Rox.; from Washington st., north-westerly, near La Grange st.
- \***Herrick street**, Bri., 1884; from N. Beacon st. to Hichborn st.; laid out, Dec. 26, 1884.
- Hersey place**, B., 1845; from Essex st., southerly, near Washington st.
- Hersey street**, Dor., 1872; from Haven av., north-westerly, crossing Bismarck st. and Favre st.
- Hestia park**, Rox.; from Walnut av., north-westerly, between Circuit st. and Rockland st.
- \***Hewes street**, Rox., 1884; from Regent st. to Rockland st.; laid out, Jan. 14, 1884.
- \***Hewlett street**, W. Rox., 1893; from Centre st. to Walter st.; laid out, May 17, 1893; part near Walter st. formerly called Union av.
- Hewins street**, Dor.; from Columbia st. to Erie st.
- †**Hichborn street**, Bri., 1884; from N. Beacon st., north-easterly, easterly, and southerly, to N. Beacon st. again; laid out from N. Beacon st., north-easterly and easterly, to beyond Arthur st., Aug. 27, 1884.
- Hickory avenue**, Chsn.; from Jackson st. to Ferrin st.
- \***High street**, B., 1797; from Summer st. and around Fort Hill sq. to Broad st.; called Cow lane from Summer st. to Fort Hill, 1708; name of Cow lane changed to High st., May 24, 1797; name of Washington sq. (around Fort Hill sq.) and Washington av. (from Washington sq. to Purchase st.) changed to High st., Dec. 15, 1875.
- High street**, Rox., 1845; from Washington st. (later Tremont st. and now Huntington av.), southerly, then south-easterly; later called Highland pl., and named Parker Hill av., May 3, 1870.
- High street**, Rox., 1842; from Washington (now Roxbury) st. to Orange (now Elmwood) st.; name changed to Dunlow st., April 21, 1868.
- \***High street**, Dor., 1856; from Water st. to Ericsson st.; laid out as a town-way, April 2, 1866.
- \***High street**, Dor., 1804; from Highland (now Church) st. to Commercial (now Freeport) st.; laid out from Highland st., north, by Town, March 27, 1804; named from Meeting House hill by Mr. Stone's to the gun-house, March 11, 1840.
- High street**, W. Rox., 1871; from East st., south-westerly, towards Charles River.
- \***High street**, Chsn.; 1799; from Monument sq. to Walker st.; laid out by Selectmen from Green's lane to the Training Field, March 4, 1799; Oliver Holden conveys to Town for public highway, a parcel of land called Gorham st., being a continuation of High st. terminating at the west cor. of Baptist Meeting House, July 17, 1810; continued to Bolton (now Franklin) st., June 7, 1827; accepted between Franklin st. and Walker st., Nov. 28, 1831; laid out and altered, Aug. 21, 1848; name of part from Pleasant st. to Monument court changed to Monument sq., Feb. 2, 1860; name of part from Monument court to junction of Winthrop st. and Adams st. changed to Winthrop st., Feb. 2, 1860.
- High street**, Bri.; from Dunboy st. to Bigelow st.
- High-street court**, Rox., 1865; see plan Norfolk Reg., L. 338, f. 59.
- High-street court**, B., 1825; from High st., north-west, between Federal st. and Atkinson (now Congress) st.; called High-st. pl., 1828.
- High-street court**, B., 1844; from High st., south-east, near Washington sq., 1844; at some time previous to 1879 called High-st. pl., between Hartford st. and Oliver st.
- High-street place**, B.; from High st., south-easterly, between Hartford st. and Oliver st.; called High-st. court in 1844.

- \***High-street place**, B., 1828; from High st. to Matthews st.; called High-st. court. (from High st., north-westerly) in 1825; name changed to High-st. pl., 1828; laid out and extended to Matthews st., Sept. 1, 1871.
- \***Highgate street**, Bri., 1893; from Cambridge st. to Farrington av.; Highland av. laid out from Cambridge st., and extended to Farrington av., with the name of Highgate st., Nov. 23, 1893.
- \***Highland avenue**, Rox., 1859; from Centre st. to Highland st.; laid out, Nov. 16, 1869.
- Highland avenue**, Bri., 1871; from Cambridge st., south, between Linden st. and Harvard av.; laid out and extended to Farrington av. with the name of Highgate st., Nov. 23, 1893.
- Highland avenue**, W. Rox.; from Walnut st. to Blue Hill av.; shown on atlas, 1874; now included in Franklin Park.
- Highland avenue**, W. Rox., 1851; from Centre st., north-west, near Allandale st.; now closed.
- Highland avenue**, Dor.; from Minot st., south-easterly, opposite Narragansett st.; shown as an unnamed court on a plan dated 1868.
- Highland park**, Rox., 1863; from Fort av., south-westerly, near Highland st.
- \***Highland Park avenue**, Rox., 1871; from Fort av. to Highland Park st.; laid out, Nov. 23, 1878.
- †**Highland Park street**, Rox., 1871; from Fort av., north-easterly, crossing Highland Park av.; laid out from Fort av. to Highland Park av., Nov. 23, 1878.
- Highland place**, Rox.; from Highland st., east, between Eliot sq. and Norfolk st.
- Highland place**, Rox.; from Tremont st. (now Huntington av.), southerly; called High st. on a map of Roxbury dated 1843-49; name changed to Parker Hill av., May 3, 1870.
- Highland Spring square**; junction of Parker st. and Heath st.; named, June 8, 1894.
- \***Highland street**, So. B., 1860; from Eighth (now E. Eighth) st. to Jenkins st.; accepted, July 5, 1860; name changed to Lowland st., April 21, 1868; name of Lowland st. changed to Mercer st., March 1, 1888.
- \***Highland street**, Rox., 1825; from Eliot sq., south-westerly, then north-westerly, to Centre st.; accepted, July 15, 1850.
- Highland street**, Dor.; from High st., opposite Church st., to East st.; acceptance from East st. to Church st. left with Selectmen, April 5, 1852.
- Highland street**, W. Rox., 1849; from Farrington (now Rutledge) st. to Martin st.; called so in an atlas dated 1874; called Wren st., 1884.
- High rock avenue**, Bri.; from Webster st.
- Hilburn street**, W. Rox., 1870; from Poplar st. to Metropolitan av.
- Hildreth place**, B.; from Washburn pl., south-east, between Charter st. and Hull st.; from 1846-74 a part of Washburn pl.
- Hill avenue**, Bri.; from Franklin st., near Pleasant (now Holton) st.; given in an atlas of 1875 as a part of Otis st.; no record of change of name; shown as an unnamed street on a plan dated 1869; laid out from Franklin st. to Mansfield (formerly Otis) st. with the name of Easton st., Sept 10, 1889.
- Hill street**, B., 1733; from May (now Revere) st., south, between Grove st. and Southac (now W. Cedar) st.; laid out on the land at West Boston, near the new bridge, running north and south to the Mount and near the Ropewalks, 1800; since closed.

- Hill street**, B., 1788; from Middlecot (now Bowdoin) st. round the bottom of Beacon Hill into Hancock st., opposite Mr. Austin's Ropewalk, 1788; name changed to Derne st. in 1806.
- Hill street**, B.; the westerly end of Myrtle st. was so called on Hale's plan in 1814.
- \***Hill street**, Chsn., 1848; from Webster (now Sackville) st., to Sheafe st., in Bromley's atlas of 1885; laid out from Sackville st. and extended to Cook st., July 5, 1890.
- Hill street**, W. Rox., 1872; from Central av., north, between Berry st. and Newbury st.
- Hill street**, Bri.; from Market st. to Murdock st.; part from Murdock st. to George st. laid out with the name of Elmira st., Nov. 10, 1893.
- Hill's court**, B., 1867; from Revere st., northerly, opposite Myrtle st.; probably formerly Sherman pl.; now Bellingham pl.
- Hill's lane**, B., 1733; from Essex st., south, about where Lincoln st. now is; shown on Price's map, 1769.
- Hillcrest street**, W. Rox.; from Elgin st., south-westerly, across Temple st.
- Hiller's lane**, } B., 1708; the new way leading from Mr. Pollard's corner in  
**Hillier's lane**, } Brattle st. (now sq.) through Mr. Belknap's yard into  
 Queen (now Court) st.; called also Gay alley and Belknap's alley;  
 Brattle st. extended through it to Court st., 1820.
- Hillsdale street**, Dor.; from Adams st., north-westerly, opposite Cedar Grove Cemetery.
- Hillside avenue**, Rox., 1845; from Tremont st. (now Huntington av.) to Hillside st.; on a plan in Norfolk Registry it is spoken of as a street "formerly Garden st.;" laid out with the name of Wait st., Oct. 24, 1882.
- Hillside avenue**, Rox., 1845; from High st. (now Parker Hill av.), east; Hillside st. so called on a plan in Norfolk Registry.
- Hillside avenue**, W. Rox., 1870; from Poplar st. to Clarendon ave.
- Hillside avenue**, W. Rox., 1865; from Revere st. to Seaverns av.; accepted "as laid out by Selectmen;" extended to Green st. and named Elm st., July 25, 1868.
- Hillside avenue**, Bri., 1856; from Winship av. (now Wexford st.) to the railroad; formerly from Winship av. to N. Beacon st.; part from the railroad to N. Beacon st. laid out, with Lyman av., as Wicklow st., Dec. 5, 1881.
- Hillside place**, E.B.; from Haynes st., east, near Marginal st.
- Hillside place**, Chsn.; from Bunker Hill st., south, near Main st.
- \***Hillside street**, Rox., 1868; from Parker st. to Parker Hill av.; called Hillside av. on a plan dated 1845; name of Davis st. changed to Hillside st., April 21, 1868; laid out and extended to Parker st., in part over a private way called Billings pl., April 27, 1882.
- Hillside terrace**, Dor.; from Fuller st. to Bailey st.
- Hilton street**, Rox., 1868; from junction of Swett st. and E. Chester park (now Massachusetts av.), opposite Gerard st., north-easterly; name of Canal st. changed to Hilton st., April 21, 1868.
- Hinckley street**, Dor., 1892; from Pleasant st. to Bakersfield (formerly F) st.; also called D st.; authority to open given by Street Commissioners, May 4, 1892.
- \***Hingham street**, B., 1831; from Shawmut av. to Emerald st.
- \***Hobart street**, Bri., 1888; from Brooks st. to Faneuil st.; laid out, July 20, 1888.

- Hodges' court**, Dor. ; from Norfolk st., east, near River st.
- Hog bridge**, Rox. ; over Stony Brook at Centre st., near Pynchon st. (now Columbus av.).
- Hogarth street**, E.B., 1838; from Addison st. to Trumbull st.
- Hogg alley**, B., 1708; from Newbury (now Washington) st., west, between Sheafe's lane (now Avery st.) and West st.; from Newbury st. to Common (now Tremont) st., on map dated 1722; since closed in part and the west end included in Bradford pl.; Bradford pl. built over by Keith's Theatre, 1894.
- \***Hoffman street**, Rox., 1880; from Lamartine st. to Chestnut av.; laid out from Lamartine st. to Gilbert st. (now Chestnut av.), Oct. 6, 1880.
- Hoffman street**, So. B.; proposed street from the proposed extension of B st. to the proposed extension of E st., on the so-called Commonwealth flats.
- Holborn park**, Rox. ; from 28 Holborn st.
- \***Holborn street**, Rox., 1883; from Warren st. to Blue Hill av.; formerly Hayward st.; laid out and named Holborn st., Aug. 21, 1883.
- Holborn terrace**, Rox. ; from 9 Holborn st.
- Holbrook avenue**, Dor. ; from Walnut av., north-east, near Walnut st.
- Holbrook place**, Bri. ; from N. Beacon st., south-west, between Saunders st. and Dustin st.
- \***Holbrook street**, W. Rox., 1877; from Centre st. to Eliot st.; Monument st. laid out and named Holbrook st., May 21, 1877.
- Holden court**, B. ; 1859; from Commercial st., westerly, between Hanover st. and Battery st.
- Holden place**, B., 1834; from Belknap (now Joy) st., west, between Cambridge st. and Myrtle st.
- Holden place**, Dor., 1871; from Dudley st., north-east, near Humphreys st.
- Holden row**, Chsn., 1878; from Wesley st. to Salem Hill court; named, March 12, 1878.
- Holiday street**, Dor., 1893; from Bowdoin st. to Topliff st.; authority to open given by Street Commissioners, March 22, 1893.
- Holland place**, B., 1857; from Tyler st., east, near Harvard st.
- Holland street**, Rox., from Crawford st. to Humboldt av.; laid out from Crawford st. to Harold st., Dec. 28, 1892, and from Harold st. to Humboldt av., Oct. 12, 1893, with the name of Hollander st.
- Holland road**, Bri. ; from N. Harvard st. to Royal st. (formerly Royal road); also called Holland st.; laid out as Hooker st., Aug. 26, 1892.
- \***Hollander street**, Rox., 1892; from Crawford st. to Humboldt av.; Holland st. laid out from Crawford st. to Harold st. with name of Hollander st., Dec. 28, 1892; from Harold st. to Humboldt av., Oct. 12, 1893.
- Holloway's corner**, B., 1708; cor. of Milk st. and Battree March then so called; called Hallowell's cor., 1732.
- Holley square**, B., 1854; from Hollis st., south, near Washington st.
- Hollingsworth street**, Dor. ; from Oakland st., south-west, near N.Y. & N.E. R.R.
- Hollis place**, B., 1847; from Hollis st., northerly, near Tremont st.
- Hollis place**, Bri. ; from Allston st., south-east, near Brighton av.; shown as an unnamed place from Allston st. to Harts av., on a plan dated 1856.
- Hollis place**, Rox. ; from Roxbury st. to Vernon st.; laid out with the name of Kent st., Nov. 19, 1888.

- \***Hollis street**, B., 1732; from Washington st. to Tremont st.; called Broad alley, 1722; Mar. 2, 1730, it had not received a name; called Harvard st., from Orange (now Washington) st. running north-westerly by the new church, 1731; named Hollis st., 1732; by Price's map, 1743, extended across Clough (now Tremont) st.
- Hollis street**, B., 1731; from Orange (now Washington) st., east, to the sea; named Harvard st. in 1732.
- Holly street**, Rox., 1871; from Ruggles st., south-westerly, between Halleck st. and Duncan st.
- \***Holman street**, Bri., 1892; from Coolidge st. to Hooker st.; Homer road laid out from Coolidge st. to Holland road (now Hooker st.), Aug. 26, 1892.
- Holmes avenue**, Bri., 1872; from Harvard av., westerly, towards Warren st., crossing Gorham st. and Griggs st.
- Holmes street**, Bri.; from Raymond st., northerly, between Franklin st. and Riverdale st.
- Holmes place**, Dor.; from Mill st., south-easterly, between Neponset av. and Tenean creek; called Mill-street pl. on plan dated 1884; included in Houghton st., Nov. 27, 1891.
- Holmes' alley**, B., 1822; in the rear and west of Belknap (now Joy) st., between Cambridge st. and Myrtle st.; given in the Directory of 1880 as "rear of Joy, from Smith court"; not given later than 1880.
- \***Holton street**, Bri., 1887; from Franklin st. to Everett st.; Pleasant st. laid out and name changed to Holton st., Aug. 2, 1887.
- Holton street**, Bri.; from Brooks st., south-easterly, between Hobart st. and Crosby st.
- \***Holworthy street**, Rox., 1892; from Walnut av. to Humboldt av.; laid out from Walnut av. to Harold st., Dec. 2, 1892, and from Harold st. to Humboldt av., Nov. 1, 1893.
- \***Holyoke street**, B., 1868; from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R.; laid out, Dec. 7, 1869.
- Holyoke street**, B., 1740; laid out by owners from Frog lane (now Boylston st.) to Hollis st.; called Clough st. in 1733; from Walker or Common st. to Frog lane, 1750; made part of and named Nassau st., 1788; called Tremont st., 1824.
- Home avenue**, Bri., 1891; from N. Harvard st., near Cambridge st., north-easterly; authority to open given by Street Commissioners, July 10, 1891; laid out with the name of Hopedale st., April 29, 1892.
- Homer place**, Rox.; from Moreland st. to Winthrop st., between Cleveland st. and Fairland st.
- Homer road**, Bri.; from Coolidge st. to Holland road (now Hooker st.); laid out with the name of Holman st., Aug. 26, 1892.
- Homer street**, Dor., 1871; from Washington st. to Milton av.; laid out and named Rockwell st., Feb. 2, 1880.
- †**Homer street**, E.B.; from West st., south-westerly, crossing B., R.B., & L. R.R., and the Jews' cemetery, to Moore st., with proposed extension to proposed part of Harmony st.; laid out from Byron st. to Moore st., June 23, 1891.
- Homes avenue**, Dor., 1893; from Bowdoin st. to Topliff st.; authority to open given by Street Commissioners, March 22, 1893.
- Homes avenue**, Dor., 1868; from Adams st., opposite Linden st., westerly, southerly, and again westerly.
- Homes place**, Chsn.; from Main st., south-west, between Gardner st. and Haverhill st.
- Homes street**, Dor.; from Homes av. to Fox st.

- Homestead avenue**, Dor. ; from Magnolia st. to Hartford st. ; now Robinhood st.
- Homestead place**, Chsn. ; from Main st., south-west, between Austin st. and Chapman st.
- †**Homestead street**, Rox., 1878 ; from Walnut av. to Elm Hill av. ; laid out from Walnut av. to Humboldt av., July 5, 1887.
- Honcheu's corner**, B., 1708 ; the north end of Queen (now Court) st. and Hanover st. then so called.
- \***Hooker street**, Bri., 1892 ; from N. Harvard st. to Royal st. ; Holland road laid out with the name Hooker st., Aug. 26, 1892.
- Hooper avenue**, Dor. ; from Magnolia st. to Hartford st.
- \***Hooper street**, Dor. ; from Melville av. to Tremlett st. ; laid out, Sept. 16, 1885.
- Hooten court**, E.B. ; from Everett st., south-westerly, near Lamson st.
- Hope place**, B., 1870 ; from N. Russell st., west, near Cambridge st.
- \***Hopedale street**, Bri., 1892 ; from N. Harvard st. to a point near and north-east of Windom st. ; Home av. laid out with the name of Hopedale st., April 29, 1892.
- Hopkins place**, Dor. ; from Fremont pl., south-east.
- \***Hopkins street**, Dor. ; from Evans st. to Corbet st. ; laid out, Oct. 7, 1892.
- \***Horace street**, E.B., 1891 ; from Moore st. to Byron st. ; part of Milton st., between Moore st. and Byron st., laid out with the name of Horace st., July 2, 1891.
- Horn lane**, B., 1795 ; from Milk st. to Water st. ; previously called Tanner's lane ; at one time called Horse lane ; name changed to Bath st., 1807.
- Horse lane**, B. ; Horn lane from Milk st. to Water st. at one time so called ; now Bath st.
- Hotel street**, E.B., 1833 ; from Hotel (now Maverick) sq. to Paris st. ; accepted as Henry st., June 4, 1851.
- \***Hotel square**, E.B., 1833 ; from Sumner st. to Maverick st. ; laid out, Aug. 7, 1848 ; now Maverick sq.
- Houghton place**, Rox., 1868 ; from Centre st., southerly, near Wyman st. ; name of Irving pl. changed to Houghton pl., April 21, 1868 ; included in Mozart st., May 19, 1887.
- \***Houghton street**, Dor. ; from Pope's Hill (formerly Clay) st. to Mill st. ; laid out, including Holmes pl., Nov. 27, 1891.
- Houston place**, Rox., 1866 ; from Tremont st. (now Columbus av.), southerly, near Texas av. (now st.) crossing Texas court ; part at Tremont st. now built over.
- Houston street**, W. Rox. ; crossing Montview (formerly Carl) st., from north-west to south-east.
- Hovey avenue**, Dor. ; from Blue Hill av., north-easterly, towards the Catholic cemetery, crossing Lyons st. ; part included in Franklin Field ; has probably been known at some time as Noyes av., and is so called in Bromley's atlas of Dorchester of 1889.
- Hovey avenue**, Chsn. ; from Main st., south-westerly, nearly opposite Baldwin st. ; called also Hovey's court.
- Hovey's court**, Chsn. ; rear of 444 Main st. ; called Hovey av., from 444 Main st. to Rutherford av. on chart, 1885.
- \***Howard avenue**, Dor. ; from Dudley st. to Quincy st. ; laid out, Aug. 12, 1869.

- Howard place**, Chsn.; from Elm st., south-easterly, between High st. and Bartlett st.
- †**Howard place**, Bri., 1872; from Union st. to Commonwealth (formerly Massachusetts) av.; part of now included in Union st.; shown as an unnamed passageway on a plan dated 1871; accepted from Washington st. to a point about 100 feet south-west of the present angle in Union st., July 8, 1872.
- Howard place**, Dor.; from Howard av., north-east, near Dudley st.
- \***Howard street**, B., 1821; from Court st. to Bulfinch st.; called Southack's court from Court st., opposite Hanover st., westerly, 1732; to Dr. Bulfinch's pasture, 1788; to Bulfinch st., 1817; name changed to Howard st., April 11, 1821.
- Howard street**, Dor., 1857; from Howard av. to Magnolia st.; also called Howard pl.; laid out, Aug. 12, 1869; name changed to Wayland st., March 1, 1888.
- \***Howard street**, Rox., 1865; from Hampden st. to Magazine st.; from Hampden st., south-easterly, crossing Gerard st., 1865; extended to Magazine st., May 16, 1893.
- Howard street**, So. B., 1854; from Dorchester av., west, north of and near Swett st.; name changed to Dexter st., Aug. 7, 1855.
- Howe court**, Rox., 1868; from Tremont st., south-east, between Ruggles st. and Weston st.; name of Cottage pl. changed to Howe court, April 21, 1868.
- Howe place**, Chsn.; from Quincy st., north-west.
- Howe street**, Dor.; from junction Neponset av. and Adams st., opposite Parkman st., to Tenean creek; shown as an unnamed street on a plan dated 1852.
- Howe street**, Dor.; from Hancock st., south-west, near Rill st.
- Howe street**, E.B. (Breed's Island); from Riverside av. to the water; shown on atlas, 1892.
- \***Howell street**, Dor.; from Dorchester av. to Boston st.; shown as Newell st. on atlas, 1884; laid out, Dec. 28, 1892.
- Howes avenue**, So. B.; from H st., west, between E. Sixth st. and E. Seventh st.
- Howes steet**, Dor.; from Dorchester av., west, between E. Cottage st. and Mayfield st.
- \***Howland street**, Rox., 1880; from Warren st. across Humboldt av.; laid out from Warren st., westerly, Jan. 28, 1880; extended to Elm Hill av., May 19, 1882; from Elm Hill av. to Humboldt av., Oct. 13, 1887; west of Humboldt av., June 8, 1892.
- Hoyt place**, B., 1857; from Joy st., west, near Cambridge st.
- Hubbard street**, Bri.; from Western av., near N. Harvard st., south, to Rena st.
- Hubbard terrace**, Rox.; from Eustis st., north-east, between Hampden st. and Magazine st.
- Hubbardston street**, Dor.; from Boston st., north-west, opposite Dorset st.; shown on atlas of 1884.
- Huckins avenue**, Rox., 1858; from Blue Hill av. to Dennis st.; laid out with the name of Huckins st., June 26, 1882.
- \***Huckins street**, Rox., 1882; from Blue Hill av. to Dennis st.; Huckins av. laid out and named Huckins st., June 26, 1882.
- Hudson place**, B., 1844; from Hudson st., westerly, near Kneeland st.
- \***Hudson street**, Dor., 1862; from Dudley st. to Clifton st.; from Dudley st. to George st., at junction Clifton st., 1862; laid out, Aug. 12, 1869.

- \***Hudson street**, Chsn., 1871; from Chelsea st. to Water st.; name of Chelsea pl. changed to Hudson st., Feb. 6, 1871.
- \***Hudson street**, B., 1846; from Beach st. to Curve st.; part from Beach st. to Kneeland st. accepted, Sept. 21, 1846; part from Kneeland st., 253 feet towards Harvard st., accepted, Oct. 18, 1847; from Harvard st. to Oak st. accepted, July 10, 1848; from Harvard st. to Kneeland st. and from Oak st. to Curve st., accepted, Jan. 5, 1856.
- Hudson's lane**, B., 1658; from Orange-tree lane, east; Wing's lane, 1708; Elm st., 1800.
- Hudson's point**, B., 1708; the extreme north-east point of the town, on Charles River; called Mylne point in 1635.
- Huff place**, B., 1848; from Tyler st. to Curve st.; closed.
- \***Hulbert street**, Rox.; from Washington st. to Regent st.; laid out, Nov. 6, 1882.
- \***Hull street**, B., 1701; from Salem st. to Commercial st.; granted to Town by Samuel Sewall, May 20, 1701; from Salem st. to the North Burial Ground, 1708; from Salem st. to Snow st., 1733; extended across Snow st. or Snow-Hill st. to Lynn (now Commercial) st., 1828, which part was also called Brown st.
- Hull street**, Chsn.; from Bunker Hill st. to Vine st.
- Hull street**, Rox., 1845; from Walnut st. (now Walnut av.) to Bainbridge st.; shown on plans to 1860; probably included in Washington park, except part included in southerly end of Bainbridge st.
- Hull-street court**, B., 1837; from Hull st., south-westerly, near Salem st.
- Hull-street place**, B.; from Hull st., south-westerly, near Snow-Hill st.
- Hull's row**, Chsn.; from Mill st., southerly.
- \***Humboldt avenue**, Rox., 1882; from Seaver st. to Walnut av.; Williams av. laid out from Seaver st. and extended to Munroe st., and name changed to Humboldt av., Dec. 30, 1882; extended from Munroe st. to Walnut av., Sept. 15, 1886.
- Humboldt park**, Rox.; from Bower st., south-westerly, between Humboldt av. and Warren st.
- Humboldt place**, So. B., 1871; from Dorchester av., westerly, near Dexter st.; named, Nov. 27, 1871.
- Humphrey court**, So. B.; from W. Fourth st., north-easterly, adjoining N.Y. & N.E. R.R.
- Humphrey place**, B., 1825; from Hamilton st., east, 1825; laid out and extended to Broad st., including part of Half Moon pl., and name changed to Wendell st., Dec. 30, 1870.
- Humphreys place**, Dor.; from Humphreys street., north-west, near Dudley st.
- Humphreys square**, Dor.; from Dudley st., north-easterly, to Iona st.
- \***Humphreys street**, Dor., 1840; from Dudley st. to E. Cottage st.; road by Deacon Humphreys' (Stoughton, now Dudley st.) altered and new lane laid out from same to another lane (Cottage, now E. Cottage st.), April, 1800; street from Deacon Humphreys' to Mr. Bridgham's named Humphreys st., March 11, 1840.
- Hunneman court**, Rox.; from Harrison av., north-westerly; now Plymouth court.
- Hunneman place**, Rox.; from Washington st., south-easterly, between Hunneman st. and Eustis st.; shown as Hunneman court on city map, 1891, and Bromley atlas, 1890.
- \***Hunneman street**, Rox., 1864; from Washington st. to Albany st.; accepted conditionally from Washington st. to Harrison av., May 30, 1864; laid out from Harrison av. to Albany st., Nov. 27, 1874; from Harrison av. to Washington st., Dec. 1, 1891.



- Hunnewell court**, Rox.; from Culvert pl. (now Downing st.), north-westerly, to Hampshire st.; now called Salvisberg av.
- Hunnewell place**, E.B.; from Marion st., south-westerly, between Princeton st. and Saratoga st.
- \***Huntington avenue**, B. and Rox., 1864; from Boylston st., at Copley sq., to Tremont st. at junction with Francis st.; laid out from Boylston st. to Camden (now Gainsborough) st., Nov. 1, 1875; extended from Camden st. to Parker st., May 24, 1881; from Parker st. to Tremont st., Dec. 29, 1882; over a part of Tremont st., from Francis st. to the Brookline line, Jan. 5, 1895.
- Huntington avenue**, W. Rox.; from Canterbury st., near Hyde Park av., to Hyde park line.
- Huntoon street**, Dor.; from Medway st. (formerly Riverview av.), north-easterly, crossing Butler st.
- Hunt's corner**, B., 1800; corner Fish (now North) st., and Sun court then so called.
- Huron street**, E.B.; (proposed) from Cottage st. to Georgia st. (Wood Island).
- Hutchins avenue**, Rox.; from Day st., north-west.
- †**Hutchings street**, Rox., 1878; from Elm Hill av. to Harold (formerly Naseby) st.; laid out from Humboldt av. to Harold st., April 20, 1888.
- Hutchinson lane or street**, B., 1732; from Milk st. to Cow lane (now High st.); shown in 1722; named in 1732; called Palmer st. in 1788; by plan of 1789 called Green lane; name of Hutchinson st. changed to Pearl st., Jan. 22, 1800.
- Hutchinson street**, Dor.; from Codman st., south, across Brook st.
- Hyde street**, So. B., 1872; from Dorchester av., easterly, to O.C. (now N.Y., N.H. & H.) R.R.
- \***Hyde Park avenue**, W. Rox.; from Washington st. to Hyde Park line; from Canterbury st. to Dorchester line laid out as Belgrade st. on a map of Roxbury dated 1843-49; laid out from River st., Dorchester, nearly parallel with B. & P. (now N.Y., N.H. & H.) R.R. to new road from Mattapan to West Roxbury (now Ashland st.), Dec., 1859; extended from Mattapan road to Walkhill st., running nearly parallel with the railroad, May, 1869; location changed from Walkhill st. to land of Bussey heirs, Jan., 1870; extended through a portion of Walkhill st. to Washington st., Dec. 27, 1878.
- Hyde square**, W. Rox.; junction of Centre, Perkins and Day sts. so called.
- \***I street**, So. B., 1805; from north of E. First st. to south of (proposed) E. Tenth st., with proposed extensions, northerly, to proposed extension of Eastern av. (now Congress st.), and southerly to line of Old Harbor (1884); from salt water on the south to the Harbor of Boston on the north laid out and named, Feb. 27, 1805; laid out from low-water mark north of First st. to harbor line in Dorchester bay, Nov. 17, 1868; southerly portion of that part south of E. Ninth st. now included in the Strandway.
- Ice court**, Chsn.; from Water st., north-west, between Foss st. and Wapping st.
- \***Ida street**, E.B., 1892; from Ruth st. to Brigham st.; laid out, including a part of Terrace pl., Nov. 26, 1892.
- Idaho street**, Dor., from River st., northerly, near Cedar st.
- Inches corner**, B., 1784; corner Orange (now Washington) st. and Eliot st. then so called.

- \***Independence square**, So. B., 1859; between E. Second and N sts., E. Broadway and M st.; laid out, Dec. 31, 1857; named, May 10, 1859; accepted, Oct. 1, 1860.
- †**India square**, B., 1873; from Broad st., north-easterly, to India st., and from India sq., easterly, to Atlantic av.; passageway from Broad st. to India st., accepted and named India st., Aug. 8, 1842; part of India wharf between Broad st. and Atlantic av. called India sq., Feb. 12, 1873.
- \***India street**, B., 1804; from State st. to India wharf; from Long wharf to India wharf, 1817; laid out around the Custom House, Oct. 2, 1837; laid out, named and accepted to India wharf, April 11, 1842; passageway from Broad st. to India st., accepted, and named India st. (now India sq.), Aug. 8, 1842; laid out from India sq. to Atlantic av., Dec. 8, 1884.
- India wharf**, B.; from Atlantic av., easterly, opposite India sq.; part of India wharf, between Broad st. and Atlantic av., called India sq., Feb. 12, 1873.
- Indian lane**, Bri.; Nonantum st., from Washington st. to Newton line formerly so called.
- Indian way**, Dor., 1855; laid out as a part of Savin Hill av., Aug. 12, 1869.
- \***Indiana place**, B., 1843; from Washington st. to Tremont st.; from Washington st. west, 1843; accepted "as at present laid out" from Washington st. to Tremont st., Oct. 11, 1852; extended to Tremont st. in 1859; name changed to Corning st., March 1, 1895.
- Indiana street**, B., 1844; from Washington st. to Harrison av.; called Distill-House st., 1826; name changed to Indiana st. in 1844; accepted conditionally, May 21, 1849.
- Ingersoll place**, B., 1847; from Purchase st., south-east, near Belmont (now Oliver) st.; name changed to Quiet pl. in 1849; built over.
- \***Ingleside street**, Rox., 1892; from Blue Hill av. to Dacia st.; laid out, Nov. 3, 1892.
- Inner temple**, B., 1727; in Prison lane, Queen (now Court) st.
- Institute avenue**, B., 1867; from Endicott st. to N. Margin st.; built over.
- Intervale park**, Dor.; from Bourneside st. to Upland av.
- \***Intervale street**, Rox., 1892; from Warren st. to Blue Hill av.; laid out, Oct. 15, 1892.
- Iona street**, Dor.; from Humphreys st. to Humphreys sq.
- Iowa street**, Dor.; from Westville st. to Dakota st.
- Ipswich place**, E.B.; from Everett st., south-westerly, between Jeffries st. and Lamson st.
- Ipswich street**, Rox.; from Beacon st. to B. & A. R.R.; included in the Back Bay Fens and called Charlesgate-east, Dec. 30, 1887.
- Irving place**, B., 1859; from Irving st., west, near Cambridge st.
- Irving place**, Rox.; from Centre st.; name changed to Houghton pl., April 21, 1868.
- Irving place**, Chsn., 1872; from Main st., north-easterly, between Albion pl. and Baldwin st.
- \***Irving street**, B., 1855; from Cambridge st. to Myrtle st.; called Butolph or Buttolf st., 1733; name changed to Irving st., April 25, 1855.
- Irving street**, W. Rox., 1870; from Anawan av., near Park st., south-easterly, nearly to Pelton st., and from Pelton st., south-easterly.
- \***Irvington street**, B., 1884; from Huntington av. to B & P. (now N.Y., N.H. & H.) R.R.; laid out from Huntington av. to St. Botolph st., April 10, 1884; from St. Botolph st. to the railroad, July 23, 1889.

- Irwin avenue**, Rox. ; from Blue Hill av., north-west, opposite Woodville st.
- \***Isabella street**, B., 1863; from Ferdinand st. to Columbus av.; laid out, Dec. 22, 1876.
- Island street**, E. B., 1845; from Cottage st. to proposed part of Orleans st.; from Frankfort st. to Cleveland st., 1895, with proposed extension north-west to a proposed part of Orleans st.
- †**Island road**, } Rox., 1832; from Hampden st. to Magazine st.; laid out  
**Island street**, } from Hampden st. to Gerard st., Aug. 5, 1876.
- Isleworth street**, B. ri., 1887; from Chestnut Hill av. to Englewood av.; Roxbury av. laid out as a public street and named Isleworth st., May 11, 1887; name changed to Sutherland road, March 1, 1892.
- †**Ivanhoe street**, B., 1868; from Upton st. to W. Brookline st.; name of Waverly st. changed to Ivanhoe st., April 21, 1868; laid out from W. Canton st. to W. Brookline st., Nov. 9, 1870; from W. Canton st. to W. Dedham st., May 13, 1871.
- Ivers street**, B., 1820; from Hawkins st., north, to the Mill-pond; sometimes called Ivers lane; from Bowdoin sq. to Merrimac st., including Chardon st., Dec. 30, 1859; name of same changed to Chardon st., May 22, 1860.
- \***Ivory street**, W. Rox., 1872; from Temple st. to Dent st.; laid out, Sept. 28, 1876.
- \***Ivy street**, B. and Rox.; from Mountfort st. to St. Mary's st., the Brook line line; laid out, June 12, 1894.
- Jackson avenue**, B., 1837; from Charter st. to Commercial st.; called Board alley in 1833; named changed to Jackson av. in 1837.
- Jackson avenue**, Bri.; from Chestnut Hill av. to Rockland st.
- Jackson court**, B., 1836; from N. Margin st., west; built over.
- Jackson place**, B., 1827; from Winter st., south-westerly, near Washington st.
- Jackson place**, Dor.; from School st., south-westerly.
- Jackson square**, Bri., 1871; at junction of Everett (now Dunboy) st. and Webster st.
- Jackson street**, So. B., 1875; from Boston st. to Dorchester av.; portion laid out, eastwardly from Boston st., Dec. 24, 1875; laid out with the name of Rawson st. from Boston st. to Dorchester av., Dec. 29, 1892.
- \***Jackson street**, Chsn., 1864; from Bunker Hill st. to Perrin st.; laid out, July 25, 1864.
- Jackson's corner**, B., 1732; at the head of the Town Dock, Dock sq.
- Jackson's corner**, B., 1732; at the Mill-creek, Ann (now North) st.
- Jamaica place**, W. Rox.; from Jamaica st., westerly.
- Jamaica street**, Dor., 1802; from Norfolk st. to Back st., opposite Walk Hill st.; laid out from road leading from Boies' mill to Dr. Jasper Baker's to old road leading to Meeting House, Jamaica Plain, April, 1802; located from Samuel Cox's to Roxbury (now West Roxbury) line, April 2, 1804; named from Cox's corner to Back st. and Roxbury line, March 11, 1840; named changed to Walk Hill st., being a continuation of that street, May 9, 1876.
- \***Jamaica street**, W. Rox., 1851; from South st., westerly, southerly, westerly, northerly, and easterly, back to Jamaica st.; laid out from South st. to Woodman st., Dec. 9, 1878; extended, July 3, 1882.
- Jamaica street**, W. Rox., 1850; easterly part of Child st., from Lee st. to Starr (now Call) st. called so on a plan in Norfolk Registry, 1850.
- Jamaicaway**, Rox. and W. Rox.; from Tremont st. (now Huntington av.) to Prince st.

- James avenue, So. B.;** from G st., westerly, near E. Eighth st.
- James place, B., 1839;** from Anderson st., westerly, between Phillips st. and Revere st.
- \*James street, B., 1857;** from E. Brookline st. to E. Concord st.; named, Dec. 8, 1857.
- James street, Rox., 1799;** from land of Joel Gay to the road to the salt marsh (plan l. 13, f. 183, Norf. Reg.); laid out as a new road 50 feet wide and called in deed James st.; shown on plan l. 17, f. 57, Norf. Reg.
- James street, W. Rox., 1872;** from Poplar st., north-westerly, parallel with Charles (now Cornell) st. and Beech st. to Kittredge st.
- Jarvis place, Rox., 1870;** from George st., easterly, between Magazine st. and Langdon st.; named, May 10, 1870.
- Jarvis row, B., 1805;** from Newbury (now Washington) st., east, south of Suffolk pl.; name changed to Norfolk pl. in 1823.
- Jarvis's corner, B., 1800;** cor. of Newbury (now Washington) st. and Summer st. then so called.
- Jasper place, B., 1849;** from North st., south-east, near Langdon pl.; same as City slip.
- Jay street, So. B.;** from E. Fourth st. to E. Fifth st., between I st. and K st.
- Jay street, W. Rox., 1848;** from Martin st., south-east, to La Grange st.
- Jay street, Chsn., 1818;** from Chelsea st. to Edgeworth st.; laid out, May 23, 1859; name changed to Tremont st., Oct. 29, 1866.
- Jeannette place, W. Rox.;** from Washington st., south-east, between Ashland st. and Poplar st.
- Jefferson avenue, Chsn.;** from Bunker Hill st. to Bartlett st.; shown as an unnamed street on plan dated 1839.
- Jefferson place, B., 181-;** from Bennett st., southerly, between Harrison av. and Ash st.
- \*Jefferson street, B., 1824;** from Fayette st. to Tremont st.; from Fayette st., 1824; extended to Tremont st., 1834; accepted conditionally, Sept. 19, 1842; decided to have become public by dedication, Dec. 20, 1880.
- \*Jeffries street, E.B., 1836;** from Marginal st. to Maverick st.; laid out and accepted, April 10, 1854.
- Jenkins avenue, E.B. (Breed's Island);** from Beachmont av., easterly, to a junction with Ashley av. at Belle Isle inlet; Bromley's atlas, 1892.
- Jenkins place, B., 1834;** from Commercial st.; included in the North End park.
- \*Jenkins street, So. B., 1855;** from Dorchester st. to Lowland st.; name of Lewis st. changed to Jenkins st., Aug. 7, 1855; laid out from Dorchester st. to O.C. (now N.Y., N.H. & H.) R.R., Nov. 2, 1876.
- Jenner street, Chsn., 1866;** from Bow st. to Front st.; "recently" laid out over Cook's lane; named Jenner st., Sept. 17, 1866.
- Jennings place, Chsn.;** from Medford st., south-westerly, between Polk st. and Elm st.
- Jephson's corner, B., 1732;** cor. of Marshall lane and Creek lane then so called.
- Jerome place, Chsn.;** from Bunker Hill st., northerly; laid out from Bunker Hill st. to Princeton st. with name of Sprague st., Aug. 11, 1892.
- \*Jerome street, Dor., 1883;** from Hancock st. to Everett av.; part of Everett av., from Hancock st. to the part already public, laid out as Jerome st., March 22, 1883.

- Jersey street**, Rox.; from Beacon st. to B. & A. R.R.; included in Back Bay Fens and called Charlesgate-west, Dec. 30, 1887.
- Jersey street**, Bri., 1882; from Third st. to Fifth st.; now in Brighton cattle-yards, near B. & A. R.R.
- \***Jess street**, W. Rox.; from Porter st., south-westerly; laid out, Dec. 13, 1876.
- Jewel place**, Rox.; from Ottawa st., northerly, near Sherman st.
- Jewett street**, W. Rox.; from Neponset av. to Mt. Hope st.
- \***John street**, B., 1869; from Fulton st. to North st.; called Shoe and Leather st. in 1842; laid out as John st., Feb. 2, 1869.
- \***John A. Andrew street**, W. Rox., 1871; from Newbern st. to Carolina av.; laid out, Dec. 5, 1881.
- Johnson avenue**, Chsn., 1846; from Main st. to Lawrence st.; named Miller st., Sept. 2, 1844; name changed to Johnson's av., March 9, 1846.
- Johnson place**, Dor.; from River st., north-westerly, between Morton st. and River court.
- \***Johnson street**, W. Rox., 1888; Ballanakill av., from Baker st., laid out with name of Johnson st., Jan. 6, 1888.
- Johnson street**, W. Rox.; from Jamaica st., south, then west.
- \***Joiner street**, Chsn., 1827; from Park st. to Water st.; laid out opposite O. W. Preston's lot to Deacon Thos. Miller's house, May 21, 1827; laid out near site of fire, Dec. 23, 1835; laid out as far as practicable and accepted, March 28, 1836.
- Joliff's lane**, B., 1708; called also Joliff's, Jolliff's, Joyliff's, and Joylieff's lane; at one time called Black Jack alley; from Water st. to Milk st.; called Devonshire st., 1784; by Edes list, 1800, called Jolliff's lane and also by Carleton's map of 1800; called Devonshire st.
- Jones avenue**, Dor.; from Mascot st. to Ballou av.
- Jones street**, W. Rox.; from Walter st. to Fairview st.; authority to open given by Street Commissioners, April 21, 1894.
- Jones street**, E.B. (Breed's Island); from Ashley av. crossing Jenkins av., to Belle Isle inlet; shown on atlas, 1892.
- \***Jordan street**, W. Rox., 1872; from Dent st. to Lagrange st., near West Roxbury station; laid out, Sept. 28, 1876.
- Josephine street**, Dor.; from Ditson st. to Geneva av.
- Joy place**, B., 1834; rear of west side of Belknap (now Joy) st., near Beacon st.; closed.
- \***Joy street**, B., 1851; from Beacon st. to Cambridge st.; part from Cambridge st. to May (now Myrtle) st. called Belknap's lane, 1787; same called Belknap st., 1789; extended south to Beacon st. through Clapboard st. and George st., 1803; Belknap st., between Myrtle st. and Beacon st. called Joy st., Jan., 1851; Belknap st., from Beacon st. to Cambridge st., named Joy st., Feb. 26, 1855.
- Joy street**, W. Rox.; from Brookline line, south-west, crossing Raymond, Bruce and Walker sts.
- Jubes lane**, W. Rox.; an early name for Curtis (now Forest Hills) st.; shown on plans dated 1845.
- \***Judson street**, Dor., 1892; from W. Cottage st. to Dromey av.; laid out, Feb. 26, 1892.
- \***Julian street**, Rox., 1892; between Blue Hill av. and Rand sq.; name of part of Rand st. changed to Julian st., March 1, 1892.
- \***Juniper street**, Rox., 1881; from Cedar st. to Thornton st.; laid out from Cedar st., in part upon a portion of private way known as Cedar sq., to Thorton st. extended to Guild st., Dec. 10, 1881.

- Juniper terrace**, Rox. ; from Washington st. to Juniper st., between Cedar st. and Guild st.
- \***K street**, So. B., 1805 ; from north of E. First st., south, to the Strandway ; laid out and named from salt water on the south to the Harbor of Boston on the north, Feb. 27, 1805 ; laid out from low-water mark north of First (now W. First) st. to harbor line in Old Harbor, Nov. 17, 1868 ; portion of K st. from harbor line in Old Harbor to E. Ninth st. now included in the Strandway.
- K-street place**, So. B. ; from K st., east, between E. Broadway and E. Third st.
- Kaine street**, Dor. ; from Richardson av. between Locust st. and Story st., west, to end of Buttonwood st.
- Kalada park**, Rox. ; from Holborn st. ; authority to open given by Street Commissioners, July 20, 1893.
- \***Kane street**, Dor. ; from Bellevue st. to Stanley st. ; formerly called Bellevue terrace ; laid out, June 19, 1889.
- Kearsarge avenue**, Rox., 1868 ; from Warren st. to Winthrop st. ; name of Mt. Vernon pl. having been changed to Mt. Warren pl., Oct. 30, 1865 ; named Kearsarge ave., April 21, 1868.
- Kearsarge place**, Rox. ; part of Kearsarge av. from Winthrop st. in a general northerly direction, to angle in same, so called in 1873.
- Keith avenue**, W. Rox. ; from Baker st., near Mt. Vernon st., to La Grange st. ; also called Keith st.
- Keith's alley**, B., 1865 ; from North st., near Richmond st., north-west ; a portion of what was called Clark's alley, 1824 ; called Keith alley on plan dated 1865.
- Keith street**, W. Rox. ; from Baker st., near Mt. Vernon st., to La Grange st. ; also called Keith av.
- Kellam place**, B., 1837 ; near Lucas pl. and st. ; included in Chapman (now Compton) st., which was laid out from Washington st. to Tremont st. in 1852.
- Kelley court**, Chsn. ; from Cook st. to Sheafe st. ; same given "Kellies block" on chart, 1875.
- Kelley court**, Bri. ; from Western av., south-easterly, towards Waverly st. ; same called Kelly's lane, 1884.
- Kelley's lane**, Bri. ; from Western av., south-easterly, towards Waverly st. ; same called Kelley court in 1875.
- Kellies block**, Chsn. ; from Cook st., north-westerly, 1875 ; same called Kelley court, from Cook st. to Sheafe st., 1884.
- Kemble place**, So. B. ; from P st., near cor. E. Second st., west ; also called Kimball pl.
- †**Kemble street**, Rox., 1865 ; from Hampden st., east, then south-east parallel with Norfolk av. to Magazine st. ; part from Hampden st., east, to Reed (now Reading) st. once shown as part of Reed st. ; laid out from Hampden st. to Magazine st., Aug. 6, 1889.
- Kemp street**, So. B. ; from Dorchester av., east, to O.C. (now N.Y., N.H. & H.) R.R.
- \***Kendall street**, B., 1845 ; from Shawmut av. to Tremont st. ; accepted conditionally, Dec. 3, 1860 ; laid out, Nov. 3, 1868 ; laid out, Aug. 3, 1869.
- \***Kenilworth street**, Rox., 1847 ; from Dudley st., south-easterly, then north-easterly, to Dudley st. ; accepted, June 21, 1847 ; laid out, June 14, 1852.
- \***Kenmore street**, Rox. ; from Commonwealth av. to W. Newbury st. ; laid out, Dec. 29, 1893.

- Kenna place**, B., 1860; from Grove st., easterly, near Revere st.
- \***Kennard avenue**, B., 1833; from Allen st. to Poplar st.; same in 1833; accepted and laid out as public st., June 14, 1852; called Kennard st. on plan, 1883.
- Kennard court**, B., 1846; from Kennard av., north-westerly, to junction of Lovett pl. and Elder pl.; from Kennard av., near Poplar st., 1846.
- Kennard street**, B.; Kennard av., from Allen st. to Poplar st.; so called on plan, 1883.
- Kennedy's corner**, B., 1784; corner of Dock sq. and Shrimpton's lane (now Exchange st.) then so called.
- Kenneth street**, Bri.; from Franklin st., nearly opposite Brentwood st., south-east, to and beyond Bayard st.
- †**Kenneth street**, W. Rox.; from Beech st. to Stratford av.; formerly called Oak st.; laid out from Beech st. to Farrington st., July 24, 1891; authority to open part between Stratford av. and Farrington st. given by Street Commissioners, Nov. 17, 1893.
- Kenney street**, Rox.; from Day st., north-west.
- Kenny's corner**, B., 1709; in Dock sq.
- \***Kenrick street**, Bri., 1856; from Lake st., north-east, to Newton line; laid out by Commissioners, Jan. 2, 1856; named, March 5, 1860.
- Kensington park**, Rox.; from Warren st., near Dale st., north-westerly.
- \***Kensington street**, Rox.; from Kingsbury st. to Elmore st.; laid out, Oct. 22, 1885.
- Kensington street**, Bri.; from extension of Foster st. to Parsons st.; laid out as a public street and named Surrey st., Sept. 4, 1884.
- \***Kent street**, Rox., 1888; from Roxbury st. to Vernon st.; formerly Hollis pl.; laid out as Kent st., Nov. 19, 1888.
- Kentle street**, B., 1848-51; from Suffolk st. (now Shawmut av.), near Rutland st.; cannot be now identified.
- \***Kenwood street**, Dor.; from Allston st. to Washington st.; laid out, Oct. 4, 1894.
- Keyes place**, W. Rox., 1860; from Keyes st., north-west; part now in Call st.; also called Keyes-street court.
- \***Keyes street**, W. Rox., 1850; from Washington st. to Forest Hills st.; laid out as a town way, March 31, 1859; relocated between Washington st. and B. & P. (now N.Y., N.H. & H.) R.R., Nov. 6, 1883; extended south-easterly from Washington st. to Stony Brook, Nov. 6, 1883; extended to Forest Hills st., Aug. 4, 1890.
- Keyes-street court**, W. Rox.; from Keyes st., near Call st., south; portion taken by extension of Call st., May 7, 1891; also called Keyes pl.
- \***Kilby street**, B., 1769; from State st. to Milk st.; called Mackeral lane from King (now State) st. to Water st., and Cooper's alley from Water st. to Milk st., 1708; called Kilby st. from King st. to Milk st., 1869; sometime prior to 1784, part from Water st. to Milk st. called Miller's lane; from State st. to Liberty sq., 1788; part from Liberty sq. to Milk st. called Adams st. 1788-1824; called Kilby st. in Edes' list, 1800; from the Bunch of Grapes tavern running by Mr. Coolidge's new stores to Miller's in Milk st.; street from State st. across Liberty sq. to Milk st. called Kilby st., and Adams st. named Kilby st., throughout, July 6, 1824.
- Kilsyth road**, Bri.; from Lanark road to Brookline line; authority to open Road No. 1 (Kilsyth road) given by Street Commissioners, May 13, 1893.
- Kilton street**, Dor.; from Park st., south-east, crossing Wheatland av.; portion between Harvard st. and Park st. called Carlton av., 1860; Carleton av. and Carleton pl., 1874; Carlton st., 1884.

- Kimball place**, So. B. ; from P st., near E. Second st., westerly ; also called Kemble pl.
- Kimball street**, Rox., 1872 ; from Tremont st. (now Huntington av.), near junction of Heath st., to Craft st. ; now in Jamaica way.
- King street**, B., 1708 ; from Cornhill (now Washington st.) on each side of the Town House easterly to the sea ; continued to low-water mark, 1711 ; from west end of Town House, east, to Long wharf, 1732 ; name changed to State st., 1784, having been called Congress st. for a short time before new name was settled on.
- \***King street**, Rox., 1868 ; from Roxbury st. to Elmwood st. ; name of Pearl st. changed to King st., April 21, 1868 ; laid out, July 16, 1877.
- \***King street**, Dor., 1858 ; from Dorchester av. to Train st. ; laid out from Dorchester av. to Adams st., Dec. 8, 1871 ; laid out from Adams st. to Train st., Oct. 21, 1878 ; laid out from Train st. to Neponset av., April 27, 1889.
- King-street court**, Rox., 1874 ; from King st., south-westerly.
- \***Kingsbury street**, Rox. ; from Washington st. to Bainbridge st. ; laid out, March 21, 1874.
- Kingsley street**, Bri. ; from N. Harvard st. to Rena st.
- Kingston court**, B. ; from Kingston st., easterly, near Essex st. ; called Short-st. court, 1827 ; named Kingston court or pl. in 1847 ; now built over.
- Kingston place**, B. ; from Kingston st., easterly, near Beach st. ; included in extension of Tufts st., from Lincoln st. to Kingston st., Sept. 28, 1889.
- Kingston place**, Chsn., 1871 ; from Kingston st., easterly, then south-easterly.
- \***Kingston street**, B., 1800 ; from Summer st. to Beach st. ; from Summer st. to Short st., and Pond st., 1800 ; called Plymouth st. in Edes' list, 1800 ; extended through Short st. to Beach st., April 1, 1839.
- \***Kingston street**, Chsn., 1858 ; from Cambridge st. to Sever st. ; laid out and accepted, Aug. 18, 1869.
- Kinross road**, Bri. ; from Sutherland road to Commonwealth av.
- Kirk street**, W. Rox. ; from Carl (now Montview) st. to Crest st. ; formerly called Short st.
- \***Kirkland street**, B., 1858 ; from Pleasant st. to Indiana pl. (now Corning st.) ; called London st., from Pleasant st., 1838 ; extended to Indiana pl. (now Corning st.), 1853 ; accepted and named Kirkland st., 1858.
- Kitchen street**, B., 1824 ; from Charles st. to Spruce st. ; name changed to Branch av. in 1849 ; laid out as Branch st., July 26, 1884.
- Kittredge place**, B., 1860 ; from Washington st., south-westerly, near junction Friend st. ; from Friend st., south-westerly, 1860 ; portion included in the extension of Washington st., Nov. 6, 1872.
- \***Kittredge street**, W. Rox., 1882 ; from Washington st. to Norfolk st. ; part of Roslin av., from Washington st. to Norfolk st., laid out as Kittredge st., Dec. 22, 1882.
- \***Knapp street**, B., 1879 ; from Beach st., southerly, then easterly to Harrison av. ; Newton pl., from Beach st., south, and Plymouth pl., from Harrison av., west, laid out and named Knapp st., May 14, 1879.
- Kneeland place**, B., 1834 ; from Kneeland st., south-west, near Washington st. ; laid out as a public street named Whitmore st. and extended to Harvard st., June 12, 1886.
- \***Kneeland street**, B., 1800 ; from Washington st. to Federal st. ; from Orange, (now Washington) st., east, 1732 ; from Orange st., east, to the water called Kneeland's lane by Selectmen's list of 1788 ; same called



Kneeland st., 1800; continued to Front st. (now Harrison av.), 1805; extended from Front st. to Lincoln st., 1835; name changed to Eliot st., July 16, 1838; renamed Kneeland st., June 2, 1840; extended to Sea (now Federal) st., 1843; accepted conditionally from Harrison av. to Lincoln st., Nov. 4, 1844; part which crosses track of B. & W. (now B. & A.) R.R. closed, as dangerous for public travel, Sept. 21, 1846; same rescinded, Nov. 16, 1846; part east of Harrison av. called Marginal st. in 1855; part between Albany st. and Lincoln st. discontinued, Dec. 17, 1855; same reopened, Dec. 30, 1856; accepted between Lincoln st. and South st., Dec. 4, 1865.

**Kneeland's lane**, B., 1788; Kneeland st. so called by Selectmen's list.

**Kneller street**, E.B., 1838; from Addison st. to Trumbull st.

**Knights' avenue**, W. Rox.; from Green st., opposite Jamaica Plain station, north-east, then north-west, to Oakdale st.; also called Knights' court.

**Knoll street**, W. Rox.; from Centre st., near Hewlett st., to Walter st.

**Knower place**, Rox., 1869; from Washington st., south-easterly, near Zeigler st.

\***Knowlton street**, So. B.; from Telegraph st. to E. Eighth st.; laid out, Nov. 17, 1868.

\***Knox street**, B., 1830; from Church st. to Ferdinand st.; from Lincoln court (now Church st.) to the water, 1830; part of laid out from Church st. to Ferdinand st., Dec. 13, 1870.

**Knox street**, E.B.; no record; Condor st. bounded it in 1852; laid out as Glendon st., April 20, 1869.

**Kuhn place**, B., 1833; from Tremont st., west, south of Eliot st.; now built over.

\***L street**, So. B., 1805; from Reserved Channel, near end of Congress st., to the Strandway; from harbor, north of E. First st., to Old Harbor, south of E. Ninth st., with proposed extensions northerly to proposed extension of Eastern av. (now Congress st.) and southerly to line in Old Harbor, 1805; from salt water on the south to the Harbor of Boston on the north, laid out and named, Feb. 27, 1805; laid out from low-water mark north of First (now E. First) st. to harbor line in Dorchester Bay, Nov. 17, 1868.

\***La Fayette avenue**, B., 1828; from Prince st. to Endicott st.; called Fayette av. (from Prince st. to Pond st.) in 1825; name changed to La Fayette av. in 1828; confirmed as public street, Sept. 15, 1834.

**La Fayette place**, Rox.; from Julian st., northerly, near Blue Hill av.

**La Fayette square**, Chsn., 1875; at junction of Main st. and Warren st.; named Lafayette sq., June 22, 1875; name changed to Thompson sq., July 19, 1875.

**La Fayette street**, E.B. (Breed's Island); from Orient av., north-east, then south-east, to Orient av. again.

**La Grange place**, B., 1828; from Washington st., west; extended to Tremont st., Oct. 14, 1864; name changed to La Grange st., Oct. 24, 1865.

**La Grange place**, Rox.; from Blue Hill av., north-westerly, between Winthrop st. and Mt. Pleasant av.

\***La Grange street**, B., 1865; from Washington st. to Tremont st., near Boylston st.; name of La Grange place changed to La Grange st., Oct. 24, 1865.

\***La Grange street**, W. Rox., 1849; from Washington st., near Beech st., to Newton line; laid out from Centre st. across W. Roxbury Branch R.R. to Weld st., Oct., 1869; laid out from Weld st. to Newton line, July, 1871; extended to Shawmut av. (now Washington) st., Aug. 21, 1873, and Sept. 8, 1873.

- \***Lake street**, Bri., 1847; from Washington st. to South st.; laid out, April 27, 1847; accepted conditionally, May 17, 1847; by the Town in 1854 and 1859; named by the Town, March 5, 1860; called "Lake st. or Foster st." on plan dated 1866.
- Lake-Hill avenue**, W. Rox., 1851; from Cottage st., south-west, north-west, and north, to Cottage st. again; shown on Plan 1. 220, f. 321, Norf. Reg.
- Lakeville avenue**, W. Rox., 1846; from Centre st., north-west, towards Jamaica park; called Lakeville pl.
- Lamartine court**, W. Rox.; from Lamartine st., south-easterly, to railroad, between Boylston st. and Clark court.
- Lamartine place**, W. Rox.; from Green st. to Lamartine st.; Lamartine sq. so called, 1874.
- Lamartine place**, W. Rox.; from Lamartine st., easterly, to railroad, between Oak pl. and Lawndale terrace; shown as an unnamed place on plan.
- Lamartine square**, W. Rox.; from Green st., north-easterly, then north-westerly, to Lamartine st.; called Lamartine pl., 1874.
- \***Lamartine street**, Rox. and W. Rox., 1848; from Green st. to Centre st.; formerly known as Boston av.; laid out from Green st. to Boylston st., Dec. 19, 1859; laid out from Centre st. to boundary line between Boston and West Roxbury, Dec. 10, 1869; laid out from boundary line to Boylston st., March 10, 1873.
- Lamartine terrace**, W. Rox.; from Lamartine st., north-west, opposite Lamartine pl.
- \***Lambert avenue**, Rox., 1845; from Kenilworth st. to Cedar st.; early called Ascension st., and later, Walnut st.; by deed dated 1835 abutters agree to call Ascension st. Lambert av.; conditional acceptance recommended by Selectmen, April 7, 1845; extended from Bartlett st. to Kenilworth st., Nov. 28, 1881.
- \***Lambert street**, Rox., 1833; from Highland st. to Lambert av.; accepted conditionally, April 25, 1864; accepted finally, April 29, 1867.
- \***Lamont street**, Rox., 1887; from Linden Park st. to Vernon st.; Linden av. laid out as a public street and named Lamont st., June 23, 1887.
- Lamson court**, E.B.; from Lamson st., near Everett st., north-east.
- \***Lamson street**, E.B., 1871; from Webster st. to Maverick st. with proposed extension to proposed part of Putnam st.; proposed extension of Lamson st. is now occupied in part by the location of the B., R.B., & L. R.R.
- Lanark road**, Bri.; from Glendon av. to Brookline line.
- Lancaster court**, } B.; from Lancaster st., south; called Lancaster pl., 1837;  
**Lancaster place**, } Lancaster court, 1839; built over about 1860.
- \***Lancaster street**, B.; 1807; from Merrimac st. to Causeway st.; laid out from Merrimac st. over the Mill-pond, Aug. 3, 1807; to Causeway st., 1841.
- Land's court**, B., 1852; from North st., nearly opposite Sun-Court st., south-east.
- Landseer avenue**, Rox.; from Seaver st. nearly to Waumbeck st.; called Landseer st. on plan dated June 1, 1881; abandoned.
- \***Landseer street**, W. Rox.; from La Grange st. to Bellevue st.; laid out, June 13, 1892.
- Lane place**, B., 1834; from Gibbs lane (now Oliver st.), west, near Washington (now Fort Hill) sq.
- Langdon court**, B., 1840; from Langdon pl., west.

- Langdon place, B., 1820; from North st., near Richmond st., south.
- †Langdon street, Rox., 1867; from Dudley st., north-easterly, to beyond George st., parallel with Shirley st.; laid out from Dudley st. to George st., July 8, 1871.
- \*Lansing street, Rox., 1869; from Warren st. to Sherman st.; laid out, March 13, 1882.
- Larch place, W. Rox.; from Hyde Park av., opposite Florence st., to the railroad.
- Largo street, W. Rox.; from Belgrade st. (now Hyde Park av.) to Newbern st., at Hyde Park line; see Charles Whitney's map of Roxbury dated 1843-49; now closed.
- \*Lark street, So. B., 1868; from W. Eighth st., south-westerly, to O.C. (now N.Y., N.H. & H.) R.R.; laid out from Eighth (now W. Eighth) st. to Sullivan (now W. Ninth) st., Nov. 17, 1868; laid out from W. Ninth st. to O.C. (now N.Y., N.H. & H.) R.R., June 16, 1876.
- Lark street, W. Rox., 1874; from La Grange st. to Bellevue st.
- La Rose place, Bri.; from Union st., north-west, near Washington st.
- Lasell street, W. Rox.; from Baker st., north-east, to beyond Caspar st.; authority to open from Baker st. to La Grange st., given by Street Commissioners, Oct. 12, 1893; authority to open from La Grange st. to a point north-east of Caspar st. given by Street Commissioners, April 20, 1894.
- Lathrop place, B., 1836; from Hanover st., south-easterly, between Prince st. and Richmond st.
- \*Laurel street, Rox.; from Dale st. to Humbolt av.; name of Seneca st. changed to Laurel st., May 10, 1870, but called Laurel st. on plan dated 1869; laid out, Sept. 7, 1871.
- Laurel street, Dor.; from Norfolk st., near the cemetery, south-easterly.
- \*Laurel street, Chsn.; from Monument sq. to Cedar st.; shown as an unnamed street on plan dated 1839; laid out and accepted from Concord st. to a lane running from High st. to Bartlett st., Sept. 8, 1856.
- Lauriat avenue, Dor.; from Norfolk st., westerly, to Blue Hill av.; from Norfolk st. crossing railroad and Ballou av. to Blue Hill av.; shown in 1874 and 1884.
- Lauriat street, Dor.; from Lauriat av. to Chipman av.
- Lauten place, So. B.; from E. Second st., north, between O st. and P st.; also shown as Simpson's court.
- \*Lawn street, Rox., 1850; from Heath st., northerly, north-westerly, and south-westerly to Heath st.; laid out from Heath st. to Hayden st., June 16, 1892; laid out from Hayden st. to Heath st., Dec. 14, 1893.
- Lawn street, W. Rox., 1859; from Mt. Hope st., north-easterly, near Canterbury st.
- Lawndale terrace, W. Rox.; from Lamartine st., south-west, between Lamartine pl. and Helena st. to N.Y., N.H. & H. R.R.
- Lawrence avenue, Chsn.; from Lawrence st., north-east, nearly opposite Benedict st.
- \*Lawrence avenue, Rox. and Dor.; from Blue Hill av. to Magnolia (formerly Myrtle) st.; called Lawrence st., 1846; seems to have been called Lawrence st. until 1869, in which year it is shown on plans as both street and avenue; laid out as Lawrence av., Sept. 27, 1879.
- Lawrence court, So. B.; from W. Third st., between B st. and C st., south-west.
- Lawrence court, Chsn.; from Lawrence st., south-west, between Benedict st. and Austin st.

- Lawrence place**, B., 1844; from Cambridge st., northerly, between Blossom st. and N. Anderson st.
- Lawrence place**, Dor.; from Lawrence av., south-west, near Grove st.
- Lawrence place**, Bri.; from Market st., south-east, near N. Beacon st.
- \***Lawrence street**, B., 1866; from Berkeley st. to Dartmouth st.; laid out, Dec. 7, 1869.
- \***Lawrence street**, Chsn., 1824; from Union st. to Phipps st.; accepted, March 1, 1824; continuation from Austin st. to Miller st. accepted, May 4, 1837; continued to Phipps st., Nov. 25, 1844.
- Lawrence street**, Rox. and Dor.; from Blue Hill av. to Myrtle (now Magnolia) st.; called Lawrence av.
- Lawrence-street place**, Chsn.; from Lawrence st., south-westerly.
- Lawrence-street place**, Chsn.; from Lawrence st., south-easterly, between Chapman st. and Austin st.; shown in directory only.
- Learnard street**, Dor., 1870; from Norfolk st., opposite the cemetery, to Torrey st.
- \***Leather square**, B., 1867; from Channing st. to Matthews st.; called Sister st. in 1732; name changed to Leather sq., Sept. 24, 1867.
- Lebanon street**, Rox.; from Magnolia st. to N.Y. & N.E. R.R.
- Leavitt place**, Dor.; from Brook av., north-west; shown as an unnamed place on plan dated 1855; later called Brook court; Leavitt pl., 1873; Brook-av. pl., 1884.
- Lee place**, B., 1849; from Phillips st., northerly, between W. Cedar st. and Grove st.
- Lee street**, W. Rox., 1850; from Carolina av. to Keyes st.
- Leeds court**, B.; from Washington st., west, before 1840; supposed to have been included in Indiana pl. (now Corning st.) or taken for the Worcester (now B. & A.) R.R.
- Leeds street**, So. B.; from Woodward st., south-westerly.
- Leeds street**, Dor., 1869; from Savin Hill av. to Bay st.
- Leeds street**, Dor.; from Adams st. to Dorchester av.; shown as an unnamed street on plan dated 1861.
- \***Lehigh street**, B., 1843; from Albany st. to South st.; accepted and laid out as a public street, Nov. 8, 1852; extended to Sea (now Federal) st., April 30, 1856; order for extension rescinded, May 9, 1856.
- Leicester street**, Rox.; from Ivy st. to Mountfort st.; now closed.
- †**Leicester street**, Bri.; from Washington st. to Arlington st.; laid out from Bennett st. to Arlington st., Aug. 16, 1893.
- Leighton park**, B.; in the rear of Dartmouth st., Truro st., Yarmouth st. and Columbus av.
- Leighton street**, B.; from Truro st., southerly.
- Leland place**, B., 1856; from Washington st., north-westerly, near Waltham st.
- Leland street**, W. Rox.; from Wachusett st., south-east, to cemetery, and from Wachusett st., north-west, towards Wenham st.; authority to open given by Street Commissioners, July 19, 1893.
- Leman place**, B.; from High st., north-west, between Broad st. and Hamilton st.
- Lendall's lane**, B., 1733; from Leverett's lane (now Congress st.), opposite the Quakers' meeting-house, to Kilby st.; same as Lindall's lane.
- Lenox court**, B.; from E. Lenox st., north-easterly, near cor. Harrison av.

- \***Lenox street**, B., 1833; from Washington st., opposite E. Lenox st., to Tremont st.; from Washington st. to Suffolk st. (now Shawmut av.), 1833; to Tremont st., 1851; accepted conditionally "as at present laid out," July 6, 1853; accepted finally from Washington st. to Shawmut av., Oct. 9, 1854; accepted conditionally from Shawmut av. to Tremont st., Aug. 4, 1857.
- \***Leon street**, Rox., 1894; formerly Avon pl.; name changed to Leon st., March 1, 1894.
- Leonard court**, Dor.; from Leonard st., south-east, near Leonard pl.
- Leonard place**, Dor.; from junction of Leonard st. and Duncan st., south.
- Leonard street**, Dor., 1870; from Duncan st. to Clayton st.
- Le Roy street**, Dor.; from Geneva av. to Ditson st.
- Leslie park**, Rox.; from Walnut av., north-westerly, near cor. Dale st.
- Lester place**, W. Rox.; from Centre st., east, between Green st. and St. John st.
- Letterfine terrace**, Dor.; from Howard av., south-east, nearly opposite Dewey st.
- Leutman place**, Rox.; from Texas st., south-westerly, near Elmwood st.; also called Luteman pl.
- Levant street**, Dor.; from Geneva av. to Topliff st.; shown in 1894.
- Leveret's lane**, B., 1708; from King (now State) st. to Water st.; also called Quaker's lane, from State st. by Dalton's row to Milk st., 1784; from Water st. to Milk st. called Dalton st., 1788; from State st. to Milk st. called Congress st., 1800.
- Leverett alley**, B., 1812; from Leverett st., east; called also Leverett pl., previously to 1812; called New Prince st., Cross st. and Tucker st.; name changed to Lyman pl. in 1834, and Lyman st. in 1856.
- Leverett avenue**, B., 1859; from Leverett st., south-westerly, nearly opposite Minot st.; called Phillips court, 1843; Leverett av., 1859.
- Leverett court**, B., 1822; from Leverett st., north; named Cotting st., 1843.
- Leverett court**, B., 1852-59; from Leverett st., west, near Hammond av.
- Leverett lane**, B., 1831; from Leverett st. to Wall st., 1831; named Cushman av., 1855.
- Leverett place**, B., 1812; from Leverett st., east; called also Leverett alley; previously called New Prince st., Cross st. and Tucker st.; name changed to Lyman pl., April 14, 1834; called Lyman st., 1856.
- \***Leverett street**, B., 1733; from Green st., north-westerly, to Craigie's bridge; from Green lane to Barton's point, 1733; from Tucker's corner to the new alms-house, 1800; extended to Central or Craigie's bridge, 1809; from westerly end of street "as now laid out" to Canal bridge accepted conditionally, Aug. 19, 1856.
- Lewis park**, Rox., 1864; from Highland st., near Linwood st.
- Lewis place**, Rox., 1869; from Dudley st., south-westerly, opposite Clarence st.
- \***Lewis street**, B., 1831; from Commercial st. to Moon st.; laid out as a new street opposite Mercantile wharf, Oct. 19, 1831; street near head of Lewis wharf named Lewis st., March 26, 1838; laid out from North st., through Moon-st. court, to Moon st., March 25, 1833.
- \***Lewis street**, E.B.; from Sumner st. to East Boston South Ferry; Maverick sq. to South Ferry, June 12, 1848.
- Lewis street**, So. B.; name changed to Jenkins st., Aug. 7, 1855; Jenkins st. by chart, 1874, from Dorchester st., south-easterly to O.C. (now N.Y., N.H. & H.) R.R.

- Lexington avenue**, Chsn.; from Bunker Hill st. to Concord av.; shown as an unnamed street on plan dated 1839.
- Lexington avenue**, Br.; from Washington st., south-westerly, crossing Union st. and Cushman st.; shown as an unnamed street in 1873; laid out between Washington st. and Union st. as Shannon st., July 8, 1892; portion from Union st., south-westerly, now closed.
- Lexington place**, E.B.; from Lexington st., south-east, near cor. Marion st.
- \***Lexington street**, E.B., 1834; from Border st. to Eagle st.; from Meridian st. to Eagle st. accepted, April 28, 1873; accepted at junction Lexington st. and Eagle st., Nov. 1, 1858.
- \***Lexington street**, Chsn., 1839; from Monument sq. to Medford st.; formerly from Monument sq. to Bunker Hill st.; shown as an unnamed street on plan dated 1834; accepted from Monument sq. to Bunker Hill st., Dec. 23, 1844; extended to Medford st., March 15, 1848; name of part from Wallace court to Tremont st. changed to Monument sq., Feb. 2, 1860.
- Leyden street**, E.B. (Breed's Island), 1886; from Chelsea av. to Beachmont av.; Elm st., laid out from Breed st. to Washburn av. (now Walley st.) as Leyden st., Aug. 23, 1886; extended from Walley st. to Atlantic (now Beachmont) av., July 3, 1888; extended from Breed st., over Elm st., to Chelsea av., July 30, 1889.
- Leyden street**, Rox., 1849; from Brookline av. to Plymouth st.; now portion of Bernier st.
- \***Leyland street**, Dor.; from E. Cottage st. to Burgess st.; laid out, Dec. 22, 1891.
- \***Liberty square**, B., 1793; at the junction of Kilby st., Water st. and Batterymarch st.; named, Jan. 24, 1793; confirmed as a public way, Sept. 15, 1834.
- Liberty street**, B., 1820; from Liberty sq. to Broad st.; made part of Water st., March 20, 1826.
- Liberty street**, So. B.; from Preble st., southerly, near N.Y., N.H. & H. R.R.
- Lilly street**, So. B.; from Tudor st. to W. Seventh st., between E st. and F st.
- \***Lime alley**, B., 1708; from Charter st. to Commercial st.; from the burying-place in Charter st. to Adkins' lime kiln in Lyn st., 1708; from Alley's ship-yard at Hudson's point to the north burying-place, 1800.
- \***Lime street**, B., 1845; from River st. to Brimmer st.; called C st., 1830; name changed to Lime st., 1845; laid out, Dec. 29, 1875; extended to Brimmer st., May 13, 1881.
- Lime-street alley or place**, B., 1860; from Lime st., south-east; also called Allen pl.
- Limerick place**, B., 1847; from Hanover st., east, near Commercial st.; cannot be now identified.
- Linck alley**, B.; same as Link alley.
- Lincoln court**, B., 1829; from Fayette st.; Church st. extended to Tremont st. through Lincoln court, June 24, 1852.
- Lincoln place**, B.; from Winchester st., southerly, near Church st.
- \***Lincoln place**, B., 1863; from Worcester st. to W. Springfield st.; laid out, Oct. 9, 1877.
- Lincoln place**, Rox., 1861; from Weston st., formerly Sudbury st., north-east.
- Lincoln place**, Rox.; name changed to Grosvenor pl., April 21, 1868 (Grosvenor pl. extends from Washington st. to Cliff st.).

- Lincoln place**, Chsn.; from Elm st., south-easterly, between High st. and Bartlett st.
- Lincoln square**, So. B.; between E. Fourth st., M st. and Emerson st.
- \***Lincoln street**, B., 1795; from Summer st. to Kneeland st.; from Summer st. to Essex st., 1795; from Church sq. to Essex st. by Carleton's map, 1800; confirmed as a public street, Sept. 15, 1834; extended southerly from Essex st. through Batterman pl. to the passenger depot of the Worcester (now B. & A.) R.R., Sept. 5, 1836; accepted, Oct. 16, 1837; part between Harvard st. and Ontario st. relocated to the westward of present location, 1844; to Lehigh st., 1846; now to station and land of B. & A. R.R. at Kneeland st.
- \***Lincoln street**, Dor., 1869; from Dorchester av. to Adams st.; shown as an unnamed street in 1867; laid out as a town way, Dec. 28, 1869.
- Lincoln street**, Chsn., 1869; from Main st. to Rutherford av.; name of Walker's av. or West Walker st. leading from westerly side of Main st. changed to Lincoln st.. Dec. 27, 1869.
- \***Lincoln street**, Br., 1846; from Market st. to Cambridge st., where it is called "Lincoln st. (formerly Centre st.)"; accepted from Market st. to Franklin st., near Allston station, June 13, 1883; portion of Franklin st. between Lincoln st. and Cambridge st. called Lincoln st., being a continuation of the same, April 25, 1876.
- Lindall alley**, } B.; from Phillips st., northerly, then easterly, to Lindall  
**Lindall court**, } pl.; called Lindall alley, 1868; Lindall court, 1874.
- Lindall place**, B., 1831; from Cambridge st., near W. Cedar st., south-westerly.
- Lindall street**, B., 1821; from Congress st. to Kilby st.; name of Lendell's lane changed to Lindall st., Sept. 19, 1821; named Exchange pl., Oct. 14, 1873.
- Lindall's lane**, B.; called also Lyndall's, Lindal's, Lendall, and Lendell's lane; from Leveret's lane (now Congress st.), opposite the Friend's meeting-house, to Oliver's dock, 1733; from Leveret's lane to Kilby st., 1788; to Oliver's dock, 1800; called Magnor's row in 1801; re-named Lindall's lane the same year; from Congress st. to Kilby st., 1817; name changed to Lindall st., Sept. 19, 1821; called Exchange pl. in 1873.
- Linden avenue**, Rox.; from Linden-Park st. to Lamont st.; also called Linden park.
- Linden avenue**, Rox.; from Linden park to Vernon st.; laid out as a public street and named Lamont st., June 23, 1887.
- Linden court**, Dor.; from Linden st., near Dorchester av., south.
- Linden park**, Rox.; from Linden-Park st. to Lamont st.; also called Linden av.
- \***Linden park**, Rox., 1836; from Roxbury st., west, crossing Linden av. and Gay st., curving northerly and easterly to Linden av., where the part from Main (now Roxbury) st. to Ruggles (now Cabot) st. is called Ruggles st.; accepted from Ruggles st. to Gay st., July 7, 1852; extended from Gay st., including a part of Clay st., to Simmons st., Nov. 8, 1884; named Linden-Park st., March 1, 1885; name of Clay st., from Simmons st. to Tremont st. (now Columbus av.), changed to Linden Park st., March 1, 1885.
- Linden place**, B., 1852; from Allen st., north, between Spring st. and Chambers st.
- Linden place**, Rox.; from Linden park, northerly, parallel with Cabot st.; now Prentiss pl.
- \***Linden street**, So. B.; from E. Fourth st. to Thomas park; dedicated (conditionally) as a public way, Oct. 30, 1861; laid out, Nov. 17, 1868.

- \***Linden street**, Rox., 1863; from Grove Hall (now Blue Hill) av. to Elm Hill av.; accepted, Oct. 24, 1864; name changed to Wayne st., April 21, 1868.
- \***Linden street**, Dor.; from Adams st. to Commercial (now Freeport) st.; from Adams st. to Dorchester av. accepted, April 4, 1853; continuation to Commercial st. accepted, March 5, 1855.
- Linden street**, W. Rox., 1870; from Montgomery st. to Webster st., parallel with Pleasant st.
- Linden street**, W. Rox., 1872; from Beech st. to Bellevue st. or av.
- Linden street**, W. Rox., 1871; from Brandon (formerly Williams) st. to Birch (formerly Prospect) st., and from Dudley av., south-east, to near Birch st.
- \***Linden street**, Chsn., 1844; from Bunker Hill st. to Medford st.; laid out and accepted, June 26, 1865; made a continuation of Baldwin st., Oct. 8, 1867.
- \***Linden street**, Bri., 1850; from Cambridge st. to Commonwealth av; laid out from Cambridge st. to Gardner st., Dec. 17, 1873; accepted conditionally, Dec. 30, 1873; laid out, Sept. 16, 1876; extended to Brighton av., May 26, 1884; extended to Massachusetts (now Commonwealth) av., June 2, 1885.
- \***Linden-Park street**, 1885; from Roxbury st. to Tremont st. (now Columbus av.); name of part of Linden Park, from Roxbury st. to Clay st., at Elmwood st., changed to Linden-Park st., March 1, 1885; name of Clay st., from Simmons st. to Tremont st., changed to Linden-Park st., March 1, 1885.
- Link alley**, B., 1708; from the junction of Union st. and Hanover st., north-east, to the Mill-pond; called N. Federal court, 1806; discontinued in 1857, and built upon and closed in 1860.
- †**Linnet street**, W. Rox., 1848; from Bellevue st. to La Grange st., also from Martin st. to Linnet st.; laid out from Bellevue st. to La Grange st., Aug. 16, 1878.
- Linsey street**, Dor., from Waldeck st., south-west, near Park st.; authority to open given by Street Commissioners, Jan., 18, 1893.
- Linwood park**, Rox.; part of Linwood st., near its junction with Centre st.
- Linwood place**, B., 1836; from South st., near Summer st., east.
- Linwood place**, Rox., 1859; from Linwood st., north-west, to Centre st.; now part of Linwood st.
- Linwood place**, Chsn.; from Main st., north-east, between Salem st. and School st.
- †**Linwood square**, Rox., 1868; from Centre st. to Linwood st.; name of part of Linwood st. changed to Linwood sq., April 21, 1868; laid out, June 6, 1873.
- Linwood street**, Rox.; from Centre st. to Highland st.; also formerly from Linwood st. to Highland st.; part shown as an unnamed street on plan dated 1859; name of part changed to Linwood sq., April 21, 1868; laid out from Centre st. to Highland st., Nov. 16, 1869.
- Lisbon street**, E.B., 1834; from Sumner st. to Maverick st.; shown on plan dated 1836; discontinued.
- Litchfield court**, E.B.; from Sumner st., north-east, near Cottage st.
- Litchfield street**, Bri.; from Lincoln st., north-east, to Avenue pl.; authority to open given by Street Commissioners, Oct. 14, 1892.
- Little alley**, B., 1836; near Prince st.
- Little Napier street**, B.; from Napier st. to Brighton st.; named Barton court, April 21, 1868.



- Liverpool avenue**, E.B.; from Liverpool st. to Border st., between Maverick st. and Decatur st.; formerly called Erin alley.
- \***Liverpool street**, E.B., 1833; from Sumner st. to Central sq.; accepted, Nov. 22, 1852.
- Livingston place**, B., 1844; from Livingston st.; name changed to Breen pl., May 10, 1870; included in Charles River embankment (now Charlesbank).
- †**Livingston street**, B., 1838; from Brighton st. to Charles River; from Brighton st., west, 1838; to the river, 1842; accepted and named from Brighton st. to Charles st., June 4, 1844; across N. Charles st., 1859; portion from Charles st. to Charles River now included in Charlesbank; name of, from Brighton st. to Charles st., changed to Chambers st., March 1, 1894.
- Llewellyn avenue**, Rox., 1853; from Walnut st. (now Walnut av.), southerly, to Williams (now Humboldt) av. extended; Crawford st. extended through it, Dec. 4, 1879.
- Lochstead street**, W. Rox.; from Centre st. to Jamaica way; authority to open given by Street Commissioners, Jan. 30, 1895.
- Locke place**, So. B.; from E. Fourth st., north, between H st. and I st.
- Locksley street**, W. Rox.; from Enfield st.; authority to open given by Street Commissioners, Dec. 28, 1892.
- Locust street**, Dor., 1864; from Dorchester av., easterly, to O.C. (now N.Y., N.H. & H.) R.R.
- \***Logan street**, Rox.; from Thornton st. to Lambert av.; laid out, Nov. 27, 1888.
- Lombard place**, B., 1856; from Prince st., south-westerly, then north-westerly, to Thacher st.; from Prince st., west, near Salem st., 1856.
- Lombard place**, So. B.; from Ellery st., north-easterly.
- Lombard street**, Dor.; from Carruth st. to Bushnell st.
- London court**, E.B.; from London st., between Porter st. and Marion st., south-easterly.
- London street**, B., 1838; from Pleasant st.; extended to Indiana pl. (now Corning st.), May 16, 1853; accepted and name changed to Kirkland st., Nov. 16, 1858.
- \***London street**, E.B., 1833; from Sumner st. to Bennington st. at junction with Marion st.; accepted, Nov. 22, 1852.
- Long Acre**, B., 1777; the wall on the west side of Common (now Tremont) st., between Winter st. and School st.; called also Paddock's Mall.
- Longfellow street**, Dor.; from Topliff st. to Draper st.; authority to open given by Street Commissioners, July 20, 1892.
- Long lane**, B., 1708; from Milk st. to Cow lane (now High st.); called Federal st. in 1788.
- \***Longmeadow street**, Dor.; from Clifton st. to Batchelder st.; laid out, June 19, 1891.
- Long wharf**, B., 1809; from Atlantic av., easterly, opposite State st.; agreement as to building wharf, highways and cartways on same, etc., March 13, 1809; so called as it is supposed to be the longest on the continent, being 1,700 feet in length and above 100 feet in breadth; street on Long wharf running at right angles to North and South Market sts., continued in southerly direction to southerly front of stores on Long wharf, July 28, 1825.
- \***Longwood avenue**, Rox., 1857; from Parker st. to Brookline line; from Brookline av., through Pilgrim st. to Beacon st., Brookline; laid out by County Commissioners as a highway, June, 1857; named from

- Punch Bowl road to Longwood Creek or Muddy River, Dec. 7, 1857; accepted and named from Parker st. to Brookline Branch of the Western av. (Brookline av.), July 29, 1867.
- Longwood-avenue court**, Rox.; from Longwood av., south-west, near Parker st.
- Longwood park**, Rox.; between Bellevue st., Austin st., Brookline av. and Park st.
- Longwood street**, Rox., 1850; from Brookline av., opposite Francis st., to Longwood av.; part west of Brookline av. to angle in said street laid out as Francis st., Oct. 19, 1874; remainder of street now in Riverway.
- Loretto street**, W. Rox.; from Spring st., north-west, near Baker st.
- \***Loring street**, So. B., 1884; from W. Seventh st. to W. Eighth st.; Clapp st. laid out as a public street and named Loring st., Aug. 27, 1884.
- Lothrop place**, B.; from Hanover st., south-east, between Prince st. and Richmond st.
- Lotus avenue**, W. Rox., 1856; from Lotus st. to Williams st.; now closed.
- Lotus place**, W. Rox.; from Washington st., south-easterly, nearly opposite Burnett st., to Stony Brook.
- Lotus street**, W. Rox., 1856; from Forest Hills st. to Williams st.; portion from Williams st., south-west, abandoned.
- Louisburg square**, B., 1826; from Pinckney st. to Mt. Vernon st.
- Louisiana place**, E.B.; from Princeton st., near Marion st., south-east.
- Love lane**, } B., 1708; from North st. to Salem st.; called North Writing  
**Love street**, } School lane, 1789; Love lane, from North st. by the North  
writing school to Salem st., 1800; name changed to Tileston st., June  
20, 1821.
- Love lane**, Dor., 1836; from Wales lane (now Geneva av.), south-east, to Love lane av. (now part of Olney st.).
- Love-lane avenue**, Dor., 1836; from Bowdoin av. (now Rosseter st.), north-east, to Love lane (Green st., now Geneva av.); now a part of Olney st.
- Lovedeed court**, Rox.; from Chadwick st., north-west, near cor. of Hampden st.
- Lovell place**, B.; from Poplar st., south-west, to the junction of Kennard court and Elder pl.; Lovett pl. so called in 1883.
- Lovering place**, B., 1855; from Washington st. to Harrison av., near Asylum st.
- Lovett place**, B., 1836; from Poplar st., south, near Brighton st.; called Lovell pl., 1883.
- Lovis street**, So. B.; from W. Fifth st. to Gold st., near E st.
- Lowder's lane**, W. Rox., 1849; from Centre st., near May st., south-westerly, then westerly; see Charles Whitney's map of Roxbury dated 1843-49; also called Louder's lane.
- Lowe street**, W. Rox., 1892; from Woodside av. to Sylvia st.; authority to open given by Street Commissioners, Aug. 10, 1892.
- Lowell court**, } B.; from Boylston st., near Common (now Tremont) st.,  
**Lowell place**, } south; Lowell court, 1806; later to La Grange st.; laid out  
and named Tamworth st., April 28, 1880.
- Lowell court**, B., 1847; from Tamworth st. (formerly Lowell pl.) east.
- Lowell square**, B., 1852; on Cambridge st. and Lynde st.; public square in front of the West church in Cambridge st. named Lowell sq., Aug. 30, 1852.

- \***Lowell street**, B., 1834; from Causeway st. to Brighton st.; from Causeway st., west, 1834; from Causeway st. to Brighton st. accepted, laid out and named, July 18, 1842.
- Lowell street**, B., 1826; laid out over the Neck, July 24, 1826; second of new cross streets, at southerly part of city, extending from Tremont st. to Suffolk st. (now Shawmut av.), named Lowell st., Sept. 15, 1834; called South Lowell st. in 1848; name changed to Milford st., May 14, 1849.
- \***Lowell street**, Rox., 1833; laid out as a new public highway from road near Guy Carlton's factory, in a southerly direction to old Boston & Providence road, near Hog bridge, Sept., 1833; road from Carlton's to Heath st. named Lowell st., Sept. 23, 1834; name changed to Pyncheon st., April 21, 1868.
- Lowell street**, Chsn., 1837; from Bunker Hill st., north-east, to Mystic River.
- Lower road**; from Roxbury to Milton; old name of Adams st.; also a part of Dudley st.
- Lowland place**, E.B.; from Everett st., between Cottage st. and Lamson st., south-westerly.
- \***Lowland street**, So. B., 1868; from E. Eighth st. to Jenkins st.; name of Highland st. changed to Lowland st., April 21, 1868; laid out from Eighth (now E. Eighth) st. to Jenkins st., Nov. 17, 1868; name changed to Mercer st., March 1, 1888.
- Lubec street**, E.B., 1845; from Swift st. to Maverick st.; authority to open between Parkway and Prescott st. given by Street Commissioners, April 21, 1893.
- †**Lucas place**, } B.; from Washington st. to Tremont st.; from Washington  
**Lucas street**, } st., west, called Lucas pl., 1828; Lucas st., 1851; extended to Tremont st., 1855; Lucas st. laid out from Middlesex st. to Shawmut av., Oct. 13, 1891.
- Lucas street**, Bri.; from N. Beacon st. to Mapleton st., laid out from N. Beacon st. to Elmira st. as Etna st., Nov. 10, 1893.
- \***Ludlow street**, Chsn., 1884; from Eden st. to Mead st.; Garden pl. laid out as a public street and named Ludlow st., June 30, 1884.
- Luelner place**, Dor.; from Dorchester av., east, parallel with Centre st.; shown as an unnamed court in 1867; included in Dix st. upon its extension to Dorchester av., Oct. 2, 1877.
- Luke street**, Bri.; near Washington st. in 1859; no record.
- Luteman place**, Rox.; from Texas st., south-westerly; called also Leutman pl.
- Luther place**, B., 1868; from Commercial st., near Henchman st., south-west.
- Lyd's corner**, B., 1708; cor. of Hanover st. and Wing's lane (now Elm st.) then so called.
- Lyman avenue**, Bri., 1856; from Market st., north-westerly, to railroad, then parallel with it to Hillside av.; laid out with a part of Hillside av. as Wicklow st., Dec. 5, 1881.
- Lyman place**, B., 1869; from Lyman st., south-westerly, towards Green st.
- Lyman place**, B., 1834; from Leverett st., east; previous to 1812 called New Prince st., Cross st., Tucker st.; called Leverett pl. or alley in 1812; Lyman pl., April 14, 1834; changed to Lyman st., July 23, 1856.
- \***Lyman street**, B., 1856; from Staniford st. to Leverett st.; part from Leverett st., east, called New Prince st., at times previous to 1788; Cross st., 1802; Tucker st., 1803; Leverett pl. or alley, 1812; named Lyman pl., April 14, 1834; name changed to Lyman st., July 23, 1856; Staniford st. extended over part of, May 11, 1886.

**Lynde avenue**, Chsn., 1852; from Main st., south-westerly, then south-easterly to Austin st.

**Lynde court**,  
**Lynde place**,  
**Lynde-street place**, } B.; from Lynde st., westerly; called Lynde pl.,  
 1837; Lynde court, 1874; also Lynde-st. pl.

\***Lynde street**, B., 1732; from Cambridge st. to Green st.

\***Lynde street**, Chsn., 1838; from Arrow st. to Austin st. at junction of First st.; accepted from Arrow st. to Union st., March 27, 1843; accepted from Union st. to Austin st., March 27, 1849.

**Lyndeboro' place**, B., 1838; from Carver st. at its junction with Pleasant st., north-easterly.

\***Lyndeboro' street**, Chsn., 1847; from Essex st. to Middlesex st.; laid out and accepted, Dec. 21, 1857; entrance from Essex st. enlarged, May 14, 1866.

\***Lyndhurst street**, Dor.; from Washington st. to Allston st.; laid out, May 8, 1894.

**Lynn street**, B., 1708; from the North Battery, north-westerly, to the ferry-way by Hudson's point; laid out after the "great desolations" of the war, March 5, 1787; from Winnisimmet ferry to Charles River bridge, 1800; the part from North Battery to Winnisimmet ferry being included in Ship st.; together with part of Ann st., named Commercial st., Feb. 17, 1834.

\***Lynn street**, B., 1884; from Cooper st. to Thacher st.; Thacher av. laid out as a public street and named Lynn st., Sept. 10, 1884.

**Lynnville terrace**, Dor.; from Washington st., south-west, nearly opposite Eldon st.; formerly called Hartford pl.

**Lyon place**, Rox.; from Shawmut av., near cor. Camden st., south-east.

\***Lyon street**, Dor.; from Dorchester av. to Adams st.; laid out, Aug. 10, 1893.

**Lyon street**, W. Rox., 1825; from Centre st. by Lyon's; named, May 9, 1825; name changed to Bellevue av., April 2, 1860.

**Lyons street**, Dor.; from Lauriat av. to Franklin Field.

\***M street**, So. B., 1805; from E. First st. to E. Ninth st., with proposed extensions northerly to Harbor, and southerly to line in "Old Harbor;" from salt water on to south, to Harbor of Boston on the north; laid out and named, Feb. 27, 1805; laid out from low-water mark north of First st. to Harbor line in Dorchester Bay, Nov. 17, 1868; portion south of location of proposed E. Tenth st. included in the Strandway.

**M-street pl.**, So. B.; from M st., west, between E. Fifth st. and E. Sixth st.

**Maccarty's corner**, B., 1708; cor. of King (now State) st. and Leveret's lane (now Congress st.) then so called.

**Mackereel**,  
**Macril**,  
**Mackrill**, } lane, B, 1708; from King (now State) st. to Water st.; called  
 Kilby st., 1769.

**Mackin street**, Bri.; from Western av. to Waverly st.

**Madison avenue**, Dor., 1874; from Madison (now Morton) st. to Willow-wood (formerly Shreve) st.

**Madison avenue**, Chsn., 1875; from Tremont st. to Ferrin st.

**Madison avenue**, Bri., 1875; from Washington st., south-westerly, crossing Union st., Cushman st. and Ames st.; shown as a contemplated street from Washington st. to Union st.

**Madison court**, Rox., 1853; from Parker st., easterly, near Huntington av.

- Madison park**, Rox.; between Marble, Warwick, Westminster and Sterling sts.; same called Madison sq., 1884.
- Madison place**, B., 1826; from Pleasant st., near Eliot st., west; afterwards to Church st.; closed on extension of Columbus av., 1872.
- Madison place**, B., 1868; from Washington st., east, near Dover st., parallel with Washington st., between Dover st. and Decatur st., opening through an arch into Washington st.
- Madison square**, Rox.; between Marble, Warwick, Westminster and Sterling sts.; at one time called Madison park.
- \***Madison street**, Rox., 1868; from Washington st. to Shawmut av.; called Webster st.; name changed to Madison st., April 21, 1868; laid out, July 21, 1876.
- Madison street**, Dor., 1840; from Norfolk st., opposite Forest Hills av. (now Morton st.), to Back st. (West Roxbury line), opposite Morton st.; same named, March 11, 1840; new road from Lower Mills in Dorchester to Jamaica Plain laid out by County Commissioners, Sept., 1852, including parts of Forest Hills av., Madison st., and Morton st.; part from Back st. to Canterbury st. named Morton st.; name of Madison st., from Norfolk st. to Back st., changed to Morton st., March 1, 1888.
- Magazine lane**, Rox.; from junction Hampden st. and Dudley st. to Magazine st., north of St. Patrick's church; part of Magazine st., from end of present Dunmore st. to Dudley st., so called after Magazine st. was straightened to Dudley st.; named Dunmore st., Jan. 28, 1884.
- Magazine road**, Rox.; Magazine st. sometimes so called.
- \***Magazine street**, Rox., 1662; from Dudley st., opposite Blue Hill av. and Mt. Pleasant av., to Swett st.; Town way from Dudley st. to Pine Island laid out, Jan. 19, 1662; called Magazine lane, Magazine road and Magazine st.; extended from end of present Dunmore st. in a straight line to Dudley st., Dec. 15, 1873, remainder of old street to Dudley st. being called Magazine line and named Dunmore st., March 1, 1884; relocated from E. Chester pk. (now Massachusetts av.) to Norfolk st., July 17, 1886.
- Magdala street**, Dor.; from Codman st. to Van Winkle st.; Bromley atlas, 1894.
- Magnolia square**, Dor.; from Magnolia st., north-west, near Chamblet st.
- \***Magnolia street**, Dor., 1882; from Dudley st. to Lawrence av.; from Dudley st. to Quincy st. located and accepted as Myrtle st., March 2 1853; extended to Lawrence av., Sept. 16, 1876; named Magnolia st., March 1, 1882.
- Magnor's row**, B.; boards placed at corner of lane leading from Kilby st., with name of Magnor's row upon them, removed and replaced by others bearing the former name of Lindall's lane, June 24, 1801.
- Magog place**, Rox.; from Albany st., north-west, near Hunneman st.
- Mahan avenue**, Rox.; from Hampshire st. to Downing st.
- Mahan place**, B., 1839; from Pleasant st., east, near Eliot st.
- Mahn's terrace**, W. Rox.; from Amory st., north-west, near Boylston st.
- Maiden lane**, Rox.; from Hampden st. to Reed (now Reading) st.
- Main street**, Rox.; the present Roxbury st. so called on plan dated 1836.
- \***Main street**, Chsn.; from City sq. to Somerville line; altered and straightened from cor. of Water st. nearly to the Neck or Causeway, 1780; alteration of the road at the Neck and at junction of road leading to Cambridge approved, May 12, 1800; lands conveyed for purpose in 1801 and 1804; laid out on or near land when vacant by fire, Dec. 23, 1835; laid out anew from Charlestown sq. to southerly side of railroad, in direction of Charles River bridge, Oct. 6, 1845; from Bunker Hill st.

to Cambridge st. accepted and laid out as a public way, Sept. 4, 1865; laid out and accepted, Dec. 31, 1867; straightened and laid out between Eden st. and Mead st., July 20, 1868.

- Main street**, Bri.; Washington st. so called on plan dated 1843.
- Main-street court**, Chsn.; from Main st., north-east, then north-west; name changed to Hathon sq., April 24, 1878.
- Maitland street**, Rox.; from Beacon, south-easterly, to Brookline Branch of B. & A. R.R.
- Malbon place**, Rox., 1868; from Roxbury st., north, parallel with Gay st.; name of Eliot pl. changed to Malbon pl., April 21, 1868.
- \***Malcolm street**, B., 1891; from Chestnut st. to Mt. Vernon st.; Chestnut av. laid out with name of Malcolm st., Dec. 16, 1891.
- Malden court**, B., 1859; from Malden st., north, near Harrison av.
- Malden place**, B., 1843; from Malden st., north, near Harrison av.
- Malden road**, Chsn.; an old name of Alford st., from Main st. to Malden bridge.
- \***Malden street**, B., 1826; from Washington st. to Albany st.; laid out on the Neck, July 24, 1826; named from Washington st. to Front st. (now Harrison av.), Sept. 15, 1834; to Albany st., 1854; extended from Harrison av. to Albany st., Dec. 14, 1859.
- Mall, The**, B.; on the east side of the Common, about 1790; extended to the end of "Foster's pasture, lately so called," May 13, 1795.
- \***Mall street**, Rox., 1825; from Eustis st. to Dearborn st.; from Davis (now Albany) st. to Eustis st., north-east of the Mall, named Mall st., May 9, 1825; line changed, July 16 and Sept. 3, 1860; line established, Nov. 27, 1865.
- Mall-street place**, Rox.; from Mall st. to Webber st.; now Douglass av.
- Mallett street**, Chsn., 1837; from Bunker Hill st. to Mystic River, near present location of Walnut st.
- Malone block**, } B., 1855; a block of buildings on the east side of Wash-  
**Malone place**, } ington st., between Concord st. and Worcester st. (now  
 Worcester sq.), 1855; called Malone pl. in 1859.
- Malvern street**, Dor.; from Adams st. to Milton st.
- Malvern street**, Bri., 1841; from N. Beacon st. (now Brighton av.), to Ashford st.; laid out by Selectmen, Dec. 17, 1873; accepted conditionally, Dec. 30, 1873.
- Man place**, Rox.; from Yeoman st., north-easterly, between Chadwick st. and Adams st.; so shown in an atlas dated 1884; now Yeoman pl.
- Manor street**, Rox.; from Farngate st. to an unnamed street leading to Reservoir, and parallel with Fisher av.
- Mansfield place**, Chsn.; from Tremont st., south-west, near Chelsea st.; formerly Arlington pl.
- \***Mansfield street**, Bri., 1882; from Cambridge st. to Hill av. (now Easton st.); part of Otis st. laid out, from Cambridge st. to Hill av., with name of Mansfield st., April 17, 1882.
- \***Mansur street**, Rox.; from Day st. to Schiller st.; laid out, July 16, 1891.
- Mansur street**, W. Rox.; from Metropolitan av. to Hyde Park line.
- Maple avenue**, Bri.; from Market st. to Murdock st., between Elmira st. and Garden st.
- Maple avenue**, Rox.; from Brookline av., westerly, then curving south-westerly, to Longwood av., opposite Bellevue st.; part of formerly Appleton pl.; accepted conditionally, June 29, 1863; Bellevue st. extended over Maple av., from Longwood av. to Brookline av., Feb. 14, 1887.

- \***Maple-avenue court**, Rox.; accepted conditionally with Bellevue st. and Appleton pl., June 29, 1863; conditions do not appear to have been complied with or street built (and not given in directories or on chart).
- Maple park**, Rox.; from Dale st., south-west, between Laurel st. and Sherman st.
- Maple place**, B., 1837; from Harrison av., west, then north, to Oak st.; from Harrison av., west, next south of Oak st., 1837.
- Maple place**, E. B.; from Havre st., south-east, near Porter st., to an unnamed place; same called Model pl. in 1884.
- Maple place**, W. Rox.; from Starr lane, south, crossing Seaverns av.
- Maple place**, W. Rox.; from Canterbury st., north-west; shown on a map of Roxbury dated 1849; now a part of Mt. Hope av.
- Maple street**, B., 1822; from Chestnut st. to Olive (now Mt. Vernon) st.; name changed to Willow st. in 1823.
- \***Maple street**, Rox.; from Seaver st. to Georgia st.; accepted, Oct. 24, 1864; shown from Seaver st. to and crossing Schuyler st. in 1874 atlas; laid out from Schuyler st. to Georgia av. (now st.), Oct. 2, 1877.
- Maple street**, Dor.; from Norfolk av., north-east, nearly to Willow court, crossing Clapp st. and E. Chester park (now Massachusetts av.).
- \***Maple street**, W. Rox.; from Centre st. to Weld st., shown as an unnamed street on plans dated 1851.
- Maple street**, W. Rox.; from South st., near Roslindale station, to Prospect (now Penfield) st.; name changed to Birch st., Dec. 5, 1876.
- Mapleton street**, Bri.; from Market st. to Murdock st.; Whitney st. now so called.
- Maple Grove avenue**, Dor.; from Bowdoin av. to Union av. (now Roseter st.); laid out as Bullard st., March 21, 1888.
- Marble court**, B., 1859; from Lynde st., west.
- \***Marble street**, Rox.; from Westminster st. to Warwick st.; shown but not named on plan dated 1860; laid out, Sept. 1, 1871.
- \***Marcella street**, Rox.; from Washington st. to Centre st.; shown but not named on plan dated 1845; on Charles Whitney's map of Roxbury, 1849, from Dedham turnpike to Highland st.; plan dated 1860, shows contemplated continuation of Marcella st. from Highland st., north, then north-west; lines of Marcella st. and Highland st. changed, Dec. 22, 1862; accepted, Dec. 27, 1864.
- \***March avenue**, W. Rox.; from Bellevue st. to Park st.; laid out, Nov. 2, 1876.
- \***Margaret alley**, B., 1814; from Snowhill st. to Margaret lane (now st.); confirmed as a public street, Sept. 15, 1834; named Margaret av., 1837; called Cleveland pl., 1846.
- \***Margaret avenue**, B., 1837; from Snowhill st. to Margaret lane (now st.); called Margaret alley, 1814-1837; named Cleveland pl., 1846.
- Margaret lane**, B., 1733; from Prince st., north; called Margaret st. in 1796; given as Margaret lane on Carleton's map, 1800, and in Edes' list, 1800.
- \***Margaret street**, B., 1796; from Prince st. to Sheafe st.; Margaret lane, 1733-1796; confirmed as a public street, Sept. 15, 1834.
- Marginal street**, B., 1824; from S. Market st. to Clinton st.; included in Commercial st. in 1825.
- Marginal street**, B., 1832; including Commercial st., Sea st. and part of Front st., and laid out between these to make a continuous street from north to south part of city, May, 1832; now Commercial st., Atlantic av., Federal st., from Summer st. to Kneeland st., Kneeland st. to Harrison av., and Harrison av. to Northampton st.

- \***Marginal street**, E.B., 1833; from Lewis st. to Jeffries st.; accepted and laid out from Lewis st. to Cottage st., May 10, 1852.
- Marie avenue**, Rox.; from Lambert av., east, opposite Lambert st.
- Marine park**, So. B.; at City Point, South Boston.
- Mariner place**, B., 1859; from Purchase st., west, south of Belcher's lane; also shown as Mariner's pl.; built over.
- Marion court**, E.B.; from Marion st., south-west, between Havre st. and Paris st.; Directory gives it Marion pl.
- Marion court**, E.B.; from Marion st., south-west, between Eutaw st. and Monmouth st.; same given Eutaw pl. in Directory, and on Bromley's atlas of East Boston dated 1892.
- Marion place**, E.B.; from Marion st., south-west, near London st.; so given in Bromley's atlas of East Boston, dated 1892; Directory of 1894 gives Marion court.
- \***Marion street**, B., 1825; from Pleasant st., west, to the Back Bay; from Pleasant st. to Church st. laid out and named, Oct. 24, 1862; name changed to Melrose st., April 20, 1869.
- \***Marion street**, E.B.; from Meridian st., at junction with White st., to Bremen st., with proposed extension to proposed part of Front st.; from White st. to Bennington st. shown on plan dated 1834; to Cottage st. on plan dated 1845; accepted from Chelsea st. to White st., June 3, 1856; accepted from Chelsea st. to Bremen st., Dec. 4, 1861; laid out, Sept. 15, 1868; extended from White st. to Meridian st., Jan. 15, 1872.
- Marion street**, W. Rox.; from Florence st., north-east, to B. & P. (now N.Y., N.H. & H.) R.R.
- \***Marion street**, Chsn.; from Bunker Hill st. to Princeton st.; laid out, Oct. 27, 1851.
- Market place**, B., 1788; near the Town dock; called Corn Market, 1708, and Market sq. about 1784; a part of Faneuil Hall sq., in 1855.
- Market place**, B., 1818; from Newbury (now Washington) st., west, next north of Boylston st., 1818; Gibbon's pl., 1784; now Gibbon court; called Gibbon pl. in Directory, 1884 and 1894.
- Market place**, Rox.; from Tremont st., south-east, between Vernon st. and Clay (now Linden-Park) st.
- Market row**, B., 1818; the name given to buildings between Market st. and Dock sq., to avoid confusion of numbers on Cornhill, Oct. 1, 1817; now Cornhill.
- Market square**, B., 1784; north, south, and west sides of Faneuil Hall market; changed to Faneuil Hall sq., in 1855.
- Market street**, B., 1817; from Court st. to Cornhill (now Washington) st.; new street from Court st. to the Market, named Market st., June 11, 1817; name changed to New Cornhill, Jan. 29, 1827; same named Cornhill, May 16, 1829.
- \***Market street**, B., 1807; from Portland st. to Canal st.; laid out over the Mill-pond, Aug. 3, 1807; named in 1829; extended to Charlestown st., 1836; part across B. & M. R.R. discontinued, April 7, 1845; part of laid out as part of Haymarket sq., April 21, 1845; discontinued between Canal st. and Haverhill st., in 1848.
- \***Market street**, Bri., 1840; from Washington st. to Western av.; road leading to Cambridge widened, 1826; named from "near Unitarian Meeting-house, north-east, to River st." (now Western av.), June 15, 1840.
- Marlboro' place**, B., 1813; from Washington st., about opposite Bromfield st., to Hawley st.; closed in 1848.



**Marlboro' row**, B., 1816-25; Marlboro' st., opposite Old Province House; same as Province House row.

\***Marlboro' street**, B., 1856; from Washington st. to Bradford st.; called Washington court, 1845; accepted conditionally, and when accepted to be named Marlboro' st., Oct. 27, 1856; no record of fulfilment of conditions, but Marlboro' st. accepted, Oct. 4, 1859; name changed to Acton st., Feb. 29, 1864.

**Marlborough street**, B., 1708; from Summer st. to School st.; made a part of Washington st., June 6, 1824.

\***Marlborough street**, B. and Rox., 1858; from Arlington st. to Ipswich st., now Charlesgate-east; from Arlington st., west., on Back Bay land, 1858; from Arlington st. to Berkeley st. dedicated as a public highway, Dec. 21, 1864; from Berkeley st. to Dartmouth st. laid out, Dec. 7, 1869; from Dartmouth st. to Exeter st. laid out, July 24, 1873; from Exeter st. to Gloucester st. laid out, Aug. 3, 1874; from Gloucester st. to Hereford st. laid out, Feb. 19, 1876; from Hereford st. to W. Chester park (now Massachusetts av.) laid out, June 13, 1879; from W. Chester park to Ipswich st., Dec. 28, 1882.

**Marlou terrace**, W. Rox.; from Lamartine st., north-west, between Green st. and Bell st.

**Marlowe street**, Dor.; from Park st. to Vinson st.

**Marmion street**, W. Rox.; from Cornwall st., north-east, near Brookside av.

\***Marsh lane**, B., 1708; from Union st., east, to Creek sq.; the way leading from Creek lane (now sq.) to Mr. Webb's corner in Union st., 1708; from Odiorne's, east, to Creek lane, 1800; from Union st. to Creek sq., 1817.

†**Marsh street**, Dor., 1840; from junction Adams st. and Granite st., generally easterly and south-easterly towards Neponset River; laid out previous to 1805 and called Davenport's lane; road to the landing-place by Daniel Pierce's straightened, etc., and named Marsh st., March 11, 1840.

**Marshall place**, B., 1846; from Charter st., south-west, next to Copp's Hill Burying-Ground.

**Marshall place**, Chsn.; from Walnut st., north-west.

\***Marshall street**, B., 1822; from Union st. to Hanover st.; called Marshall's lane, 1708; named Marshall st., April 3, 1822.

**Marshall street**, W. Rox.; from Spring st. near Gardner st., north.

**Marshall's alley**, B., 1784; from Kilby st., east; from Kilby st., east, to the water, 1800; called Bangs alley, 1803-1825; probably the alley-way next south of Doane st.

**Marshall's court**, Chsn.; from Bow st., east.

**Marshall's lane**, B., 1708; from Hanover st. to Union st.; named Marshall st., April 3, 1822.

\***Marshfield street**, Dor., 1886; from Clifton st. to Norfolk av.; from Clifton st. to Batchelder st. laid out, Aug. 13, 1886; from Batchelder st., including Dolan court, to Norfolk av., July 5, 1890.

**Marston avenue**, Dor.; from Blue Hill av., at junction Warren st., east; included in extension of Geneva av., May 26, 1880.

**Marston place**, B., 1828; from Chambers st. to Leverett st., with two openings into Leverett st.; from Chambers st., east, 1828.

**Martin street**, W. Rox., 1848; from La Grange st. across Park st.

\***Marvin street**, Rox., 1885; from Washington st. to Shawmut av.; laid out, May 11, 1885.

**Mascoma street**, Dor.; from Quincy st. to Lawrence av.

- Mascot street**, Dor.; from Mountain av. to Ballou av.; authority to open given by Street Commissioners, July 20, 1893.
- Mason court**, B., 1825-29; from Elm st., north; now a private passage.
- Mason court**, B., 1857; from Mason st., east, now Mason pl.
- Mason court**, Chsn.; from Sullivan st., south-east, between Bartlett st. and Russell st.
- Mason place**, B.; from Mason st., east (called Mason-street pl. on chart, 1884); formerly called Mason court.
- \***Mason street**, B., 1809; from West st., south-west, to Avery st., then west, to Tremont st.; shown on Carleton's map. 1795; from West st. to Sheafe's lane (now Avery st.) named, 1809; included a part of Sheafe's lane, 1834; confirmed as a public street, Sept. 15, 1834; the site of the Haymarket.
- \***Mason street**, Chsn.; from Bow st. to Front st.
- Mason-street place**, B.; from Mason st., east; called Mason pl. in Directory and records.
- \***Massachusetts avenue**, Bri.; from Brighton av., at Malvern st., to Chestnut Hill av., opposite entrance to Chestnut Hill reservoir; laid out, Nov. 5, 1883, including Washburn st. from Harvard av., south-west-erly, towards Warren st.; name changed to Commonwealth av., March 1, 1887.
- \***Massachusetts avenue**, B., Rox., and Dor., 1894; from Charles River at Harvard bridge to Cottage st., at Boston st.; the names of W. Chester park, Chester sq., Chester park, and E. Chester park, changed to Massachusetts av., March 1, 1894.
- Massasoit avenue**, Dor.; from Talbot av. to New England av.; Bromley atlas, 1894.
- Matchett street**, Bri.; from Washington st., near Newton line, to Richards st.
- Mather court**, Dor.; from Dorchester av., west, now Mather st.
- \***Mather street**, Dor.; from Dorchester av. to Allston st.; called Mather court on plan dated 1854; laid out, Aug. 12, 1869.
- Mather street**, So. B.; with part of Boston st. named Dorchester st., July 3, 1855.
- Mattapan street**, Dor.; from Tileston and Blue Hill avs., near Walk Hill st., north-west, to Tileston av. again,
- Mattapan street**, W. Rox.; from Shawmut av. (now Washington st.) to Dorchester line; named, April 2, 1860; called Ashland st. before and since.
- \***Matthews street**, B., 1868; from Federal st. to Congress st.; called Round lane, 1732; Williams st., 1821; name changed to Matthews st., April 21, 1868.
- \***Maudlin street**, Chsn.; from Wapping st. to Foss st.; "March 2, 1767," continuation 14 feet wide from Water st. to Charles River restored to original width, Nov. 28, 1831; no record of discontinuance from Foss st. to the river.
- \***Maverick square**, E.B., 1833; from Sumner st., opposite Lewis st., to Maverick st., opposite Meridian and Chelsea sts.; laid out as Hotel square, Aug. 7, 1848; no record of change of name.
- \***Maverick street**, E.B., 1833; from New st. to Jeffries st.; laid out from Orleans st. to Hotel sq., Aug. 7, 1848; laid out from Hotel sq. to New st., Dec. 16, 1850; street accepted, Nov. 22, 1852.
- Maxfield street**, W. Rox.; from Bellevue st. to La Grange st.
- \***Maxwell street**, Dor.; from Nelson st. to Milton av.; laid out, June 8, 1891.

- May place**, B., 1833; from Oak st., northerly, by two exits to Nassau st.
- May place**, Rox.; from Ruggles st., north, between Field st. and Leon st. (formerly Avon pl.).
- May place**, W. Rox.; from end of May st., north-east; so called in deed.
- \*May street**, B., 1733; from Butolph (now Irving) st., west, to the water, 1733; by Carleton's maps, 1795 and 1800, from Hancock st. to the water; leading to the powder-house, 1800; the portion from Hancock st. to Butolph st. called Myrtle st., 1806; from S. Russell st. to Charles st., 1817; laid out and continued through to Belknap (now Joy) st., June 9, 1834; confirmed as a public street, Sept. 15, 1834; discontinued as a public street, March 17, 1835; name changed to Revere st. (from S. Russell st. to Charles River), Aug. 7, 1855.
- May street**, Dor.; from Glen road (now Glenway st.) to Greenwood st.
- \*May street**, W. Rox.; from Centre st. to Pond st.; named, May 9, 1825; probably a public highway some time previous; shown on plan dated 1845; May's lane named May st., May 7, 1855.
- May-street court**, B., 1849; from May (now Revere) st., near W. Cedar st.; named Revere-street court, 1858.
- May-street place**, B., 1844; from May (now Revere) st., near Grove st.; named Revere-street pl., 1857.
- \*Mayfair street**, Rox., 1882; from Elmore st. to Bainbridge st.; name of Wilmont st. changed to Mayfair st., March 1, 1882.
- †**Mayfield street**, Dor.; from Dorchester av. to Bakersfield (formerly F) st.; part between Dorchester av. and Pleasant st. laid out, Nov. 25, 1882; authority to open part between Pleasant st. and Bakersfield st., which was then called C st., given by Street Commissioners, May 4, 1892.
- \*Maynard street**, W. Rox., 1887; from Metropolitan av. to Poplar st.; laid out, Oct. 17, 1887.
- \*Mayo street**, B.; from Castle st. to Cobb st., near Washington st.; laid out, Sept. 21, 1886.
- May's court**, B., 1812; from Belknap (now Joy) st., west; named Smith court, 1848.
- May's lane**, W. Rox.; May st., from Centre st. to Pond st., so called at one time.
- Maywood place**, Rox.; from Maywood st., north-east, near Blue Hill av.
- \*Maywood street**, Rox.; from Warren st. to Blue Hill av.; laid out, April 9, 1875.
- Maywood terrace**, Rox.; from Maywood st., south-west, near Warren st.
- McGee street**, Rox.; from Norfolk av. to Sherwood st., near Germain st.
- McLean court**, B., 1829; from McLean st., south-westerly, then north-westerly, south-westerly, and southerly, to Seabury pl., and south-easterly, towards Chambers st., and southerly, to Eaton st.; called S. Allen court, 1822; McLean court (from McLean st., south), 1829.
- \*McLean street**, B., 1828; from Chambers st. to Blossom st.; called "Thirty-foot passage," 1784; from Wiltshire (now Chambers) st., westerly, Carleton's map, 1800; called S. Allen st., 1806; accepted, recorded as a public street and named McLean st., Dec. 22, 1828; from Chambers st. to Blossom st., 1829; confirmed as a public street, Sept. 15, 1834.
- McLellan avenue**, Dor.; from Blue Hill av., south-west, near Glen road (now Glenway st.); laid out, with the name of McLellan st., from the Old road to Eric st., Dec. 29, 1892, and from Erie st. to White st., Oct. 16, 1894.

- \***McLellan street**, Dor., 1892; from the Old road (Blue Hill av.) to White st.; McLellan av. laid out, with the name of McLellan st., from the Old road to Erie st., Dec. 29, 1892, and from Erie st. to White st., Oct. 16, 1894.
- McLellan street**, B.; from 34 Reed st.
- McManus court**, Chsn.; from Quincy st., north-westerly.
- †**Mead street**, Chsn., 1844; from Main st. to Bunker Hill st.; laid out from Main st. to Russell st., Aug. 4, 1851.
- Mead-street court**, Chsn.; from Mead st., north-west, opposite Ludlow st.
- \***Meander street**, B.; from E. Dedham st. to Malden st., between Washington st. and Harrison av.; laid out by City prior to 1834; named by City in 1850; accepted, July 23, 1862.
- Mechanic court**, B.; from Mechanic st.
- Mechanic court**, B., 1844-46; from Washington st., west, north of Winter st.; closed.
- Mechanic court**, B., 1855; from Hawley st., between Franklin st. and Milk st.; closed.
- Mechanic court**, So. B.; named on plan dated 1855.
- Mechanic place**, B., 1823; from Orange (now Washington) st., west, near Pleasant st.; called Ohio pl., 1843, and Ohio st. (from Washington st. to Shawmut av.), 1872.
- Mechanic place**, Bri., 1856; from Mill-dam road (now N. Beacon st.), south-west; plan in Middlesex Reg. South District, 17 A, No. 1; part of now included in Mechanic st.
- \***Mechanic street**, B., 1825; from Hanover st. to North st.; called City court (from Fish (now North) st., west) in 1822; called Mechanic st. in 1825.
- Mechanic street**, So. B.; name changed to Rogers st., Aug. 7, 1855 (Rogers st. from Dorchester st. to Preble st.).
- †**Mechanic street**, } Rox., 1844; from Willis st., crossing Ruggles st., to  
**Mechanics street**, } Madison court; whole street shown on plan dated 1853; accepted and named, from Ruggles st. to Madison court, June 27, 1864; previously called Mechanicks court or pl. and Mechanics st.
- Mechanic street**, Rox., 1843; from Dedham and Providence turnpike (now Washington st.), north-west, then north-east, to Cedar st.; the first part is now part of Oakland st., and the second, part of Thornton st.
- Mechanic street**, Chsn.; from Putnam st. to Adams st.; same in 1875; laid out from Putnam st. with the name of Ellwood st., Sept. 13, 1887.
- Mechanic street**, Bri., 1860; from N. Beacon st. (now Brighton av.), south, then east to Allston st.; part of sometimes called Mechanic av.; part of formerly called Mechanic pl.
- †**Mechanicks court or place**, Rox.; from Willis st., crossing Ruggles st., to Madison court; called also Mechanic and Mechanics st.; accepted and named Mechanic st., from Ruggles st. to Madison court, June 27, 1864.
- Mechanics place**, So. B.; from E. Seventh st., south, between L st. and M st.; same given Pleasant pl. in Directory, 1884.
- Mechanics row**, B.; from Washington st., east, between Savoy (formerly S. May) st. and Cottage pl.; known as Sands pl., 1859; Ottawa pl., 1873; and as Temple park, 1879.
- Medford court**, B.; from Medford st., south-west, near Charlestown st.; enclosed.
- Medford court**, B., 1844; from Washington st. to Bradford st.; from Washington st., west, 1844.

- Medford road**, Chsn., 1834; from W. Cambridge road (plan in south Middlesex Reg., 349 end).
- \***Medford street**, B., 1807; from Charlestown st. to Causeway st.; laid out over the Mill-pond, Aug. 3, 1807.
- \***Medford street**, Chsn., 1837; from junction of Main st. and Bunker Hill st. to Chelsea st.; new street laid out on north-east side of Bunker Hill from the Neck to Salem turnpike (now Chelsea st.), Dec. 7, 1835; laid out and named Medford st., from town way leading to Johnson's wharf to a cross street contemplated to connect with Bunker Hill st. (Main st. to Everett st.), March 27, 1837; continued towards Salem turnpike "so far as deemed expedient for interest of Town," Nov. 25, 1844; continuation from Everett st. to Tufts st. laid out, April 26, 1845; continuation from Everett st. to Lexington st. laid out, July 21, 1848; extended from Lexington st. to Chelsea st., Jan. 3, 1852.
- Medford turnpike**. Chsn.; from Main st. to Somerville line; laid out by County Commissioners, June 26, 1867; name of so much as lies within limits of Charlestown changed to Mystic av., April 13, 1869.
- Medford-street court**, B.; from Medford st., north-east; enclosed.
- \***Medway street**, Dor., 1889; Riverview av. laid out from Adams st. with the name of Medway st., Oct. 21, 1889.
- Meer's corner**, B., 1708; south side of Dock sq., cor. of the Corn Market then so called.
- Melbourne street**, Dor.; from Centre st. to Welles av.
- Mellen street**, Dor.; from Ocean st. to Montague st.; authority to open from Waldorf st. to Montague st. given by Street Commissioners, July 19, 1893.
- Melrose place**, B., 1849; from Poplar st., north-east, between Chambers st. and Spring st.; same called Parris pl. in 1845-49.
- \***Melrose street**, B., 1869; from Pleasant st. to Ferdinand st.; from Pleasant st. west, to the Back Bay called Marion st., 1825; laid out from Pleasant st. to Church st. and named Marion st., 1862; name changed to Melrose st., April 20, 1869.
- Melton road**, Bri., 1895; from Wallingford road to the junction of Colonial road and Nottingham road; authority to open given by Street Commissioners, Jan. 1, 1895.
- \***Melville avenue**, Dor.; from Washington st. to Dorchester av.; shown from Washington st. to Allston st. on plan dated 1863; laid out from Washington st., and extended to Dorchester av., Dec. 28, 1869.
- Melville place**, B.; from Spring st., north-west, near Milton st.; same in 1840.
- Melynes corner**, B., 1708; the northerly termination of Common (now Tremont) st.
- Mendum street**, W. Rox.; from Walter st. to Fairview st.; authority to open given by Street Commissioners, April 21, 1894.
- \***Menlo street**, Bri., 1891; from Henshaw st. to Sparhawk st.; laid out, Nov. 13, 1891.
- Mennig court**, Rox.; from Hampshire st., south-east, near Culvert st.
- \***Mercantile street**, B.; from S. Market st. to Richmond st.; from Clinton st. to 90 feet north of Richmond st., 1856; street leading from Clinton st. to Richmond st. in rear of Mercantile wharf. Buildings named Mercantile st., July 1, 1857; portion north of Richmond st. extended discontinued, Oct. 8, 1875; extended from Clinton st. to S. Market st., Dec. 19, 1879.
- Mercantile wharf**, B., from Atlantic av., south-east, next south of Commercial wharf.

\***Mercer street**, So. B., 1863; from Dorchester st. to Jenkins st.; laid out from Dorchester st. to E. Eighth st., Nov. 17, 1868; name of Lowland st., from E. Eighth st., opposite Mercer st., to Jenkins st., changed to Mercer st., March 1, 1888.

**Merchants hall**, B., 1817; in Water st.

\***Merchants' row**, B., 1708; from State st. to North st.; from King (now State) st. north, to the Town Dock, 1708; from Faneuil's corner round to Woodmansie's wharf, 1732; from State st. across the east end of Faneuil hall, 1784; from State street to Ann (now North) st., including part of Roebuck passage, 1825; Roe Buck passage from the Town Dock to Ann st. laid out as a continuation of Merchants' row, Oct. 9, 1826; continued to Blackstone st., Dec. 8, 1834; angular piece, between estates of Moses Pond and George B. Richardson, discontinued, March 31, 1851; the portion between N. Market st., and North st. was formerly called Swing-Bridge lane, Fish lane, and Roebuck passage.

**Meridian place**, E.B.; from Central sq., near Meridian st., east.

\***Meridian street**, E.B., 1833; from Maverick sq. to Meridian-st. bridge north of Condor st.; accepted at junction of Paris st., Aug. 12, 1836; accepted from Hotel (now Maverick) sq. to Paris st., Aug. 27, 1849; laid out, accepted and named from Paris st. to Saratoga st., Dec. 30, 1850; same laid out and named, July 28, 1851; remaining portion not accepted (from Saratoga st. to Condor st.) laid out as a public highway, May 10, 1852; laid out from Condor st. to low-water mark on south side of Chelsea creek, Sept. 10, 1884.

**Merlin street**, Dor.; from Park st. to Jackson pl.

**Merlin street**, W. Rox.; from Centre st. to Weld st.

**Merrau's alley**, B., 1744; from South st., east; see deed l. 69, f. 252, Suffolk Registry.

**Merriam place**, Rox.; from Thornton st., south-east, near Marcella st.

\***Merrill street**, Dor.; from Glenarm st. to Erie av. (now Erie st.); from New Seaver (now Seaver) st. to Erie av., 1874; laid out from New Seaver st. to Erie av., Aug. 18, 1881; altered, Oct. 21, 1882; name of part from angle at Glenarm st. to New Seaver st. changed to Glenarm st., March 1, 1883.

**Merrimac place**, B., 1857; from Merrimac st., south, near Norman st.; called Paris pl., 1848; named Merrimac pl., 1857.

\***Merrimac street**, B.; from Haymarket sq. to Causeway st.; laid out over the Mill-pond, from Union st. to Causeway st., Aug. 3, 1807; accepted in 1813.

**Merry's point**, B.; prior to 1666 the site of the North Battery; now Battery wharf.

**Merton place**, Rox.; from Centre st. to Newark st. (formerly Eaton court).

**Messenger street**, B., 1856; from Chestnut st. to Beacon st.; called D st., 1828; named Messenger st., Jan. 5, 1856; name changed to Brimmer st., April 20, 1869.

**Messinger street**, Dor.; from Rockville st., north-westerly, crossing N.Y. & N.E. R.R., Haven av., Bismarck and Favre sts.

**Metcalf street**, W. Rox.; from Dudley av., north-east, crossing Houston st.

**Methodist alley**, B., 1796; from North (now Hanover) st. to Ship (now North) st.; name changed to Hanover av., Aug. 24, 1829.

\***Metropolitan avenue**, W. Rox.; from Washington st. to Hyde Park line; laid out from Shawmut av. (now Washington st.) through Hyde Park to Brush Hill road (now Blue Hill av.), Milton, March, 1872.

- Metropolitan place, B.**; 1859; from Washington st., west, near Arnold st.; laid out and extended to Shawmut av. and named Woodbury st., March 29, 1882.
- Meyer street, W. Rox.**; crossing Catherine (formerly Spruce) st., north and south, between Florence st. and Bourne st.
- \***Michigan avenue, Dor.**; from Columbia st., near Blue Hill av., to Erie av. (now Erie st.); laid out, Dec. 15, 1875.
- Middle street, B.**, 1708; from the Mill bridge to Jonas Clark's corner at the end of Bennet st.; from the Mill bridge to the Rev. Mr. Murray's Meeting-house, 1800; from Mill creek to North st., 1817; made a part of Hanover st., July 6, 1824.
- \***Middle street, So. B.**; from Dorchester st. to Dorchester av.; extended to Dorchester av., Dec. 17, 1861; accepted from Dorchester st. to Dorchester av., May 23, 1865; laid out from Dorchester st. to Federal st. (now Dorchester av.), Nov. 17, 1868.
- Middle street, Chsn.**, 1810; from Bartlett st. to Bunker Hill st.; Oliver Holden conveys to Town for a public highway a parcel of land now used as a road called Middle st., running from Bartlett st., north-easterly, to Bunker Hill st., nearly parallel with Pleasant st., July 17, 1810; same later part made a part of School st.
- Middle street, Bri.**, 1882; from Third st. to Fifth st.; now in Brighton cattle-yards, near B. & A. R.R.
- Middlecot street, B.**, 1769; from Cambridge st., south, to Beacon Hill; laid out as a 40-foot street from Cambridge st. to near the present Derne st., 1727; included in Bowdoin st., July 6, 1824.
- Middlegate street, Chsn.**; existed previous to 1831; name changed to Prescott st., Dec. 5, 1836.
- Middlesex place, B.**, 1826; from Washington st., west, south of Bedford st.; closed in 1845.
- Middlesex place, B.**, 1851; from Middlesex st., near W. Castle st.; built over in 1861.
- \***Middlesex street, B.**; from Castle st. to Dover st.; from W. Castle (now Castle) st. to Hingham st., 1831; extended from Hingham st. to Dover st., Oct. 10, 1870.
- \***Middlesex street, Chsn.**; from Main st. to Rutherford av. at junction Essex st.; laid out from Main st. to Essex st. and accepted, Dec. 21, 1857.
- Middleton avenue, Dor.**; from Norfolk st., north-west, near Mortonst.
- Midland street, So. B.**; from First st., north-east; laid out over land and flats of Boston Wharf Company from First (now W. First) st. towards Eastern av. (now Congress st.), Dec. 17, 1855; name changed to A st., April 21, 1868.
- \***Midland street, Dor.**, 1869; from Savin Hill av. to Bay st.; laid out, July 13, 1874.
- Milford place, Rox.**, 1848; from Tremont st. to Grinnell st.; laid out, with the name of Sarsfield st., Dec. 10, 1887.
- \***Milford street, B.**, 1849; from Shawmut av. to Tremont st.; laid out over the Neck, July 24, 1826, and named Lowell st., Sept. 15, 1834; called S. Lowell st., 1848; named Milford st., May 15, 1849; accepted Dec. 7, 1857.
- \***Milk street, B.**, 1708; from Washington st. to India st., opposite Central wharf; called Fort st. prior to 1708; from the South Meeting-house down to the sea, 1708; way staked out by Selectmen at foot of Milk st. to low-water mark, agreeable to ancient order of July 1, 1673, Aug. 6, 1724; from the Old South Church eastward to the late Mr. Hallowell's ship-yard, 1800; to India st., 1804; easterly part of Milk st.

- from Batterymarch st. to the water named Commercial st., May 29, 1817; street leading from the main st. (Washington st.) easterly by the Old South Meeting-house to India st. and called Milk and Commercial sts., named Milk st. throughout, July 6, 1824; the northerly side of Milk st. from Congress st. to Bath st. included in Post Office sq., 1874.
- Milk-row road**, Chsn.; voted, inexpedient to alter, April 18, 1814; Selectmen to straighten part leading from the school-house to Cambridge road, May 2, 1825.
- Mill alley**, B., 1733; from Leverett st. to the Causeway; shown in 1722; named in 1733; called Mill st. in 1788; later included in Causeway st.
- Mill creek**, B.; from the Harbor to the Mill-pond, nearly upon the line of the present Blackstone st.
- Mill-dam**, B. and Rox.; from Charles st. to Sewall's point in Brookline; projected in 1813; Boston and Roxbury Mill Corporation incorporated and authorized to build same in 1814; begun in 1818; completed and opened to travel, July 2, 1821, the road over same being called Western av.; shown from Charles st. to Side Mill road on plan dated 1832; land covered by the Mill-dam released by the Boston and Roxbury Mill Corporation to the Commonwealth by indenture of June 9, 1854, "to be forever kept open as a public highway;" parts laid out as Western av. at different times and later (1865) all included in Beacon st.
- Mill dam road**, Bri.; formerly road from Brookline to Watertown line; named Avenue st., June 15, 1840; named Beacon st., Nov. 10, 1846; N. Beacon st., March 5, 1860; name of part of N. Beacon st. from the former boundary line of towns of Brighton and Brookline to Cambridge st. at Union sq. changed to Brighton av. March 1, 1884; sometimes described as Brighton branch of the Mill-dam, Brighton road, and road to the Mill-dam.
- Mill field**, B.; on what is now Copp's Hill.
- Mill lane**, B., 1805; from Middle (now Hanover) st. by Mill creek to the mills; also called Mill-pond st., 1807-12; called Pond st. in 1812 or 1814; Endicott st., 1836.
- Mill-pond**, B.; extended from near Prince st. on the east, and Salem st. on the south-east to south-west of Merrimac st., to the present S. Margin st.
- Mill street**, B., 1788; from Leverett st. by Mr. Pierce's distill-house to the Causeway; called Mill alley, 1733; included in Causeway st., 1807.
- Mill street**, E.B.; from Sumner st. to north wharf of National Dock and Warehouse Company.
- \***Mill street**, Dor., 1800; from Commercial (now Freeport) st. to Adams st.; laid out from Tileston's mill to Preston's gate, March 3, 1800; named from Commercial st. by Tide mill to Lower road (now Adams st.), March 11, 1840.
- \***Mill street**, Chsn.; from Essex st. to Rutherford av.; laid out as a public highway, Dec. 27, 1864.
- Mill-pond street**, B., 1807; from the mills near Middle st. across the Mill-pond to the mills near Prince st.; called Mill lane from 1805; called Pond st., 1812 or 1814; Endicott st., 1836.
- Mill-street court**, Chsn.; from Mill st., south; shown as an unnamed passageway on plan dated 1867.
- Mill-street place**, Dor.; from Mill st., south-easterly, parallel with and near Neponset av.; same called Holmes pl. in directories 1880 and 1884; as Holmes pl., included in Houghton st., Nov. 27, 1891.
- Miller street**, Dor.; from Washington st. to Merrill st.; laid out as Glenarm st., July 3, 1882.



- \***Miller street**, Chsn.; from Main st. to Rutherford av.; shown but not named on plan dated 1844; accepted conditionally "as laid out" from Main st. to Lawrence st., May 4, 1846; laid out from Main st. to Richmond st. (now Rutherford av.), July 13, 1863.
- Miller street**, Chsn.; from Main st. to Lawrence st.; named, Sept. 2, 1844; named Johnson's av., March 9, 1846.
- Miller's lane**, B.; from Water st. to Milk st., previous to 1784; called Cooper's alley, 1708; Kilby st., 1769; Adams st., 1788; and Kilby st. again, 1825.
- \***Millet street**, Dor.; from Park st. to Talbot av.; laid out, Dec. 14, 1893.
- \***Mills street**, Rox.; from Rockland st. to Dale st.; laid out, March 29, 1879.
- \***Milmont street**, Rox., 1868; from Lambert av. to Highland st.; name of Porter st. changed to Milmont st., April 21, 1868.
- Milner place**, B., 1844; from Washington st., east, between Bennet st. and Harvard st.
- \***Milton avenue**, Dor.; from Lauriat av. to Fairmount av.; laid out from Norfolk st. to Fuller st., Sept. 6, 1879; extended from Fuller st. to Fairmount av., July 5, 1881; laid out from Norfolk st. to Lauriat av., March 17, 1884.
- Milton place**, B., 1825; from Federal st., west, near High st.
- Milton road**, Dor., 1847; Blue Hill av. so called on plan.
- \***Milton street**, B., 1821; from Spring st. to Brighton st.; opened conditionally, April 25, 1821; confirmed as a public street, Sept. 15, 1834.
- Milton street**, E.B., 1838; from Harmony st. to Trumbull st.; part from Moore st. to Byron st. laid out with name of Horace st., July 2, 1891.
- \***Milton street**, Dor., 1850; from Adams st. to Granite st.; laid out as a town way, April 2, 1866.
- Minchen's court**, Dor.; from Geneva av., south-west, near N.Y. & N.E. R.R.
- \***Minden street**, Rox.; from Bickford st. to Day st.; laid out from Heath pl. to Bickford st. (including a part of Heath pl.), Nov. 10, 1879; part of Heath pl. now from Heath pl. to Ulmer st. named Minden st., March 1, 1882; extended to Walden st., Aug. 19, 1881; from Walden st. to Day st., Nov. 9, 1885.
- \***Mindoro street**, Rox.; from Prentiss st. to Station st.; shown but not named on plan dated 1856; laid out, Dec. 30, 1869.
- †**Miner street**, B.; from Beacon st., opposite Arundel st., to Brookline av., on both sides of Brookline Branch R.R.; laid out from Beacon st. to Brookline Branch R.R., May 15, 1893.
- Minnie court**, So. B.; from I st., east, between E. Fourth st. and E. Fifth st.
- Minot place**, Dor.; from Minot st., south, near Narragansett st.
- \***Minot street**, B., 1825; from Leverett st. to Nashua st.; called Cart lane, 1733; named Minot st. from Leverett st., east, 1825; confirmed as a public street, Sept. 15, 1834; to Andover st., 1844; Andover st. closed in the same year.
- †**Minot street**, Dor., 1805; from Neponset av. crossing Adams st. to Carruth st.; located from John Minot's barn to the road leading over Neponset bridge (now Neponset av.), May 13, 1805; from Neponset Village to Lower road (now Adams st.) named, March 11, 1840; part from Adams st. to Carruth st. called New Minot st. in Directory, 1884.

- Minot's court**, B. : from Union st., west, towards Hanover st., 1708 ; called Scott court, 1796, but given as Minot's court in Edes' list, 1800 ; included in extension of Friend st., 1855.
- Minton street**, Dor. ; from Savin Hill av., south-west, near Dorchester av.
- \***Mishawum street**, Chsn., 1894 ; Ham's court laid out from Main st. to Rutherford av., with the name of Mishawum st., July 26, 1894.
- Mistick road**, Chsn. ; from Mistick River on the north, curving slightly south-east, nearly to Monotomy road ; surveyed in Oct., 1732.
- \***Mitchell street**, So. B., 1885 ; Dana st. (formerly Watti court), laid out from W. Ninth st., near Dorchester st., with the name of Mitchell st., Aug. 12, 1885.
- Model place**, B., 1857 ; from Pleasant st., east, opposite Piedmont st.
- Model place**, E.B. ; from Havre st., south-east, near Porter st. ; same called Maple pl. on chart 1884.
- \***Monadnock street**, Dor. ; from Dudley st. to Bird st. ; laid out, Sept. 12, 1881.
- \***Monks street**, So. B. ; from E. Seventh st. to E. Sixth st. ; laid out, July 31, 1886.
- \***Monmouth square**, E.B. ; at junction of Monmouth, Brooks and White sts.
- \***Monmouth street**, E.B., 1834 ; from Meridian st. to White st., near Brooks st. ; accepted and laid out, July 19, 1852 ; altered at junction of Monmouth and White sts., Sept. 29, 1856 ; accepted at junction of Monmouth and White sts., Nov. 1, 1858.
- Monotomy road**, Chsn. ; committee appointed to ascertain width of, Oct. 5, 1829 ; surveyed in 1732. See l. 33, f. 497, Middlesex S. Dist. Reg.
- Monroe street**, Rox. ; from Warren st. to Walnut av. ; Munroe st. sometimes so called.
- \***Monson street**, Dor., 1890 ; Temple pl., leading from Temple st., laid out with the name of Monson st., March 21, 1890.
- Montague street**, Dor., 1893 ; from Roslin st. to Ashmont st. ; authority to open given by Street Commissioners, July 19, 1893.
- \***Montana street**, Rox. ; from Georgia st. to Cheney st. ; laid out, April 24, 1889.
- Montclair avenue**, W. Rox. ; from Centre st., near South st., to Merlin st.
- \***Montello street**, Dor., 1894 ; Grace av. laid out from Robinson st. to Arcadia st., with name of Montello st., Nov. 16, 1894.
- Montgomery park**, B. ; from Montgomery st., between Montgomery st., Tremont st., Dartmouth st. and W. Canton st.
- Montgomery place**, B., 1825 ; from Tremont st., east, to Governor's alley (now Province st.) ; laid out from Tremont st. to Chapman pl. extended, and named Bosworth st., May 14, 1883 ; remainder of street to Province st. not included in order for laying out.
- Montgomery square**, B. ; junction of Tremont, Clarendon and Montgomery sts. ; named in list of 1879, without date.
- \***Montgomery street**, B. ; from Tremont st. to W. Canton st. ; from Tremont st., opposite Waltham st., to the extension of Dedham (now Dartmouth) st., 1860 ; called Avenue K on plan of Back Bay lands, 1860 ; laid out as a public street from Tremont st. to Clarendon st., Oct. 16, 1867 ; laid out from Clarendon st. to W. Canton st., Nov. 17, 1868.
- Montgomery street**, B., 1833 ; from School st. to Bromfield st. ; called Governor's alley, 1732 ; named Montgomery st., 1833 ; named Province st., 1834.

- Montgomery street**, W. Rox.; from Spring st., near Baker st., to Linden st.
- Montrose avenue**, Rox.; from Warren st., east; included in Montrose st., Nov. 23, 1883.
- \***Montrose street**, Rox.; from Warren st. to Moreland st.; laid out in part over private way called Montrose av., Nov. 23, 1883.
- \***Montview street**, W. Rox., 1893; Carl st. laid out from Corey st. to Mt. Vernon st., with name of Montview st., Nov. 17, 1893; part of at one time known as Walnut av.
- \***Monument avenue**, Chsn.; from Main st. to Monument sq.; shown as an unnamed street on plan dated 1834; laid out from Warren st. to High st., Aug. 23, 1852; named, Oct. 11, 1852; extended and laid out from Warren st. to Main st., Nov. 19, 1866.
- Monument court**, So. B.; from H st., between E. Sixth st. and E. Seventh st.
- \***Monument court**, Chsn.; from Winthrop st., south-west, opposite Wallace court; laid out and accepted, Sept. 30, 1867.
- Monument lane**, Chsn.; from Bunker Hill st., south-west, between Concord st. and Monument st., to Concord av., 1885.
- Monument lane**, Chsn.; from Monument st. to Lexington st., now a part of Concord av.
- Monument place**, Chsn.; from Monument st., east, near Bunker Hill st.
- Monument square**, W. Rox.; junction of Centre and South sts., at Jamaica Plain.
- \***Monument square**, Chsn., 1860; around Bunker Hill monument grounds; shown but not named on plan dated 1839; streets around Monument sq. accepted, Dec. 11, 1843; names of Lexington st., from Wallace court to Tremont st., Tremont st. to Concord st., Concord st. to High st., High st. to Monument court, changed to Monument sq., Feb. 2, 1860.
- Monument street**, W. Rox.; from Centre st., north-westerly, then north-easterly, to Eliot st.; laid out as Holbrook st., May 21, 1877.
- \***Monument street**, Chsn.; from Monument sq. to Medford st.; laid out from Monument sq. to Bunker Hill st., Dec. 21, 1844; same accepted, Dec. 23, 1844; extended to Medford st., Nov. 10, 1868.
- Moon court**, B., 1796; in Moon st.
- \***Moon street**, B., 1708; from North sq. to Fleet st.; from the North Meeting-house, north, by the east side of Clarke (now North) sq., to Sun-Court st., 1708; to Fleet st., including part of Sun-Court st., 1784; from the east side of North sq. to Fleet st., 1800.
- Moon-street court**, B., 1833; from Moon st., south-easterly; included in extension of Lewis st., from North st. to Moon st., March 25, 1893.
- Moorcock's buildings**, B., 1708; in Corn court.
- Moore place**, B., 1840; from Church st., east, next south of Madison pl.; named Church pl., 1844.
- †**Moore street**, E.B., 1838; from Pope st. to Cowper st., with proposed extension to proposed extension of Coleridge st.; accepted from Pope st. to Saratoga st., Dec. 10, 1861; extended from Saratoga st. to Cowper st., July 25, 1881.
- Moore street**, Bri.; from Washington st. to Newton line; same in 1875; by a change in boundary line now brought within the limits of Newton.
- Mora street**, Dor., 1894; from Washington st. to Milton av.; authority to open given by Street Commissioners, June 22, 1894.
- Moreland place**, W. Rox.; from Pond st., northerly, to ice-house, Jamaica Pond; included in Jamaica Park.

- †**Moreland street**, Rox. and Dor., 1854; from Warren st. to and across Blue Hill av. and Dennis st.; part from Cleveland st. across end of Fairland st. shown and so named on plan dated 1854; part from Grove Hall (now Blue Hill) av., north-west, shown as part of Perrin st. on plan dated 1856; laid out as a new street from Grove Hall av. to Warren st., in part over Warren pl., Dec., 1860; laid out from Blue Hill av. to Dennis st., Aug. 28, 1891.
- Moreland street**, W. Rox.; from Spring st. to Belle av.
- Moreland terrace**, Rox.; from Blue Hill av., south-east; included in the extension of Moreland st. to Dennis st., Aug. 28, 1891.
- Morey's corner**, B., 1708; cor. of Summer st. and Cow lane (now High st.) then so called.
- Morgan street**, B., 1865; from Columbus av., north-westerly, to Stanhope st.
- \***Morley street**, Rox.; from Highland st.; Walden park laid out from Highland av. (now Highland st.), with name of Morley st., Sept. 23, 1887.
- Morlock place**, Rox.; from Longwood av., southerly, near Phillips st.
- Morni court**, So. B., 1849; from W. Ninth st., near Dorchester st., south-westerly, to O.C. (now N.Y., N.H. & H.) R.R.; laid out as Gustin st., Oct. 13, 1891.
- Morrill street**, Dor., 1892; from Pleasant st. to Bakersfield (formerly F) st.; also called B st.; authority to open given by Street Commissioners, May 4, 1892.
- Morrill's or Morrell's corner**, B., 1708; cor. of Middle (now Hanover) st. and Prince st. then so called.
- \***Morris street**, E.B.; from Marion st. to Putnam st.; laid out from Marion st. to Putnam st., between Chelsea st. and Paris st., July 10, 1883.
- \***Morrison street**, W. Rox., 1881; from Gardner st., south-westerly, towards Charles River; private way called Grove st. laid out as Morrison st., Nov. 11, 1881.
- Morse street**, Dor.; from Washington st. to Bowdoin av.; authority to open given by Street Commissioners, Dec. 7, 1891.
- Morton court**, B., 1842; from the foot of Morton pl.; from Arch st. to Hawley st., 1879; included in Hawley pl.
- Morton place**, B., 1824; from Milk st., south, 1824; included in extension of Arch st., April 18, 1873.
- Morton place**, Rox.; from Tremont st., south, between Parker st. and Terrace st.
- \***Morton street**, B., 1838; from Salem st. to Endicott st.; called Ritchie st., 1840-1844; since again called Morton st.; accepted conditionally, Nov. 18, 1844; accepted finally, Oct. 25, 1847.
- \***Morton street**, W. Rox. and Dor.; from South st. to River st.; from Forest Hills st. to South st. previous to 1832; laid out conditionally from Forest Hills av. to Canterbury st., Oct. 7, 1850; street connecting Scarboro' st. with Canterbury st. called Morton st., June 14, 1851; laid out by abutters over the "great fresh meadow" from Back st. nearly to Canterbury st. in 1853; street formerly known as Forest Hills st. and Scarboro' st. called Morton st., Dec. 5, 1859; names of Madison st. and Forest Hills av., from Back st. to River st., changed to Morton st., Mar. 1, 1888.
- Morton street**, Chsn.; south-east end laid out 50 feet wide from Salem turnpike (now Chelsea st.) to Bunker Hill st., Dec. 15, 1834; this part of Morton st., named Bunker Hill st., being a continuation of same, to avoid confusion, there being in that vicinity a street named Moulton st., Dec. 15, 1834.

- Morton street**, Chsn.; Moulton st., from Bunker Hill st. to Vine st., sometimes so called, and so shown on plan dated 1828.
- Moseley avenue**, Dor.; from Crescent av. to Mt. Vernon st.; shown as an unnamed street on plan dated 1860; north-easterly end included in Dorchesterway.
- Moss place**, B., 1868; from Cambridge st., northerly, opposite Bowdoin st.
- †**Moss Hill road**, W. Rox.; from junction of Pond and May sts., south, west, and north, to Pond st. again, at latter's junction with Woodland road; authority to open part from junction Pond and May sts. to easterly end of Woodland road given by Street Commissioners, June 20, 1892; same part laid out as a public street, Oct. 12, 1894.
- \***Motte street**, B., 1874; from Washington st., opposite Castle st., to Harrison av.; from Orange (now Washington) st., east, to the water; called E. Castle st., 1732; to Front st. (now Harrison av.), 1805; name changed to Motte st., June 23, 1874; became public by use.
- Moulton court**, Chsn.; from Moulton st., near Bainbridge st., westerly, then northerly and southerly, parallel with Moulton st.
- \***Moulton street**, Chsn.; from Bunker Hill st. to Mystic River; accepted and named from the river to head of Ropewalk, June 9, 1826; this street has been called by three different names, and estates purporting to bound on the same have been conveyed as bounding on Brooks, Morton, and Moulton sts., that section of the town formerly called Moulton's point being owned by a person of that name; part from Bunker Hill st. to Vine st. shown as Morton st. on plan dated 1828; part shown on Moulton point as Brooks st. on plan dated 1846; from Bainbridge st., north-easterly, being formerly Brooks st., by plan dated 1868; laid out and altered, Jan. 2, 1849.
- Moultrie avenue**, Dor.; from Seaborn st. to Church pl.; authority to open, with name of Moultrie st., given by Street Commissioners, Dec. 1, 1891.
- Moultrie street**, Dor.; north of and parallel with Centre st., near Washington st., crossing Seaborn st. east, and west; authority to open given by Street Commissioners, Dec. 1, 1891.
- Mountain avenue**, Dor.; from Ballou av. to Lauriat av.
- Mountain street**, W. Rox., 1849; from Dedham turnpike (now Washington st.) to Walk Hill st.; see Charles Whitney's map of Roxbury, 1843-49; probably part from Walk Hill st. changed to Walk Hill av. and later to Wachusett st.; the part from Washington st. probably now called Weld Hill st.
- \***Mountfort street**, Rox.; from Beacon st. to Brookline line; laid out from Beacon st. to Ivy st., March 11, 1891; from Ivy st. to Audubon road, June 12, 1894.
- Mountfort's corner**, B., 1708; cor. of Dock sq. and Pierce's alley (now Change av.) then so called.
- Mountfort's corner**, B., 1732; cor. of Fish (now North) st. and Moon st. then so called.
- Mountjoy's corner**, B., 1708; cor. of Fish (now North) st. and Ann st. (now part of same street) then so called.
- Mt. Vernon**, B., 1796; north of Beacon st. and west of Belknap (now Joy) st.; the buildings on the north side of Olive (now Mt. Vernon) st., 1805-1817.
- Mt. Bowdoin avenue**, Dor.; from Bowdoin st. to Columbia st. (Directory, 1880); now called Bowdoin av.
- Mt. Bowdoin green**, Dor.; on Bowdoin av.
- Mt. Bowdoin terrace**, Dor.; from Eldon st., easterly, near Rosseter st.
- \***Mt. Everett street**, Dor.; from Hamilton av. (now Barrington st.) to Quincy st.; laid out, Dec. 8, 1876.

- Mt. Hope avenue, Dor.;** from Blue Hill av., north-west, near Mattapan station N.Y. & N.E. R.R.
- Mt. Hope avenue, W. Rox.;** from Hyde Park av. to Canterbury st.; Mt. Hope st. often so called.
- Mt. Hope street, Dor.;** from Blue Hill av. to Hyde Park line; name of Back st. changed to Mt. Hope st., Sept. 18, 1861; afterwards Back st. again.
- \*Mt. Hope street, W. Rox.;** from Hyde Park av. to Mt. Hope cemetery; old way, part of which was called Bradstreet av. and part Mt. Hope av. or st., laid out as Mt. Hope st., June 13, 1871; extended from Canterbury st. to Mt. Hope cemetery, July 22, 1892.
- Mt. Ida street, Dor.;** from Bowdoin st., near Adams st.; not on chart, 1884; on chart, 1874, "Mt. Ida" given on land of Nahum Capen, but no street; same on chart, 1894, but street given in directory of that year.
- \*Mt. Pleasant avenue, Rox.** from Dudley st. (part formerly Eustis st.), opposite Dearborn st., south-westerly, then south-easterly, then north-easterly, to Dudley st., opposite Magazine st.; called Elm av. on plan dated 1833, but generally Elm st.; name of Elm st. changed to Mt. Pleasant av., April 21, 1868.
- Mt. Pleasant place, Rox.;** from Dudley st., south-west, near Adams st.
- Mt. Prospect street, Rox.;** from Norfolk and Bristol turnpike (now Washington st.), south-east; shown on plan of laying out of said turnpike dated 1857, Vol. 3, No. 279, Norfolk County Commissioners.
- Mt. Seaver avenue, Rox.;** from Elm Hill av. to Blue Hill av.; from Elm Hill av. to Montana st. laid out as Cheney st., June 26, 1882; remainder to Blue Hill av. laid out as Cheney st., April 11, 1883.
- Mt. Vernon avenue, B.,** 1846; from Mt. Vernon st. to Pinckney st.; called Pinckney lane, 1835; named Mt. Vernon av., 1846.
- Mt. Vernon avenue, Rox.;** from end of Roxbury pl. south; being continued to Warren pl. by an irregular 20-foot passageway; later made a part of Kearsarge av.
- \*Mt. Vernon avenue, Chsn.;** from Mt. Vernon st. to Chestnut st.
- Mt. Vernon avenue, Bri.;** from Mt. Vernon st., south, then east to Rockland st.
- Mt. Vernon place, B.;** from Joy st. to Hancock av.; called Hancock pl., 1823; named Mt. Vernon pl., Jan. 28, 1828.
- \*Mt. Vernon place, Rox.;** from Warren pl. (now Winthrop st.), north, then north-west, then north again to Warren st.; accepted and named Mt. Warren pl., Oct. 30, 1865; name of Mt. Warren pl. changed to Kearsarge av., April 21, 1868.
- Mt. Vernon place, Chsn.;** from Chelsea st., south, near the Navy Yard.
- \*Mt. Vernon street, B.,** 1832; from Beacon st., north, then west to Charles River; from Beacon st. to the head of former Temple st. called Centry or Sentry st., 1708-95; from the present Hancock st. to the present Joy st. called George st., 1732-1800; from Beacon st. to Joy st. called Sumner st., 1795-1833; from Joy st. to Charles st. called Olive st., 1796-1825; from Charles st. to Temple st. called Sumner st., July 6, 1824; Sumner st. from Beacon st. to Charles st. named Mt. Vernon st., Aug. 27, 1832; confirmed as a public street, Sept. 15, 1834; extended west, across Charles st. to River st., 1856; portion west of Charles st. accepted, Aug. 19, 1856; extended from River st. to Harbor Commissioners' line, April 6, 1866.
- †Mt. Vernon street, Dor.,** 1860; from Boston st. to Pumping Station, near Dorchester Bay; laid out from Boston st. to Dorchester av., Nov. 27, 1875; laid out from Dorchester av. to O.C. (now N.Y., N.H. & H.) R.R., July 13, 1878.

- \***Mt. Vernon street**, W. Rox., 1849; from Centre st. to Baker st.; accepted, Sept. 27, 1871; extended from La Grange st. to Baker st., Sept. 8, 1873.
- Mt. Vernon street**, W. Rox.; from Ashland st., opposite Albion st., to Roslin av.; part from Poplar st. to Roslin av. shown as an unnamed street on several plans, the earliest being dated 1852; same given as part of Sycamore st., 1884.
- \***Mt. Vernon street**, Chsn.; from Adams st., about northerly, nearly to Tremont st.; see plan dated 1846; laid out and accepted, Jan. 2, 1849.
- \***Mt. Vernon street**, Bri.; from Rockland st. to Foster st.; part of laid out in continuation of Mt. Vernon st. to road leading from Rockland st. to Academy Hill, March 29, 1851; same accepted, Sept. 5, 1853; street named, Sept. 5, 1853; laid out, Dec. 16, 1873; extension to Foster st. laid out, April 22, 1891.
- Mt. Warren avenue**, Rox.; from Warren st.; formerly called Mt. Warren pl.; called Mt. Warren av., Oct. 30, 1865; extended to Moreland st. and called Copeland st., June 15, 1869.
- Mt. Warren place**, Rox.; from Walnut av., northerly, near Warren st.; same called Mt. Warren st. in directories.
- Mt. Warren place**, Rox.; from Warren st.; called Mt. Warren av., Oct. 30, 1865; extended to Moreland st. and called Copeland st., June 15, 1869.
- \***Mt. Warren place**, Rox.; from Warren pl. (now Winthrop st.), north, then north-west, then north again to Warren st.; Mt. Vernon pl. accepted and named Mt. Warren pl., Oct. 30, 1865; name of Mt. Warren pl. changed to Kearsarge av., April 21, 1868.
- \***Mt. Washington avenue**, B. and So. B.; from Federal st. across Fort Point Channel to Granite st.; accepted conditionally from Sea (now Federal) st. across Fort Point Channel to Boston wharf, March 26, 1855; laid out from south-east side of Granite st. to harbor line on east side Fort Point Channel, Nov. 17, 1868.
- \***Mt. Washington bridge**, B.; across Fort Point Channel; accepted conditionally with Mt. Washington av., March 26, 1855.
- Mt. Washington place**, So. B.; from E. Eighth st., southerly, near G st.
- Moylen street**, Rox.; from Elm Hill av. to Landseer av., parallel with and 210 feet north-east from Crawford st.; shown on plan dated June 1, 1881; abandoned.
- Mozart avenue**, W. Rox., 1873; from Walter st., north-west, to Selwyn st.; called Mozart st. on city plan, 1891.
- \***Mozart street**, Rox., 1887; from Centre st. to Lamartine st.; laid out from Centre st., including Houghton pl., to Chestnut av., May 19, 1887; from Chestnut av. to Lamartine st., including Raymond st., Aug. 31, 1888.
- Mulberry place**, B., 1834; from Portland st., north-east, near Sudbury st.
- Mulberry place**, Rox., 1861; from Dudley st. (part formerly Eustis st.), south-west, near Vine st.
- Mulgrave street**, Rox.; from Elm Hill av. to Landseer av.; shown on plan dated June 1, 1881; abandoned.
- Mullaney street**, Dor.; from Clarkson st. to Barry st.
- Mulvey avenue**, Rox.; from Heath st., south, near Bickford st.
- Munroe place**, B., 1857; in rear of 38 Tyler st., near Kneeland st.; called Blanche court, 1844; named Munroe pl., 1857.
- Munroe place**, Rox.; from Vernon st., south-west, between Washington st. and Shawmut av.

- Munroe street**, So. B.; named changed to Richards st., April 21, 1868 (Richards st., from Granite st. to A st.).
- \***Munroe street**, Rox., 1852; from Warren st. to Walnut av., opposite Elmore st.; Munroe farm laid out into lots, and streets laid out in 1852; written also Monroe.
- Munroe terrace**, Dor.; from Neponset av. to Train st.
- Munson street**, Rox.; from Beacon st. to Brookline Branch railroad.
- Murdock place**, Bri.; from Murdock st.
- \***Murdock street**, Bri.; from Cambridge st. to N. Beacon st.; shown on plan dated 1868, from Cambridge st. to Sparhawk st., but not named; laid out from Cambridge st. to N. Beacon st., Nov. 3, 1888.
- Murphy court**, B., 1834; from North st. to Commercial st., near their junction.
- Murray avenue**, Rox.; from Blue Hill av., opposite Dennis st., west; named, Oct. 1, 1878.
- Murray court**, E B.; from Orleans st., between Webster st. and Sumner st., south-easterly; spoken of as a private way in 1864.
- Murray place**, B., 1830; from Prince st., north-easterly, near Salem st.
- Music-hall place**, B., 1874; from Winter st., north-east; called Central pl., 1842; name changed to Music-hall pl., Feb. 25, 1874.
- The Mylne street**, B.; an early name for Summer st. previous to 1708.
- Myrtle court**, B., 1822; from W. Centre (now Anderson) st., opposite the west end of Myrtle st.; extended to Grove pl. and named Myrtle st., Sept. 15, 1851; accepted, laid out and named Myrtle st., Oct. 13, 1851.
- Myrtle place**, Rox.; from Glenwood st., west.
- Myrtle place**, Dor.; from Magnolia st., north-westerly.
- Myrtle place**, W. Rox.; from Stony Brook av. (now Florence st.), south-easterly; see Charles Whitney's map of Roxbury, 1843-49; no street now given.
- \***Myrtle street**, B., 1806; from Hancock st., west, then north, to Revere st.; called Warren st. (from Hancock st., southerly, by Mr. Austin's ropewalk, and by the powder-house down to Cambridge bay), 1788; May st., leading to the powder-house, 1795; Myrtle st., from Hancock st. to Butolph (now Irving) st., 1806; from Hancock st. to W. Centre (now Anderson) st., 1814; on Hale's plan, 1814, the westerly end of the present Myrtle st. was called Hill st.; from Hancock st. to Charles st., 1817; confirmed as a public street, Sept. 15, 1834; extended through Myrtle court to Zone st., at Grove st. and pl., Sept. 15, 1851; Myrtle court accepted, laid out and called Myrtle st., Oct. 13, 1851; Zone st. (from Grove st. to rear of W. Cedar st.) named Myrtle st., Oct. 20, 1851; new street laid out from May (now Revere) st. to Myrtle st., Dec. 19, 1853, and named Myrtle st., Dec. 29, 1853.
- Myrtle street**, Rox.; from Warren st. to Cliff st.; name changed to Glenwood st., April 21, 1868 (formerly Adams st.).
- Myrtle street**, Dor., 1840; from Five Corners (now Town Meeting sq.) to Pleasant st.; street from Five Corners by Mr. Cassel's and Mr. Kettle's named Myrtle st., March 11, 1840; name changed to Cottage st., March 1, 1847.
- \***Myrtle street**, Dor.; from Dudley st. to Lawrence av.; shown as Harris st. on plan dated 1846; and on plan dated 1846, 1847, 1859, and 1860, as "Myrtle st., formerly Harrison st."; Harrison st., on plan dated 1847; Myrtle st., formerly Harrison st., on plan dated 1869; from Dudley st. to Quincy st., located and accepted, March 2, 1853; laid out from Quincy st. to Lawrence av., Sept. 16, 1876; name changed to Magnolia st., March 1, 1882.



- \***Myrtle street**, W. Rox.; from Centre st. (part formerly Austin st.), opposite Green st., to Pond st.; laid out, Sept. 2, 1876.
- \***Mystic avenue**, Chsn.; from Main st. to Somerville line; name of Medford turnpike changed to Mystic av., April 12, 1869.
- Mystic place**, Chsn.; from Cook st., north-west, near Hill st.
- Mystic place**, Chsn.; from Walnut st., north-west, near Medford st.
- Mystic road**, Chsn.; see Mistick road.
- \***Mystic street**, B., 1845; from Malden st. to E. Brookline st.; called Berlin st. (from E. Canton st. to Hamburg st.), 1843; Mystic st., from E. Dedham st. to Brookline st., 1845; from Malden st. to Brookline st., 1846; passageway between Washington st. and Harrison av. laid out by City prior to 1834, and named Mystic st. in 1850; accepted, July 23, 1862.
- \***Mystic street**, Chsn.; from Bunker Hill st. to Medford st.; not named on plan dated 1848.
- \***N street**, So. B.; from E. Second st. to Strandway, formerly to Old Harbor south of E. Ninth st., with proposed extension northerly to E. First st.; laid out and named "from salt water on the south to the Harbor of Boston on the north," Feb. 27, 1805; laid out from low-water mark north of E. First st. to harbor line in Dorchester Bay, Nov. 17, 1868; House of Correction covers land north of E. First st. to water.
- Nanney's buildings**, B., 1708; in Elbow alley.
- Nantasket avenue**, Bri.; from Union st., near Madison av., north-east.
- Napier place**, B.; from Barton st., east; called Second-st. court or pl., 1835; Napier-st. pl., 1855; Napier pl., 1868; called Barton-st. pl. on atlas, and Napier pl. in directories; greater part included in the extension of Chambers st., June 7, 1893.
- \***Napier street**, B., 1855; from Leverett st. to Copper (now Brighton) st.; name of Second st. changed to Napier st., April 25, 1855; from Leverett st. through Short Second st. (from Second st. to Brighton st.), to Brighton st., 1855; extended to Milton st., Oct. 5, 1863; name changed to Barton st., April 21, 1868.
- Napier-street place**, B., 1855; from Napier st., east; called Second-st. court or pl., 1835; Napier-st. pl., 1855; Napier pl., 1868; called Barton-st. pl. on atlas, and Napier pl. in directories; greater part included in the extension of Chambers st., June 7, 1893.
- \***Narragansett street**, Dor.; from Chickatawbut st. to Minot st.; located, May 2, 1853.
- Naseby street**, Rox.; from Crawford st. to Hutchings st.; laid out with name of Harold st. from Crawford st. to Homestead st., March 10, 1886; Harold st. extended to Hutchings st., April 20, 1888.
- Nash court**, So. B.; from W. First st. to Dove st., near Dorchester st.
- Nash row**, Chsn.; from 184 Main st., between Chapman st. and Austin st.
- Nashua court**, B., 1844; from Nashua st., north, near Minot st.; closed in 1871.
- Nashua place**, B., 1844; from Nashua st., north, near Causeway st.; closed in 1871.
- \***Nashua street**, B., 1837; from Causeway st., north-westerly, to Minot st.; accepted, May 12, 1851.
- Nason place**, Rox.; from 33 Conant st., northerly, between Phillips st. and Parker st.
- Nason place**, Chsn.; from 7 Everett st., south-east, near Bunker Hill st.

- Nason's court**, B., 1833; from Pleasant st., west, at or near Hamlen pl. or Berlin (now Tennyson) st.
- Nassau court**, B., 1825; from Tremont st., west, nearly opposite Hollis st., 1825; named Seaver pl., 1844.
- Nassau place**, B., 1859; from Nassau st., near Harrison av., northerly, to Corey av.
- \***Nassau street**, B.; from Harrison av. to Ash st.; shown by plan as early as 1816, but not named; on Hale's plan, 1820, called Ash st.; accepted conditionally, May 1, 1843; laid out, March 1, 1875.
- Nassau street**, B.; Clough st. (from Orange [now Washington] st. to Dr. Byle's house), and Holyoke st. (from Dr. Byle's house to Frog lane, now Boylston st.) called Nassau st., 1788; same called Common st., 1824; part from Orange st. to Dr. Byle's house now called Common st., and part from Dr. Byle's house to Frog lane called Tremont st.
- \***National street**, So. B.; from E. Fourth st. to Thomas park; laid out, Nov. 17, 1868.
- Navy street**, Chsn.; from Pear Tree st., south-east; these streets do not now exist, but are shown on plan near the present location of Bunker Hill st. and Ferrin st.
- Nawn court**, Rox.; from King st., near Elmwood st., north-easterly.
- Nawn place**, Rox.; from Harrison av., north, near Nawn st.
- Nawn street**, Rox.; from Washington st. to Harrison av., near Webber st.
- Neal** }  
**Neal's** } **court**, Chsn.; from Short st., south-easterly.
- Nebraska street**, W. Rox.; from Green st. to Boylston st.; on plan dated 1852, shown as Chestnut st. and by that name accepted by Town, July 25, 1868; later a part of Chestnut av.
- Neck alley**, B.; mentioned in deeds, Sept. 6, 1755; no description or record.
- \***Nelson street**, Dor.; from Norfolk st. to Selden st.; laid out, June 18, 1885.
- Nelson street**, W. Rox.; from Boylston st. to Spring Park av.
- \***Neponset avenue**, Dor.; from Adams st. to Neponset River; called Quincy turnpike on plan dated 1844, and Neponset turnpike on plan dated 1856; laid out as a public highway or control assumed by County, December, 1858.
- \***Neponset avenue**, W. Rox.; from Hyde Park av. to Canterbury st.; laid out by Selectmen, Sept. 27, 1871.
- Neponset court**, W. Rox.; from Neponset av., near Jewett st.
- Neponset street**, Dor.; from Freeport st. to South st. (Commercial Point); shown on plan dated 1810, from South st., north-west, crossing Plymouth, Washington, Union, Commercial, Barque Warwick and Mill sts.; same in 1835 and 1848.
- \***Neponset street**, Dor.; from River st. to Sanford st.; accepted, March 3, 1845; shown on plan of new road from Lower Mills to Jamaica Plain in 1852; later made part of Forest Hill av., and latter name changed to Morton st., March 1, 1888.
- Neponset turnpike**, Dor.; Neponset av. so called on plan dated 1856.
- Neptune avenue**, } E.B.; from Bennington st. to Wood Island Park; now  
**Neptune street**, } included in the Parkway.
- New lane**, Rox.; part of Warren st., from Washington st. to Dudley st., so called when laid out.
- New road**, W. Rox.; part of Centre st., from South st. to Walter st., so called on plan in 1815; also part from Green st. to Dedham turnpike on plan in 1854.

- \***New street**, E.B.; from Sumner st. to Maverick st.; accepted, Nov. 22, 1852.
- New street**, Rox. and W. Rox.; several streets so called on plans when first laid out.
- New street**, Dor.; from Adams st. to Commercial (now Freeport) st.; Leeds st. so called on plans dated 1861, 1864 and 1866.
- New street**, W. Rox.; part of Boylston av. so called on plans dated 1858 and 1868.
- New street**, Chsn.; a street parallel with School-House court, leading from Charles st.; so called on plan dated 1850.
- \***Newark street**, Rox., 1892; from Cedar st., south; Eaton court laid out with name of Newark st., July 22, 1892.
- \***New Atherton street**, Rox.; from Amory st. to Copley st.; laid out, Aug. 27, 1886; name changed to Atherton st., March 1, 1889.
- New Way**, Bri.; laid out from junction of Howard pl. and Union st. to junction of Beacon st. and Rockland st. (now Chestnut Hill av.), July 8, 1872 (no street shown on chart or map from junction Howard pl., and Union st. to either Beacon st. or Rockland st.).
- New Atlantic street**, So. B.; from 374 E. Eighth st.; that part of Atlantic st. south of Thomas park sometimes so called.
- Newbern court**, Rox.; from 156 Sterling st., westerly.
- Newbern**, } place, B., 1834; from Carver st., between Eliot st. and Pleas-  
**Newburn**, } ant st., westerly, and then northerly and southerly.
- \***Newbern street**, Rox., 1868; from Sterling st. to Weston st.; formerly from Tremont st., south-east, then south-west, to Weston st.; accepted conditionally as Oxford st., March 11, 1844; named Newbern st., April 21, 1868; part near Tremont st. named Sterling st., March 1, 1884.
- Newbern avenue**, W. Rox.; from Roanoke av., southerly; now part of Newbern st.
- \***Newbern street**, W. Rox.; from Carolina av. to Elm. st.; shown but not named on plan dated 1850; named on plan dated 1867; laid out, Nov. 22, 1875.
- Newbern street**, W. Rox.; from junction Canterbury st. and Huntington av. to Hyde Park line; from Canterbury st. to Largo st. on plan dated 1848; same given Newbern av. in 1884 and then Newbern st.
- Newburg street**, W. Rox., 1891; from Beech st. to Brandon st.; authority to open given by Street Commissioners, Dec. 1, 1891.
- Newbury place**, B., 1805; from Newbury (now Washington) st., east, next north of Essex st.; built over by the Globe Theatre in 1866.
- \***Newbury street**, B.; from Arlington st. to Charlesgate-east, and from Charlesgate-west to Brookline av.; from Arlington st., west, on Back Bay land, 1860; deed of Newbury st. between Arlington and Clarendon sts. tendered by Public Lands Commissioners, Nov. 10, 1865; same accepted and laid out, May 6, 1867; same laid out, Dec. 9, 1869; laid out from Clarendon st. to Dartmouth st., May 31, 1871; laid out from Dartmouth st. to Exeter st., Dec. 6, 1875; laid out from Exeter st. to Hereford st., Dec. 27, 1878; laid out from Hereford st. to W. Chester park (now Massachusetts av.), May 5, 1880; laid out from W. Chester park to Ipswich st., now Charlesgate-east, Aug. 31, 1883; W. Newbury st., from Charlesgate-west to Brookline av., laid out with name of Newbury st. and construction ordered, March 30, 1894.
- Newbury street**, B., 1708; from Eliot's corner, Essex st., to Okes's corner, Summer st.; made part of Washington st., July 6, 1824.
- Newbury street**, W. Rox.; from Canterbury st., near Ashland st., to Hyde Park line; Newbern st. or av., so called.

- Newcomb place, B.;** from Eliot st., near Warrenton st., southerly.
- \***Newcomb street, B.;** from Washington st. to Harrison av.; from Washington st., east, named Prescott pl., May 14, 1849; from Washington st. to Reed st. named Newcomb st., April 1, 1874; laid out and extended to Harrison av., Sept. 8, 1874.
- New Cornhill, B.,** 1828; from Court st. to Washington st.; called Market st., 1817; name changed to New Cornhill, 1828; commonly called Cornhill.
- New County road, Dor.;** part of River st. so called on plan of new location dated 1865.
- New County road, W. Rox.;** Ashland st. so called on plan dated 1862.
- New Court, B.,** 1845; from Shawmut av., east, near Groton st.; name changed to Briggs pl., 1849.
- Newell street, Dor.;** (proposed) from Dorchester av. to Boston st.; laid out as Howell st., Dec. 28, 1892.
- Newfield street, W. Rox.,** 1894; from Weld st. to Lasell st.; authority to open given by Street Commissioners, April 20, 1894.
- New Fore street, Chsn.;** laid out, 40 feet wide, 1780; now Water st.
- New Gravelly Point road, Rox.;** from Huntington av., southerly, to Rogers av.
- \***Newhall avenue,** } Dor. ; from Adams st. to Neponset av.; shown but not  
**Newhall street,** } named on plans dated 1851 and 1859.
- \***Newhall street, Dor.;** from Pierce av. to Ashmont st.; laid out, March 1, 1869.
- \***New Heath street, Rox.;** from Heath st. at junction Parker st. and Heath st. to Centre st.; report of Committee on Streets recommending laying out passed, June 27, 1859; laid out from near junction Parker st. across B. & P. (now N.Y., N.H. & H.) R.R. at grade to Centre st., Oct. 31, 1859; construction ordered, Nov. 14, 1859.
- Newland place, B.,** 1860; from Newland st.; cannot be identified.
- \***Newland street, B.,** 1838; from Upton st. to W. Springfield st., between Shawmut av. and Tremont st.; laid out from W. Dedham st. to W. Canton st., Sept. 14, 1869; laid out from W. Canton st. to W. Brookline st., Nov. 9, 1870; laid out from W. Concord st. to Worcester st., June 30, 1873; laid out from W. Dedham st. to Upton st., Oct. 27, 1876; laid out from W. Newton st. to Rutland st., Aug. 25, 1879.
- Newman block, B.;** from Pleasant st., west, next north of Piedmont st.; called Newman pl., 1849.
- Newman court, So. B.;** from Champney st., south-westerly.
- Newman place, B.;** from Pleasant st., west, next north of Piedmont st., 1849; at some time previous to 1879 called Newman block.
- Newman place, Rox.;** from Dudley st., south-westerly, near and south of Vine st.
- \***Newman street, So. B.;** from Dorchester st. to Lowland (now Mercer) st.; laid out, Nov. 17, 1868.
- New Minot street, Dor.;** from Adams st. to Carruth st.; that part of Minot st. sometimes so called.
- New North alley, B.;** from Middle (now Hanover) st., 1781.
- \***Newport street, Dor.;** from Harbor View st. to Crescent av.; laid out, Dec. 4, 1893.
- New Prince street, B.;** previously to 1788, from Leverett st., east; called Tucker st., 1803; Leverett pl., 1812; Lyman pl., 1834; Lyman st., 1856; part of Lyman st., near Green st., included in Staniford st., May 11, 1886.

- \***New Seaver street**, Dor. and Rox. ; from Columbia st., opposite Seaver st., to Erie av. (now Erie st.) ; laid out, July 30, 1878 ; named Seaver st., March 1, 1889.
- Newton court**, B., 1848 ; from Tyler st., westerly, near and south of Oak st.
- Newton place**, B., 1825 ; from Beach st., south, to Plymouth pl. ; Newton pl. and Plymouth pl. laid out as Knapp st., from Beach st. to Harrison av., May 14, 1879.
- Newton road**, Bri. ; Washington st. formerly so called.
- \***Newton street**, B., 1826 ; from Albany st. to Columbus av. ; laid out on the Neck, July 24, 1826 ; named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834 ; to Albany st., 1834 ; accepted, Dec. 7, 1857 ; accepted, Oct. 30, 1860 ; portion west of Tremont st. having been extended to line of Boston Water Power Company accepted, Aug. 13, 1861 ; accepted to a point 637 feet west of Tremont st., June 13, 1865 ; named E. Newton st. from Washington st. to Albany and W. Newton st. from Washington st. to Columbus av., April 21, 1868.
- \***Newton street**, Bri. ; from Brooks st., westerly, then south-westerly crossing end of Bigelow st. ; see plan dated 1871 ; laid out, Dec. 18, 1873 ; accepted conditionally, Dec. 30, 1873 ; laid out from Brooks st. to a point about 200 feet east of Bigelow st., Nov. 10, 1876.
- New Walnut place**, B. ; from Reed st. to Walnut pl.
- Nichols court**, } Rox. ; from Phillips st. across the end of Smith-st.  
**Nicholson court**, } court ; called Nichols court in 1884 ; called Nicholson court on plans dated 1858, 1870, 1873, and 1888.
- Nickerson street**, Rox. ; from Heath st., south-westerly, near Craft st.
- Nightingale street**, Dor. ; from Talbot av. to Bernard st.
- \***Ninth street**, So. B., 1805 ; now E. and W. Ninth sts. ; laid out parallel with Broadway and named, Feb. 27, 1805 ; laid out from H st. to low-water mark, Nov. 17, 1868 ; name of Sullivan st. from D st. to Old Harbor st. changed to Ninth st., Nov. 17, 1868 ; called E. and W. Ninth sts., Feb. 18, 1873.
- Nixon avenue**, Dor. ; from Centre st. to Mather st. ; laid out as Nixon st., May 26, 1884.
- \***Nixon street**, Dor., 1884 ; from Centre st. to Mather st. ; Nixon av. laid out as Nixon st., May 26, 1884.
- Noble court**, E.B. ; from Sumner st. between Cottage st. and Seaver st., south-easterly.
- Noble's corner**, B., 1800 ; cor. of Dock sq. and Friend st. then so-called.
- Noddle's alley**, B. ; by Directory, 1796 ; from Newbury (now Washington) st.
- Noddle's Island**, B. ; name of E. Boston previous to 1832.
- \***Nonantum street**, Bri., 1840 ; from Washington st. at Oak sq., southerly, south-westerly, and westerly, to Newton line ; named, June 15, 1840 ; previously called Indian lane ; altered, etc., Sept. 10, 1855.
- Nonquit street**, Dor. ; from Dudley st., south-west, between Monadnock st. and N.Y. & N.E. R.R.
- Nopper street**, Rox. ; from Highland st. to Ellis st. ; laid out with name of Fulda st., Aug. 27, 1889.
- Norcross place**, So. B. ; from E. Eighth st., north, between K st. and L st.
- Norfolk avenue**, B., 1828 ; from Washington st., near Bromfield st., west, then north, to Province House court (now Province court) ; name changed to Ordway pl., April 21, 1868.

- \***Norfolk avenue**, Rox. and Dor.; from Hampden st. to E. Cottage st.; from East (now Hampden) st. to Dorchester line accepted and named, Nov. 25, 1850; street leading from Norfolk av. (Rox.) to Cottage (now E. Cottage) st. (Dor.), heretofore called Franklin st., named Norfolk av., being continuation of same, Dec. 21, 1875; for laying out see Franklin st.
- Norfolk place**, B., 1823; from Washington st. to Harrison av., south of Bedford st.; called Jarvis row, 1805; named Norfolk pl. (from Washington st., east, south of Suffolk pl.,) 1823.
- Norfolk terrace**, Dor.; from Washington st. to Norfolk st., near Talbot av.
- \***Norfolk street**, Rox.; from Highland st. to Lambert av.; accepted, July 2, 1860.
- Norfolk street**, Rox.; from Ruggles (now Cabot) st. to Williams (now part of Vernon) st.; accepted and extended to Washington st. over a part of Williams st. and name changed to Vernon st., May 16, 1842.
- \***Norfolk street**, Dor.; from Washington st. to Blue Hill av., at Mattapan, near River st.; laid out from Dr. Baker's to James Tolman's shop, May 9, 1803, and April 2, 1804; formerly West st.; located by County Commissioners, Dec. 15, 1835; from Upper Mills to the Town House altered, etc., Dec., 1838; same named, March 11, 1840; part between B.H. & E. (now N.Y. & N.E.) R.R. and Jamaica st. relocated, Feb., 1866; altered near Washington st., May 20, 1878; altered at Blue Hill av., Feb. 14, 1880; part near River st. included in Blue Hill av., Nov. 5, 1894.
- Norfolk street**, W. Rox.; from Washington st. to Kittredge st. (formerly Roslin av.).
- Norfolk and Bristol turnpike**, Rox. and W. Rox.; old County road, from Dudley st., Roxbury, to Dedham line; alteration of part over Smelt Brook confirmed, April, 1808; called Dedham turnpike, 1849; laid out as a public highway, with extension to Boston line, to meet end of Shawmut av. there, June, 1857; part in Roxbury, from West Roxbury line, with extension to Boston line, named Shawmut av., Dec. 28, 1857; part in West Roxbury named Shawmut av., Feb. 3, 1858; from Dudley st., Roxbury, to Dedham line named Washington st., June 16, 1874.
- \***Norman street**, B., 1877; from Green st. to Merrimac st.; called Gouch lane, 1732; Gouch st., 1822; named Norman st., Dec. 18, 1877.
- \***North avenue**, Dor.; from Dudley st. to Brook av.; see plan dated 1860; laid out from Stoughton (now Dudley) st. to Brook av., Aug. 12, 1869.
- North row**, B., 1803; on Fish (now North) st., cor. of Cross st.
- \***North square**, B., 1788; between North, Sun court, Moon, Garden court and Prince sts.; called Clark's sq., 1708; North sq., 1788; called Garden sq. on Carleton's map, 1800, but no record as such.
- \***North street**, B.; from Dock sq. to Commercial st.; part of Ann st., from Dock sq. to North sq., named North st., Jan. 1, 1852; Ann st., from North sq. to Commercial st., named North st., April 10, 1854; at different times called also Ship st., Fish st., Drawbridge st., Conduit st.,—1708 to about 1824; Ann st. from Union st. at Dock sq. to Fish st. at Cross st.; Fish st. from Cross st. to Ship st. at Fleet st.; Ship st. from Fleet st. to Lynn st. at Battery st.
- North street**, B., 1708; from Bennet st. to the sea; from Clark's corner (Bennet st.) across Lynn st. to the sea, 1732; to Winnisimmit Ferry, 1800; made a part of Hanover st., July 6, 1824.
- †**North street**, Dor.; from Boston (now Dorchester) st., near former South Boston line, north-westerly, passing intersection of E st. leading to South Boston; see plan dated 1844; accepted to intersection of E st., April 11, 1849; now part of W. Eighth st.

\***North street**, Chsn.; from High st., south-westerly, parallel with Salem st.; from Gorham (now High) st., south-west, to end of Osgood's lane, by plan dated 1810; accepted, Dec. 15, 1834; laid out "per present bounds," Nov. 17, 1851; name changed to Salem-st. av., July 21, 1869.

**North Allen street**, B., 1807; from Chambers st. to Brighton st.; named Allen st., April 1, 1829.

**Northampton place**, B.; from Northampton st., south-westerly, to Camden st.; court on easterly side of Everett school-house named Northampton pl., Oct. 19, 1871.

\***Northampton street**, B. and Rox.; from Albany st., north-westerly, to the B. & P. (now N.Y., N.H. & H.) R.R.; order to open the street heretofore laid out over the land adjoining the Neck called Northampton st., and to extend the same from the Neck eastwardly to Roxbury line or Hill's dam, Sept. 8, 1819; laid out on the Neck, July 24, 1826; from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; certain alterations in June, 1842; street accepted, Dec. 7, 1857; part west of Tremont st. accepted, Dec. 2, 1867; part adjoining estate of Boston Water Power Company discontinued, Oct. 26, 1868.

\***North Anderson street**, B., 1868; from Cambridge st., northerly, to grounds of Massachusetts General Hospital; called Bridge st., 1803; name changed to N. Anderson st., April 21, 1868.

\***North Battery wharf**, B.; from Commercial st., north-easterly, between Hanover st. and Battery st.

\***North Beacon street**, Br.; from Cambridge st. at Union sq. to Watertown line; Beacon st. called N. Beacon st., March 5, 1860; highway over Mill-dam road and Watertown turnpike and connecting bridges, from line between Brighton and Brookline through town of Brighton to line at Arsenal grounds, accepted, Nov. 19, 1868.

**North Bennet place**, B., 1858; from N. Bennet st., south-westerly; called Bennet pl., 1834; named N. Bennet pl., 1858.

\***North Bennet street**, B., 1708; from Hanover st. to Salem st.; at different times known as North School st., North Grammar School st., North Latin School st. and Bennet st.

**North Brimmer place**, B., 1867; from North st., south-easterly, near Richmond st.; probably Trant's alley, 1849; called N. Brimmer pl., 1867; same called Brimmer pl. in 1884; N. Brimmer pl. in 1890.

\***North Centre street**, B.; from North st., north-westerly, to Hanover st.; previous to 1708 called Ball's alley and Perraway's alley; Paddy's alley, 1708; called N. Centre st. from Ann (now North) st., north-west, about 1773; Center st. from Ann st. north of the bridge into Middle (now Hanover) st., 1778; from Ann st., west, across Middle st. and Back (now Salem) st. to the Mill-pond, 1800; from Ann st. to Middle st., 1817.

**North Charles street**, B.; from Cambridge st. to Leverett st.; from Livingston st., south-west, 1841; extended southerly to Charles st., in front of new jail, 1855; extended from Cambridge st. to Allen st., by construction of a pier bridge, 1856; from Cambridge st. to Leverett st., 1859; street extending from Cambridge st. to Leverett st., portions of which were laid out in 1855 and 1857 as "Charles st. extended," and a portion of which is known as "N. Charles st.," called Charles st., in extension of that street, Feb. 13, 1866.

**North Chapel place**, B.; from 167 Friend st., between Market st. and Travers st.; Chapel pl. sometimes so called.

**Northern avenue**, So. B.; a proposed street crossing Fort Point Channel, in continuation of Oliver st., north of and parallel with Eastern av. (now Congress st.); shown on plan dated Dec. 27, 1880.

**Northern avenue**, Dor.; from Washington st. to Talbot av.

- North Federal court**, B., 1806; from Union st. at junction of Hanover st., north-east; called Link alley, 1708; N. Federal court, 1806; to Mill-pond st., 1820; discontinued, Sept. 7, 1857; partly built upon and closed, 1860; shown in 1884 and 1888, from Blackstone st., south-west.
- North Ferry**, B.; from the end of Battery st., east, to East Boston.
- North Ferry avenue**, B.; from Commercial st. to Ferry Landing; from Commercial st., opposite Battery st., 1870; sometimes called People's Ferry av.; laid out as Battery st., Aug. 3, 1880.
- North Ferry avenue**, E.B.; from Sumner st. to Ferry Landing; given also as extension of Sumner st.
- \***Northfield street**, B.; from Tremont st., south-easterly, then north-easterly, to Camden st.; laid out from Tremont st. between Camden st. and Lenox st., 1856; named, Nov. 19, 1857; now from Tremont st. to land of St. Vincent Orphan Asylum, then north-easterly by the same to Camden st.
- North Grammar School street**, B.; name given to N. Bennet st., 1789.
- \***North Grove street**, B.; from Cambridge st., northerly, across Fruit st. to Medical College buildings; from Cambridge st., north, 1818; to the Medical College, 1850; accepted, Oct. 30, 1855.
- North Hanover court**, } B.; from Hanover st., north-westerly, opposite  
**North Hanover place**, } Board alley; called Robinson's court, 1821; Rob-  
 bins court, 1824; N. Hanover pl. or court, 1825; Hanover pl., 1827;  
 N. Hanover court, 1840.
- \***North Harvard street**, Bri.; from Cambridge st., north-westerly, to Franklin st., then north-easterly to Charles River; named Harvard st. from Cambridge st. to Old Cambridge bridge near the Colleges, June 15, 1840; altered, Nov. 24, 1857, at which date it was called Harvard st. and there is no record of change to N. Harvard st.; called N. Harvard st. on plan dated 1866.
- \***North Hudson street**, B., 1838; from Hull st., north-easterly, to Snow-hill st.; laid out, March 1, 1875.
- North Latin School street**, B.; name given to N. Bennet st., about 1789.
- North Margin place**, B., 1844; from N. Margin st., easterly, between Thacher st. and Cooper st.
- \***North Margin street**, B., 1807; from Stillman st. to Lafayette av.; formerly from Salem st., north-westerly, northerly, north-westerly, to Lafayette av.; laid out over the Mill-pond, Aug. 3, 1807; from Thacher st. to the First Baptist Church, 1821; extended through Richmond st. to Salem st., 1841; extended from angle near and south of Cooper st. to Stillman st., Sept. 25, 1891; part leading north-west from No. 90 Salem st. to the part extended to Stillman st. was changed to Wiget st., March 1, 1894.
- North Margin-street court**, B., 1868; from N. Margin st., north-easterly, near and south of Lafayette av.
- \***North Market street**, B., 1825; from Commercial st. to Merchants' row; laid out from Commercial st. to Merchants' row, north side of Faneuil Hall Market, March 30, 1825; continuation to Dock sq., which was staked out in 1826 as a continuation of N. Market st. and since used as a public street; laid out and established as a street of city, April 30, 1838.
- North Mead street**, Chsn.; from Medford st. to Bunker Hill st.; shown as an unnamed street on plan dated 1843.
- North Mead-street court**, Chsn.; from N. Mead st., north-westerly.
- North Pleasant street**, Chsn.; from northerly end of Summer st., north-easterly, to Bunker Hill st.; same conveyed to Town for public highway by Oliver Holden, July 17, 1810; name changed to Pearl st., July 7, 1845.



- Northrop street**, Rox. ; from Elm Hill av. to Landseer av. ; now part of Ruthven st.
- \***North Russell street**, B., 1795 ; from Cambridge st. to Eaton st. ; from Cambridge st., northerly, 1800 ; on Carleton's map, 1800, from Cambridge st. to Eaton st. ; named in 1802.
- North School street**, B. ; name given to N. Bennet st., 1789.
- North Townsend place**, B. ; from 516 Commercial st. ; Townsend pl. sometimes so called ; part of included in Commercial st. when widened in 1879 ; now included in park.
- North Writing School street**, B. ; from Hanover st. to Salem st., 1789 ; formerly called Love lane (called Love lane on Carleton's map, 1800, and Edes' list, 1800) ; lane formerly called Love lane named Tileston st., June 20, 1821.
- †**Norton street**, Dor., 1887 ; from Richfield st. to Speedwell st. ; laid out from Bowdoin st. to Richfield st., April 23, 1887 ; authority to open part from Bowdoin st. to Speedwell st. given by Street Commissioners, Aug. 29, 1893.
- \***Norway street**, B. ; from Huntington av. to Massachusetts av. ; Caledonia st. laid out from Huntington av. to Falmouth st. with name of Norway st., Dec. 22, 1891, and extended over the private way known as Caledonia st., from Falmouth st. to Massachusetts av., Sept. 14, 1894.
- \***Norwich street**, B. ; from Mystic st., south-easterly, to Meander st. ; laid out between Washington st. and Harrison av., prior to 1834 ; named, 1850 ; accepted, July 23, 1862.
- Norwood street**, Dor. ; north-westerly, from and parallel with O.C. (now N Y., N.H. & H.) R.R., crossing Tolman st.
- Nottingham road**, Bri., 1895 ; from the junction of Colonial road and Melton road, near Chestnut Hill av. and Commonwealth av. ; authority to open given by Street Commissioners, Jan. 1, 1895.
- Nottingham street**, Dor., 1892 ; from Bowdoin av. to Bullard st. ; authority to open given by Street Commissioners, Sept. 23, 1892.
- Notre Dame street**, Rox. ; from Dimock st. (formerly Codman av.) to Bragdon st. ; named, April 28, 1871.
- Noyes alley**, B., 1801 ; near Merchants' row and Corn court, 1801 ; probably the easterly part of Corn court.
- Noyes place**, B., 1825 ; from Salem st., westerly, near Prince st.
- \***O street**, So. B., 1805 ; from Reserved Channel north of E. First st. to Strandway ; from salt water on the south to the harbor of Boston on the north laid out and named, Feb. 27, 1805 ; lines run and stakes or posts placed at corners of intersecting streets, Sept. 21, 1835 ; lines run and established, April 23, 1849 ; laid out from low-water mark north of First (now W. First) st. to Harbor line in Dorchester bay, Nov. 17, 1868.
- O-street place**, So. B. ; from O st. to Cordage court, between E. Sixth st. and E. Seventh st.
- Oak avenue**, Dor. ; from Adams st. to Plain st. ; shown in 1867.
- Oak avenue**, W. Rox. ; from Cass st., south-west, near West Roxbury Branch R.R. ; formerly called Elm st.
- Oak Grove terrace**, Rox. ; from Ruggles st., south-west, to Auburn pl.
- Oak place**, B. ; from Oak st., southerly, opposite Ash st. ; Ash st. completed, about 1820, across Oak st. to near Pine st., and in 1834 the part south of Oak st. called Oak pl.

- \***Oak place**, W. Rox. ; from Green st., north-east, then north-west, to Lamartine st., with a short piece from angle to B. & P. (now N.Y., N.H. & H.) R.R.; laid out from Green st. to Lamartine st., Feb. 14, 1876; name changed to Oakdale st., March 1, 1884.
- \***Oak square**, Bri.; junction Faneuil, Washington, Tremont, and Nonantum sts.; laid out, Sept. 10, 1855; named, March 5, 1860.
- \***Oak street**, B., 1805; from Washington st. to Albany st.; from Orange (now Washington) st. to Ash st., 1809; extended to Front st. (now Harrison av.), 1827; accepted, April 16, 1832; extended to Lincoln st., 1837; accepted from Harrison av. to Albany st., Oct. 9, 1848; Oak st. from Albany st. and Lincoln st. from Kneeland st. discontinued on land of B. & A. R.R. Company at some time later than 1880; no record.
- Oak street**, So. B.; from Old road from Boston (now Boston st.) to land of Boston Wharf Company; shown in 1846; name changed to Ellery st., Aug. 7, 1855.
- Oak street**, Rox.; from Massachusetts av. to Norfolk av.; same called Oakes st.
- Oak street**, Rox.; from Park st. to Elm st. (now Longwood av.), 1850; laid out with name of Autumn st., 1871.
- Oak street**, Rox.; from Edinboro' (now Thornton) st. to Norfolk and Bristol turnpike (now Washington st.), 1844; shown as an unnamed 30-foot street on plan dated 1835; also called Mechanics st. on plan dated 1843; accepted conditionally, Sept. 3, 1855; accepted finally, Feb. 9, 1863; name changed to Oakland st., April 21, 1868.
- Oak street**, W. Rox.; from Beech st., south-westerly, crossing Farrington av. or st.; shown in 1872; laid out from Farrington st. to Beech st. with name of Kenneth st., July 24, 1891.
- \***Oak street**, Chsn.; from Main st. to Russell st.; accepted, March 22, 1841.
- Oak terrace**, Dor.; from Birch st. to Lyons st.
- \***Oakdale street**, W. Rox.; from Green st., north-east, then north-west to Lamartine st.; formerly Oak pl., and by that name laid out, Feb. 14, 1876; name of part of Oak pl. changed to Oakdale st., March 1, 1884.
- Oakdale place**, W. Rox.; from Oakdale st., south-east, near Green st.
- Oakdale square**, W. Rox.; from Oakdale st., north-east.
- Oakdale terrace**, W. Rox.; from Oakdale st., north-west.
- Oak Hill avenue**, Dor.; from Delhi st., south-east, towards W. Selden st.
- Oake's corner**, B., 1777; cor. of Summer st. and Newbury (now Washington) st. then so called.
- Oakes street**, Rox.; from Norfolk av. to Massachusetts av.; Oak st. so called.
- Oakland avenue**, Rox.; from Dudley st. between Greenville st. and Mt. Pleasant av., south-west; Albany av., 1874.
- Oakland avenue**, Bri.; from Oakland st., south-west.
- Oakland avenue**, Dor.; from Columbia st., south-east, parallel with Rosalinda st.; shown on plan dated 1872 in about the location of present Hewins st.
- Oakland park**, Rox.; from Oakland st., south-west.
- Oakland place**, Dor.; from Blue Hill av., west, then south-west to Oakland st.
- Oakland place**, Bri.; from Oakland st.

- \***Oakland street**, Rox.; from Washington st. to Thornton st.; called Mechanic st. on plan dated 1843; formerly also called Oak st. and by that name accepted, Feb. 9, 1863; named Oakland st., April 21, 1868.
- \***Oakland street**, Dor.; from River st. to Back st.; shown but not named on plan dated 1855; part in West Roxbury shown on plan without date; laid out from River st., Upper Mills, to Norfolk and Bristol turnpike (now Washington st.), West Roxbury, by way of Berry st. and Ashland st., Sept., 1856.
- \***Oakland street**, Bri.; from Washington st., northly, then westerly, then north-westerly, to Faneuil st.; located, May 6, 1853; accepted and named, Sept. 5, 1853.
- Oakley street**, Dor., 1893; from Bowdoin st. to Geneva av.; authority to open given by Street Commissioners, March 22, 1893.
- \***Oakman street**, Dor., 1873; from Walnut st. to Taylor st. (Neponset); laid out, June 22, 1875.
- Oakridge street**, Dor., 1893; from Codman st. to Morton st.; authority to open given by Street Commissioners, June 7, 1893.
- Oakview avenue**, Rox.; from Marcella st., north-east, then north-west.
- Oakville avenue**, Rox.; from St. James st., north-east, nearly opposite Alpine st.
- \***Ocean street**, Dor.; from Ashmont st. to Welles av.; laid out, July 31, 1873.
- Odeon avenue**, B., 1842; from Milk st. to Franklin st.; formerly called Dinsdale's alley and Theatre alley; the south part of Theatre alley called Odeon av., 1842; from Milk st. to Franklin st., 1859; Devonshire st. extended through, 1859; called also Odeon pl.
- Ohio place**, B., 1843; from Washington st., west; called Mechanics pl., 1823; name of Ohio pl., leading from Washington st. to Shawmut av., changed to Ohio st., May 30, 1872.
- \***Ohio street**, B.; from Washington st. to Shawmut av.; called Mechanics pl. from Orange (now Washington) st., west, 1823; Ohio pl., 1843; name changed to Ohio st., May 30, 1872; laid out, Aug. 21, 1883.
- Oke's corner**, B., 1708; in Newbury (now Washington) st.
- Old Cambridge road**; see Cambridge st., Chsn.
- Old Harbor place**, So. B.; from Old Harbor st., east, between Thomas park and E. Eighth st.; shown in 1873.
- †**Old Harbor street**, So. B.; from Dorchester st. to E. Ninth st., with proposed extension to line in "Old Harbor;" laid out on land of Champney, Thos. Bird's heirs, and Mary Clap, Feb. 27, 1805; laid out from Dorchester st. to former dividing line between Dorchester and Boston, Nov. 17, 1868.
- Old road**, So. B.; before annexation, part of Dorchester st.; from angle in same north of Third st. to the junction of M st. and Fourth (now E. Fourth) st., see plan dated 1837; name of part from Third (now E. Third) st. to Fourth (now E. Fourth) st. changed to Emerson st., March 22, 1864.
- Old road**, Dor.; from Columbia st. to Elmo st.; discontinued from Columbia st. to Blue Hill av. at Seaver st., Nov. 8, 1880.
- Old road**, W. Rox.; leading from Canterbury st. to Boston, and lying between Blue Hill av. and land of W. E. Abbott; discontinued, July 26, 1852.
- Old road to Dedham**, W. Rox.; from Centre st., opposite Third Parish Meeting-house; shown on plan dated 1815; now part of South st.
- Old way**, B.; from Cross st., north, by the Mill-pond, 1708-1732; closed.

- Oleander street**, Dor.; from Magnolia st. to N.Y. & N.E. R.R.
- Olive court**, B.; from Washington st., east, 1837; called Olive pl., 1849.
- Olive place**, B.; from Washington st., south-easterly, to Waltham st., near its junction with Harrison av.; called Olive court, 1837; Fisher's court, 1846; Olive pl., from Washington st., east, afterwards to Harrison av.
- Olive street**, B.; north of J. Joy's to the water, 1796; from Belknap (now Joy) st. to Charles st., 1817; Sumner st. extended through Olive st., July 6, 1824; named Mt. Vernon st., Aug. 27, 1832.
- Oliver court**, B.; from Webster av., easterly; same in 1863.
- Oliver place**, B.; from Essex st. to Beach st.; same in 1825; sometimes called Oliver's av.
- \***Oliver street**, B.; from Kilby st. to Atlantic av.; the street where Mr. Daniel Oliver dwells, from Milk st. to Fort Hill, 1708; from Milk st., south, to Cow lane (now High st.), 1732; called Oliver's lane by Directory, 1789; from Milk st. to Washington pl. (Fort-Hill sq.), 1817; the portion now from Fort-Hill sq. to Atlantic av. was called Gibbs or Gibson's lane from 1708, and named Belmont st. (from High st. to Broad st. (now Atlantic av.)), 1845; Oliver st. extended through Washington sq. and Belmont st., Sept. 6, 1865; name of Belmont st. changed to Oliver st., April 21, 1868; portion discontinued, May 21, 1868; extended to Kilby st. at Liberty sq., April 18, 1873.
- Oliver's avenue**, B.; Oliver pl., from Essex st. to Beach st., sometimes so called.
- Oliver's bridge**, B.; in Mackerel lane (now Kilby st.), 1722.
- Oliver's (Mrs.) corner**, B.; at foot of Water st., 1708.
- Oliver's lane**, B., 1789; Oliver st. so called.
- Olmstead street**, W. Rox., 1893; from Forest Hills st. to Peter Parley st.; authority to open given by Street Commissioners, May 24, 1893.
- \***Olney street**, Dor.; from Bowdoin st. to Rosseter st.; name of Green st. between Bowdoin st. and Geneva av. changed to Olney st., Dec. 30, 1876; through Union av., extended from Geneva av. to Rosseter st., March 1, 1888.
- Olney-street place**, Dor.; from Olney st. to Wales pl.; formerly called Green-st. court.
- \***Oneida street**, B.; from Harrison av. to Albany st.; from Harrison av., east, 1844; to Albany st., 1845; accepted, Jan. 5, 1856.
- Ontario street**, B.; from Lincoln st. to Lehigh st., 1855; closed.
- \***Ontario street**, So. B.; from Swan st. to Foundry st.; laid out between Sixth st. and Swan st., Oct. 12, 1869; closed; taken by O.C. R.R. Co. by authority of the Acts of Legislature of 1893.
- Ophir street**, W. Rox., 1892; laid out from Washington st. to Brookside av., Sept. 6, 1892.
- Orange avenue**, B.; from W. Orange st. to W. Castle st., nearly opposite Middlesex st., 1849; sometimes called Orange pl.; closed.
- Orange court**, B.; from Orange (now Washington) st., west, 1823; previously called Dutch lane; from Washington st. to Johnson school-house accepted, Oct. 1, 1838; accepted and laid out, Sept. 1, 1845; name changed to Dix pl., March 30, 1846.
- Orange court**, Rox., 1850-59; from Fellows st., north-westerly.
- Orange lane**, B.; from Washington st., opposite Orange st., to Harrison av.; same in 1827.
- Orange place**, B.; from Washington st., west, 1825; accepted from Washington st., westerly, as far as houses numbered 30 and 31, and named Orange st., Aug. 2, 1830.

- Orange place, B.;** from W. Orange st. to W. Castle st., nearly opposite Middlesex st., 1849; same as Orange av.; closed.
- Orange street, B.;** from Washington st. to Shawmut av.; Orange pl., 1825; Orange pl. accepted from Washington st. as far westerly as houses numbered 30 and 31, and named Orange st., Aug. 2, 1830; formerly a public street, but was discontinued in 1872; from Washington st. next south of the B. & A. R.R., 1874.
- Orange street, B.;** from Beach st. to Dover st., 1663; from Essex st. to the fortifications (near Dover st.), 1708; made a part of Washington st., July 6, 1824.
- †**Orange street, Rox.;** from Washington (now Roxbury) st. to Clay (now Linden-Park) st.; also from Clay st. to junction Ruggles and Cabot sts.; laid out, etc., July 25, 1853; accepted between Washington st. and Pearl (now King) st., Sept. 7, 1857; accepted conditionally between Factory (now Vernon) st. and Culvert st., Oct. 28, 1867; part between Washington st. and Pearl st., named Elmwood st., April 21, 1868; between Clay st. and Cabot st., named Hampshire st., April 21, 1868; remainder from Pearl st. to Clay st., subsequently named Elmwood st.; no record.
- Orange street, W. Rox.;** from Beech st., north-easterly, then northerly to West st.; same in 1874.
- Orange-Tree lane, B.;** previously to 1708, from Queen (now Court) st. to Hudson lane (now Elm st.); called Hanover st. in 1708.
- Orchard court, Rox.;** from what is now Orchard st. to a point opposite Proctor (now Eustis) st., and about 100 feet distant, north-westerly, from Adams st.; name changed to Orchard st., and extended to Adams st., May 27 and Sept. 10, 1867; called Eustis st., April 21, 1868.
- Orchard park, Rox.;** park at junction of Chadwick st. and Orchard-Park st.
- Orchard place, Dor.;** from Boston st., south-easterly, opposite Clapp st.
- Orchard street, Rox.;** from Yeoman st. to Eustis st. across Orchard Park; also from Orchard st., opposite Trask pl., to Adams st. now Orchard-Park st.; accepted conditionally, Oct. 24, 1859; portion of Eaton st. from Orchard st. to Adams st., accepted and named Orchard st., Nov. 12, 1860; now Orchard-Park st.; extended to Adams st., through Orchard court, May 27 and Sept. 10, 1867 (this part is now Eustis st.); between Dearborn st. and Adams st. called Eustis st., April 21, 1868.
- \***Orchard street, W. Rox.;** from Centre st. to Pond st.; accepted, located and laid out, Oct. 1, 1866; accepted, March 25, 1867; laid out, 1873.
- Orchard street, Bri.;** from Saunders st. to Gordon st.; laid out as Pomeroy st., June 9, 1887.
- \***Orchard-Park street, Rox.;** from Chadwick st. at junction with Ambrose st. to Adams st.; that part of Eaton (now Orchard-Park) st. to Adams st., accepted and made a part of Orchard st., Nov. 12, 1860; from Orchard st. to Hartopp pl. (now Ambrose st.) at junction with Chadwick st., laid out, Feb. 19, 1876; no record of change of name of part of Orchard st. between Orchard st. and Adams st. to Orchard-Park st.
- Orchardale street, Dor.;** from Westville st. to Corona st.
- Ordway place, B.;** from Washington st., near Bromfield st., west, then north to Province court; called Norfolk av., 1828; named Ordway pl., April 21, 1868.
- \***Oregon street, Rox.;** from Conant st. to Smith st.; laid out from Conant st., and extended to Smith st., Sept. 23, 1882.
- Organ-Park street, W. Rox.;** from Catherine st., south-east, then north-east, near Bourne st.
- Orient avenue, E.B. (Breed's Island);** from Farrington st., west, to unnamed street near B. & M. R.R.

- Orient Heights, E.B.;** on Breed's Island.
- Oriental court, Rox.;** from Phillips st., westerly, near Tremont st.
- Oriole street, Rox.;** from Walnut av. to Humboldt (formerly Williams) av.; laid out as Ruthven st., Dec. 1, 1884.
- \*Oriole street, W. Rox.;** from Park st. to Bellevue st.; same in 1874; laid out, Aug. 28, 1882.
- †Orleans street, E.B.;** from Marginal st. to Bennington st.; laid out from Maverick st. to Marginal st., Aug. 7, 1848; portion between Maverick and Decatur sts. accepted, April 5, 1859.
- Osborn place, B.;** from Pleasant st. to and crossing Shawmut av.; from Pleasant st., south, between Washington st. and Tremont st., 1845; a portion taken by the extension of Shawmut av. in 1870.
- \*Oscar street, Rox.;** from Parker st. to Terrace st.; private way known as Drury pl. laid out as Oscar st., Aug. 19, 1881.
- Osgood court, Rox.;** from Washington st., north-westerly, parallel with Cedar st.
- Osgood place, B.;** from Poplar st. to Pike alley; same in 1874.
- Oswald street, Rox.,** 1894; from Hillside st. to Calumet st.; authority to open given by Street Commissioners, Sept. 20, 1894.
- \*Oswego street, B.;** from Harrison av. to Albany st.; from Harrison av., east, 1844; to Albany st., 1845; accepted, Jan. 5, 1856.
- Otis place, B.;** from Brimmer st., westerly and southerly and northerly, to Mt. Vernon st.
- Otis place, B.;** from Summer st., opposite Kingston st., to rear of Franklin pl.; called Otis st. from 1812 to 1816; Otis pl., 1816 to 1861; renamed Otis st., April 23, 1861.
- Otis place, Chsn.;** from Main st., opposite Lincoln st., north-east.
- Otis place, W. Rox.;** from Norfolk st., south-west.
- \*Otis street, B.;** from Summer st., opposite Kingston st., to Winthrop sq.; from Summer st. to rear of Franklin pl., 1812; called Otis pl., 1816; renamed Otis st., April 23, 1861; on petition for acceptance City Solicitor gives opinion that Otis st. is a public highway, Nov. 11, 1861.
- Otis street, Rox.;** name changed to Townsend st., April 21, 1868; (Townsend st. from Washington st. to Warren st., 1884).
- Otis street, Bri.;** from Cambridge st., north-westerly, then westerly, to Franklin st.; from Cambridge st. to Hill av. laid out as Mansfield st., April 17, 1882; Hill av., which is the part from Franklin st., easterly, laid out as Easton st., Sept. 10, 1889.
- Otis wharf, B.;** from Atlantic av., easterly, between High st. and Oliver st.
- \*Otisfield street, Rox.;** from Blue Hill av. to Gaston st.; formerly Otisfield av.; laid out, March 5, 1895.
- Ottawa place, B.;** from Washington st., east, near S. May (now Savoy) st.; called Sands pl., 1859; named Ottawa pl., 1873; name changed to Temple park, 1879; now called Mechanics' row.
- \*Ottawa street, Rox.;** from Sherman st. to Laurel st.; laid out, Sept. 7, 1871.
- \*Otter street, B.;** from Beacon st., northerly, to Charles River; same in 1847; laid out by Boston and Roxbury Mill Corporation, Feb. 26, 1849; accepted, July 1, 1857.
- Overlook street, Rox.;** from Fisher av. to Parker Hill av.
- Oxford place, B.;** from Harrison av., easterly, then northerly and southerly, with opening from the south end easterly into Oxford st.; from Harrison av., east, near Essex st., 1842.

- \***Oxford street**, B.; from Essex st. to Beach st.; same including Peck lane, 1842; accepted and named, Oct. 24, 1842.
- \***Oxford street**, Rox.; from Sudbury (now Weston) st. to Tremont st.; accepted conditionally, March 11, 1844; accepted finally, March 3, 1845; name changed to Newbern st., April 21, 1868.
- Oxford terrace**, B.; from Huntington av., near Dartmouth st., south-east, then north-east, 1884.
- \***P street**, So. B.; from Reserved Channel, north of E. First st., to the Strandway; formerly to "Old Harbor," south of E. Sixth st.; from salt water on the south to the Harbor of Boston on the north, laid out and named, Feb. 27, 1805; laid out from low-water mark north of First st. to Harbor line in Dorchester bay, Nov. 17, 1868.
- \***Pacific street**, So. B.; from E. Fourth st. to Thomas st. (now Thomas park); laid out, Jan. 5, 1875.
- Packard's wharf**, B.; from Atlantic av., south-easterly, nearly opposite Oliver st.
- Paddy's alley**, B.; from Ann (now North) st., north-westerly; prior to 1708 called Ball's alley, and also Perraway's alley; called Paddy's alley, 1708; from Ann st. to Middle (now Hanover) st., 1732; a new street laid out in part over the old Paddy's alley, April 16, 1767, and relaid, June 17, 1773, being called Paddy alley st.; named N. Centre st. about 1773.
- Paddock's mall**, B., 1777; the west side of Common (now Tremont) st., opposite Rawson's lane (now Bromfield st.).
- Page avenue**, Dor.; from McLellan av. (now McLellan st.) to Glen road (now Glenway st.).
- Page's court**, B., 1837; from North st., near Harris st.; called Ann-st. court from Ann (now North) st., west, near Bartlett (now Harris) st., 1830; named Page's court, 1837.
- Page's court**, B.; by plan of 1851, from Ann (now North) st., west, next north of Sun-court st.; closed.
- Page's court**, So. B.; from W. Broadway to Athens st., between D st. and E st.
- Page's yard**, B.; from Ship (now Commercial) st., 1823; Richmond st. extended through it in 1831.
- Paine place**, B., 1849; from Washington st., east, near and south of Bennet st.
- \***Paine street**, W. Rox., 1884; from Canterbury st. to Walk Hill st.; Sargent st. laid out as Paine st., May 1, 1884.
- Pain's lane**, W. Rox.; from end of Berry st.; shown on plan 246, vol. 3 Norfolk County Commissioners; included in Berry st.
- Paisley park**, Dor., 1891; from Bournside st. to Upland av.; authority to open given by Street Commissioners, Oct. 1, 1891.
- Palmer place**, Rox.; from 65 Palmer st., south-westerly; named, March 14, 1871.
- Palmer street**, B., 1788; from Milk st., opposite Tanner's lane (now Bath st.), southerly by the Rope-walks to Cow lane (now High st.); called Hutchinson lane or st., 1732; called Palmer st., 1788; named Pearl st., 1800.
- \***Palmer street**, Rox.; from Washington st. to Eustis st.; name of Sumner st. changed to Palmer st., April 21, 1868.
- Paris court**, E.B.; from 79 Paris st. between Decatur st. and Wesley st.; shown as extending to Chelsea st. on atlas, 1884, and given as Parley court on atlas, 1874.

**Paris place, E.B.;** from 133 Paris st.

**Paris place, B., 1848;** name changed to Merrimac pl., from Merrimac st., south, near Gouch (now Norman) st., 1857.

\***Paris street, E.B.;** from Sumner st. to Bennington st., near Putnam st.; accepted to Maverick st., Aug. 27, 1849; the part laid out by East Boston Company laid out and named by City, July 28, 1851; accepted and laid out between Meridian st. and Decatur st., July 12, 1852; accepted between Decatur st. and Porter st., June 15, 1859; laid out from Porter st. to Bennington st., Sept. 23, 1871.

\***Parish street, Dor.;** from Winter st., easterly; laid out, Aug. 27, 1884.

**Park avenue, W. Rox.;** from Centre st. to Robin st.; Park st. so called on map, 1849.

**Park lane, W. Rox., 1894;** from Walnut av., near and north of Peter Parley st.; formerly called Franklin-Park terrace, and authority to open given under that name, by Street Commissioners, May 24, 1893.

**Park place, B., 1836;** from Hanover st., west, near Board alley, probably changed to Parkman pl.

**Park place, B.;** Park st. so called in Directory, 1806.

**Park place, Rox.;** from 53 Yeoman st., south-westerly.

**Park place, W. Rox.;** from 6 Myrtle st., southerly.

**Park place, W. Rox.;** area at the junction of Forest Hills st. and Morton st., so called on atlas of 1884.

\***Park square, B.;** at the junction of Pleasant st., Boylston st. and Columbus av.; part of public highway at junction of Pleasant, Boylston and Charles sts. discontinued and enclosed as a public square and named Park sq., Nov. 28, 1855.

**Park square, W. Rox.;** north-easterly from and parallel with Park av. or st.; now a part of Irving st.

\***Park street, B., 1803;** from Tremont st. to Beacon st.; prior to 1803 called Centry or Sentry st.; named Park st., 1803; in 1806 Directory called Park pl.; confirmed as a public street, Sept. 15, 1834.

**Park street, Rox.;** name changed to Edgewood st., April 21, 1868; Edgewood st. from Warren st. to Blue Hill av. was laid out, April 9, 1875.

**Park street, Rox.;** from Brookline av. to Riverway; formerly from Binney st. to Longwood st.; part between Brookline av. and Binney st. laid out as Smyrna st., May 17, 1882.

†**Park street, Dor.;** from Bernard st. to Freeport st.; from Commercial (now Freeport) st. to Dorchester av. located, Aug. 18, 1845; laid out from Dorchester av. to Washington st., April 1, 1851; laid out from Washington st. to the N.Y. & N.E. R.R., Sept. 8, 1886; part west of Washington st. sometimes called W. Park st.

†**Park street, W. Rox.;** from Centre st. to Robin st.; from Centre st. to Robin st. called Park av. on map, 1849; laid out and accepted from Centre st. to estate of Cox and others, March 29, 1872; laid out from a point between Pelton st. and Anawan av. (being about 2,000 ft. from Centre st.) to Martin st., Nov. 11, 1875.

\***Park street, Chsn.;** from City sq. to Winthrop sq.; part of Warren st., commencing at City sq. with extension of same to Winthrop sq., named Park st., Dec. 29, 1868.

**Parker avenue, Bri.;** from N. Harvard st., north-east, near Cambridge st.

**Parker court, W. Rox.;** from Paul Gore st., south-westerly, near Chestnut av.

**Parker court, Bri.;** from 48 Wexford st., south-west.

**Parker place, Rox.;** from Parker Hill av., at angle near Hillside st.



- Parker place**, Rox.; from Terrace st., opposite Alleghany st.; formerly from Parker st. crossing Terrace st.; part from Parker st. to Terrace st. laid out as Alleghany st., Oct. 2, 1877.
- Parker street**, B., 1856; from Washington st. to Harrison av.; called Sprague st., 1855; named Parker st., Jan. 29, 1856; name changed to Rollins st., April 21, 1868.
- \*Parker street**, Rox.; from Boylston st. to Centre st.; laid out from Tremont st. to Sewall, Day & Co.'s Works, Jan. 19, 1662; laid out from Heath st. to Centre st., Jan. 19, 1662; named from Heath st. by John Parker's to Worcester turnpike (now Tremont st.) and across same to Mill-dam (now Beacon st.), May 9, 1825; altered "from top of hill near Prospect st.," Sept. 7, 1857; lines changed from Washington (now Tremont) st. to Alleghany st., May 31, 1858; altered at junction with Heath st., Sept. 5, 1870; extended from Heath st. to Centre st., Aug. 1, 1871; laid out between northerly line of Boylston st. extended and northerly end of part of Parker st. south of Boylston st., now a public highway, Aug. 25, 1877; discontinued between Commonwealth av. and Beacon st., Dec. 5, 1879; discontinued between W. Chester park (now Massachusetts av.) at Commonwealth av. and Boylston st., Nov. 8, 1880.
- \*Parker street**, Chsn.; from Perkins st. to Cambridge st.; laid out and accepted, Sept. 18, 1865.
- \*Parker Hill avenue**, Rox.; from Huntington av. to Parker st.; name of Highland pl. changed to Parker Hill av., May 3, 1870; laid out from Tremont st. (now Huntington av.), and extended to Parker st., April 16, 1877.
- Parker's alley**, So. B.; from 222 W. Fourth st. to Silver st.; now partly built over and remainder called Hayden pl.
- Parker's court**, So. B.; from 228 W. Fourth st. to Silver st.; shown on atlas, 1874; called Smith pl. on atlas, 1884, and not shown on later atlas.
- Parkman place**, B., 1825; from Hanover st., north-westerly, between Cross st. and Parmenter st.
- Parkman place**, Dor.; from Parkman st., north, near Adams st.
- \*Parkman street**, B., 1868; from N. Russell st., westerly, to N. Grove st.; called Vine st. from N. Russell st. to Bridge (now N. Anderson) st., 1806; extended to N. Grove st., 1852; name changed to Parkman st., April 21, 1868.
- Parkman street**, B., 1846; from Dover st., north; called Tuckerman st., 1831; named Parkman st., 1846; name changed to Albion st., 1849.
- \*Parkman street**, Dor.; from Dorchester av. to Adams st.; laid out and accepted, June 11, 1853.
- Parkman street**, Bri., 1875; from Brooks st., north-west, near Faneuil station; part shown east from Brooks st. on early atlas.
- Parkman's corner**, B., 1708-1732; cor. of Ship (now Commercial) st. and Battery alley (now st).
- Parkway**, E.B.; from Bennington st. to Wood Island Park; includes what was formerly called Neptune st. or av.
- Parley avenue**, W. Rox., 1880; from Centre st. to Rockview st.; same given Parley vale, Directory, 1884.
- \*Parmenter street**, B., 1870; from Hanover st. to Salem st.; called Bear, Beer or Bur lane, 1708; Bridge's lane, 1796; Richmond st., 1800; name changed to Parmenter st., Dec., 1870.
- \*Parnell street**, B., 1880; from Lenox st. to Sawyer st.; called Plympton court, 1844; laid out and named Parnell st., Sept. 8, 1880.
- Parris place**, B., 1845; from Poplar st., north, between Chambers st. and Spring st.; named changed to Melrose pl., 1849.

- Parrott's alley**, B., 1800; from Water st. to Milk st., nearly opposite Oliver st.; probably the same as Board alley; now closed and occupied by the Mason building.
- \***Parsons street**, Bri., 1853; from Washington st. to N. Beacon st.; laid out, June 3, 1842; accepted conditionally, July 18, 1842; laid out, June 24, 1853; accepted and named, Sept. 5, 1853; laid out from Beacon st. to Faneuil st., May 19, 1856; accepted, March 9, 1857; relocated between Washington st., and Faneuil st., April 29, 1882.
- Partridge street**, W. Rox.; from La Grange st., opposite Adelaide terrace, to Cottage av.
- \***Passageway**, B.; from Faneuil Hall sq. to North st.; very ancient, especially the northerly half next to North st.; the City Solicitor decides that it is a public way, Sept. 23, 1879; named Bendall's lane, Feb. 27, 1882.
- Passageway**, B.; from Shawmut av. to Tremont st. between Upton st. and Union park; laid out, 20 feet wide, Jan. 19, 1858, but City Solicitor rules (1879) that the action was illegal, there having been no order of notice; see Union Park passageway.
- Passageway**, Chsn., 1875; from Medford st. to Prescott school; now partly built over by Medford-st. Primary School-house.
- Patterson street**, Dor.; from Codman st., near Dorchester av., to Brook st.
- \***Paul street**, B., 1868; from Tremont st. to Emerald st.; name of Gardner (or Gardiner) st. changed to Paul st., April 21, 1868; laid out, Dec. 31, 1870.
- \***Paulling street**, Rox., 1884; from Dale st. to Bainbridge st.; laid out, Sept. 17, 1884.
- \***Paul Gore street**, W. Rox.; from Centre st. to Lamartine st.; part from Centre st. to Chestnut av. laid out, Sept. 14, 1882; laid out from Chestnut av. to Lamartine st., July 5, 1887.
- Paul Gore terrace**, W. Rox.; from 82 Paul Gore st.
- Payson avenue**, Dor.; from Hancock st. to Glendale st.
- Payson court**, So. B.; from 312 W. Broadway to Athens st.
- Payson place**, Chsn., 1875; from 9 Elm st., near High st., south-easterly, then north-easterly, to Howard pl.
- Peabody street**, Rox.; from Brookline av. to Binney st.
- Peabody place**, W. Rox.; from 219 Lamartine st., near Spring lane.
- Peaceable street**, Bri., 1875; from Rockland st. to Winship st.
- \***Pearl place**, B., 1828; from Pearl st., east, between Milk st. and High st.; laid out and extended to Oliver st., July 23, 1869; name changed to Wendell st., being a continuation of that street, March 1, 1883.
- Pearl place**, E.B.; between and parallel with Webster st. and Marginal st., near Cottage st.
- \***Pearl street**, B., 1800; from Milk st. to Atlantic av.; called Hutchinson lane, from Milk st. to Cow lane [now High st.], 1722; Hutchinson st., 1743; Palmer st., 1788; Green lane by plan of 1789; name of Hutchinson st. changed to Pearl st., Jan. 22, 1800; extended to Purchase st., including Griffin's or Gridley's lane, 1821; extended from Purchase st. to Broad st. (now Atlantic av.), July 10, 1837; extended from Milk st. to Congress st. at Water st., including portions of Bath st., April 18, 1873; last named portion called Post Office sq., Dec. 28, 1874.
- Pearl street**, Rox.; name changed to King st., April 21, 1868; King st., from Roxbury st. to Elmwood st., laid out, July 16, 1877.
- \***Pearl street**, Dor.; from Pleasant st. to Dorchester av.; Selectmen report in favor of acceptance, Sept. 12, 1855; laid out, July 13, 1859; laid out as a town way, March 5, 1860.

- \***Pearl street**, Chsn., 1845; from High st. to Medford st.; from Summer st. to Bunker Hill st. conveyed to Town by Oliver Holden, for a public highway, July 17, 1810, being called N. Peasant st.; named Pearl st., July 7, 1845; accepted conditionally, from Bunker Hill st. to Medford st., May 4, 1856; same accepted, Oct. 25, 1854; altered from Summer st. to High st., Oct. 22, 1867.
- Pearl street**, Bri.; from Franklin st. to Everett st.; laid out by Selectmen, Dec. 16, 1873; laid out as Brentwood st., Aug. 13, 1889.
- Pearl-street place**, Chsn.; from 90 Pearl st., north-westerly, near Medford st.; same in 1875.
- Pearl-street wharf**, B.; from Atlantic av., south-easterly, at the foot of Pearl st.
- Peck lane**, B., 1796; from Essex st. to Johonnot's wharf; same in 1817; included in Oxford st. in 1842.
- Peck's arch**, B., 1800; entrance of Savage's or Williams court from Cornhill (now Washington st.).
- Peirse's alley**, B., 1708; from King (now State) st. to Corn Market (now Faneuil Hall sq.), 1708; called Change alley, 1788; Fitch's alley, 1796; Peirce's alley, 1800; Pierce alley, 1817; Flagg alley, 1828; Change av., 1841.
- Pelham place**, B.; from Pelham st., near Shawmut av., north-east.
- \***Pelham street**, B., 1868; from Washington st. to Shawmut av.; name of S. Williams st. changed to Pelham st., Jan. 4, 1868.
- Pelton street**, W. Rox.; from Park st., north-easterly, near Anawan av.; same in 1874.
- Pemberton corner**, B; cor. Ann (now North) st. and Swing Bridge lane (now Merchants' row), 1708.
- Pemberton Hill**, B.; that part of Common (now Tremont) st. extending from its junction with Court st. and Howard st.; called Pemberton Hill, April 22, 1829; prior to 1835, south of Howard st. and west of Tremont st. between Somerset st. and Tremont row.
- Pemberton Hill street**, B.; opposite Hanover st., 1839.
- \***Pemberton square**, B., 1838; from Tremont st., westerly, then northerly and southerly, then westerly to Somerset st.; part running north and south formerly with park in centre; called Phillips pl. or sq. from Tremont st., west, opposite Court st., 1835; name changed to Pemberton sq., 1838; laid out, Oct. 16, 1877.
- \***Pemberton square**, B.; at the head of Cornhill contiguous to Court st. and Tremont st.; named Pemberton sq., Feb. 19, 1838; same called Scollay sq. on account of naming Phillips sq. Pemberton sq., June 25, 1838.
- Pemberton's corner**, B., 1708; cor. Dock sq. and Wing's lane (now Elm st.).
- Pembroke court**, B.; from Pembroke st., north-easterly, and then north-westerly and south-easterly; from Pembroke st., north, near Shawmut av., 1859.
- \***Pembroke street**, B., 1834; from Shawmut av. to Warren av.; laid out on the Neck, July 24, 1826; named from Tremont st. to Suffolk st. (now Shawmut av.), Sept. 15, 1834; accepted, Dec. 7, 1857; accepted west of Tremont st., Dec. 21, 1859; laid out as a public street from Tremont st. to Warren av., May 21, 1867; laid out between Columbus av. and B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; part west of Columbus av. named Berwick park, Dec. 21, 1869.
- Pembroke street**, Bri.; from Tremont st., near Newton line to said line; now wholly in Newton on account of change in boundary line.

- \***Penfield street**, W. Rox., 1892; from Brandon st. to Birch st.; Prospect st. laid out as Penfield st., Sept. 23, 1892.
- Penneman's corner**, B., 1708; cor. of Marlboro' (now Washington) st. and Summer st.
- Penryth street**, Rox.; from Pynchon st. (now Columbus av.) to Centre st.
- People's Ferry avenue**, B., 1854; from Commercial st., opposite Battery st., to the North Ferry; later called North Ferry av.; Battery st. extended to include same, Aug. 3, 1880.
- People's Ferry avenue**, E.B.; from Sumner st., opposite Border st., to North Ferry; Border st. extended to include same, Aug. 3, 1880.
- Peperell place**, So. B.; from Dorchester av., westerly, between W. Fourth st. and Division st.
- Pequot street**, Rox.; from Wait st. to Calumet st.
- Percival avenue**, Dor.; from Bowdoin st. to Fox av. (now st.); formerly from Church (now Bowdoin) st. to Fox av.; laid out as Percival st., March 21, 1888.
- Percival court**, } E.B.; from Orleans st., near Maverick st., north-westerly,  
**Percival place**, } then north-easterly.
- Percival square**, Dor., 1879; at junction of Bowdoin, Adams and Church sts.; laid out and named, April 7, 1879; named Eaton sq., June 1, 1880.
- \***Percival street**, Dor., 1888; from Bowdoin st., forming the south side of Eaton sq., to Fox av. (now st.); Percival av. laid out as Percival st., March 21, 1888.
- Percy place**, Rox.; from Roxbury st., northerly, nearly opposite Putnam st.
- Perham street**, W. Rox., 1874; from Baker st., crossing Mt. Vernon st., to West Roxbury Branch R.R.
- Perkins place**, Rox.; from Roxbury st., southerly, next west of Guild row; shown as Perkins st. on atlases.
- \***Perkins street**, B., 1853; from Congress st. to Pearl st.; avenue for foot-passengers laid out from Atkinson (now Congress) st. to Pearl st., nearly in line of continuation of Berry (now Channing) st., Jan. 30, 1826; passageway leading from between 67 and 69 Pearl st. to Atkinson st. named Perkins st., Sept. 12, 1853.
- \***Perkins street**, Rox. and W. Rox., 1825; from Centre st., at junction with Day st., to Brookline line; Connecticut lane laid out, Jan. 19, 1662; same laid out, 1762; named Perkins st., from Centre st. by Leonard Hyde's to Brookline line by the pond, May 9, 1825; lines established, Nov. 28, 1848; altered, etc., at junction with Prince st., Sept. 27, 1871.
- Perkins street**, W. Rox.; from Canterbury st. to Grew av.
- \***Perkins street**, Chsn.; from Cambridge st. to Somerville line; location of passageway reserved through Charlestown common altered and Perkins st. laid out, running north-westerly from Cambridge road, May 6, 1822; laid out with present bounds, Oct. 25, 1852.
- Perkins-street court**, W. Rox.; from Perkins st., north, near and east of Prince st.
- Perraway's alley**, B.; a name of N. Centre st. prior to 1708; later called Paddy's alley.
- \***Perrin street**, Rox.; from Moreland st. to Waverly st.; accepted, July 27, 1863.
- Perry court**, Rox.; from Hampden st.; name changed to Hampden pl., May 9, 1876.
- Perry place**, Chsn.; from Pleasant st., easterly.

- \***Perry street**, B., 1853; from Washington st. to Harrison av.; laid out, Dec. 22, 1853; named, Dec. 29, 1853.
- Perry street**, Chsn.; from Decatur st., north-westerly; formerly from Chelsea st. to and across Decatur st.; part between Chelsea st. and Decatur st. laid out as Dupont st., Aug. 29, 1890.
- Perry's wharf**, B.; from Lehigh st., south-easterly, adjoining Broadway.
- Persia street**, B., 1831; from Ann (now North) st. to Fulton st.; laid out and name changed to Ferry st., Aug. 1, 1842.
- Peter Parley road**, W. Rox.; from Forest Hills st. to Walnut av.; laid out as Peter Parley st., Aug. 28, 1891.
- \***Peter Parley street**, W. Rox., 1891; from Walnut av. to Washington st.; Peter Parley road, from Walnut av. to Forest Hills st., laid out as Peter Parley st., Aug. 28, 1891; extension laid out from Forest Hills st. to Washington st., Oct. 7, 1891.
- Peters street**, W. Rox.; from Neponset av., near Canterbury st.
- \***Peters street**, So. B., 1886; from E. Seventh st. to E. Sixth st., near N st.; laid out, July 31, 1886.
- Pevear court**, Rox.; from Dudley st., south-westerly, opposite Winslow st.; same called Pevear pl. and Pevear st.
- Phillips buildings**, B., 1817; on Kilby and Water sts.
- Phillips corner**, B., 1732; cor. of Cornhill (now Washington st.) and Water st.
- Phillips court**, B., 1843; south-west from Leverett st., between Spring st. and Ashland st., with two unnamed openings into Leverett st.; one of the openings called Leverett av., 1859.
- Phillips court**, B., 1866; from Phillips st., southerly, between Grove st. and W. Cedar st.; called Southac court, 1826; named Phillips court, 1866; on all recent atlases Southac court and Phillips court both appear.
- Phillips place**, B., 1829; from Tremont st., west, next north of Beacon st.; called Tremont pl., 1805; named Phillips pl., 1829; now built over.
- Phillips place or square**, B., 1835; from Tremont st., west, opposite Court st.; named Pemberton sq., 1838.
- Phillips place**, So. B.; from W. Fourth st., near and west of Dorchester av.
- Phillips place**, Dor.; from Dudley st., north-easterly, near and west of Belden st.
- \***Phillips square**, B.; junction of Harrison av., Essex st. and Chauncey st. named, April 4, 1894.
- \***Phillips street**, B., 1866; from Irving st. to W. Cedar st.; called Southac st., 1729; named Phillips st., Feb. 6, 1866.
- \***Phillips street**, Rox.; from Tremont st. to Ward st.; laid out from Tremont st. to Smith st., July 24, 1879; laid out from Smith st. to Ward st., July 3, 1883.
- Phipps avenue**, Dor.; from Blue Hill av. to Cedar (now Mascoma) st.
- Phipps corner**, B., 1708; cor. of Salem st. and Charles st.
- Phipps lane**, Chsn.; from Main st. to Old Burying Ground; same as Phipps st.
- Phipps place**, B., 1835; from Charter st., south-westerly, towards Hull st., nearly opposite Foster st.
- \***Phipps street**, Chsn.; from Main st., south-westerly, to Old Burying Ground; laid out, Oct. 17, 1839; accepted by Town, Nov. 11, 1839; called also Phipps lane.
- Phoenix place**, B., 1840; from Stillman st. to Cooper st.; closed.

- Phoenix place**, Rox. ; from 75 Hampden st., westerly.
- Pickering avenue**, } Rox. ; from Walnut av., south-easterly, between Rock-  
**Pickering place**, } land st. and Dale st.
- Pickering place**, B. ; from Rowe st., west, 1847-48 ; can not be now identified.
- Pickering place**, So. B. ; from E. Fifth st., southerly, between L st. and M st.
- \***Piedmont street**, B., 1824 ; from Pleasant st. to Ferdinand st. ; from Pleasant st., to the water, 1824 ; extended to Ferdinand st., 1868 ; laid out, Sept. 25, 1868.
- †**Pierce avenue**, Dor. ; from Adams st., north-easterly, crossing Plain st. towards Neponset av. ; laid out in part (probably between Newhall st. and Plain st.), March 1, 1869.
- Pierce place**, Dor. ; from Hancock st., south-westerly, opposite Jerome st.
- Pierce's or Peirse's alley**, B. ; now Change av. ; see Peirse's alley.
- Pierpont street**, Rox. ; from Prentiss st. to Station st. parallel with B. & P. (now N.Y., N.H. & H.) R.R. ; laid out, Oct. 10, 1892 ; discontinued, Jan. 4, 1895.
- Pike alley**, B., 1845 ; from Poplar st., south-westerly, north-westerly, then north-easterly, by two openings into Poplar st. again ; rear of the south side of Poplar st., near Chambers st. ; opening near Spring st. now called Farwell av.
- Pike street**, Rox. ; from Albany st. to Fellows st.
- Pilgrim place**, Dor. ; from Richfield st., north-easterly, between Columbia st. and Norton st.
- Pilgrim street**, Rox. ; from Punch Bowl road (now Brookline av.) to Longwood creek and that portion of bridge over creek within Roxbury limits near Oakland pl. ; money borrowed to build, Sept. 7, 1857 ; included in Longwood av. as laid out by County Commissioners, June, 1857.
- Pinckney lane**, B., 1835 ; from Pinckney st. to Mt. Vernon st. ; named Mt. Vernon av., 1846.
- \***Pinckney street**, B., 1803 ; from Joy st. to Charles River ; from Belknap (now Joy) st. to Charles st., 1803 ; confirmed as a public street, Sept. 15, 1834 ; extended west of Charles st., Oct. 31, 1865.
- Pine Grove terrace**, Rox. ; from 261 Heath st.
- Pine Island**, Rox. ; north-east of Swett st. at Roxbury Point.
- Pine place**, B., 1844 ; from Pine st. to Oak pl. ; closed.
- \***Pine street**, B., 1822 ; from Washington st. to Harrison av. ; lines established, May 31, 1802 ; named Pine st., March 13, 1822 ; established as a public street of city, May 25, 1840.
- Pine street**, W. Rox. ; from Albion (now Sycamore) st. to Brown av., 1874 ; laid out, from Brown av. to Sherwood st., with name of Ridge st., April 9, 1888, and from Sherwood st. to Sycamore st., Oct. 3, 1891.
- Pine street**, Chsn. ; from Bunker Hill st. to Bainbridge st. ; same in 1875.
- Pit's corner**, B., 1732 ; corner Ann (now Commercial) st. and Fish market (now N. Market st.).
- Pitts alley**, B. ; from Pitts st., north-westerly ; sometimes called Pitts pl.
- Pitts court**, B., 1820 ; from Pitts st., north-westerly, near Green st.
- Pitts lane**, B., 1733 ; from Green st. to the Mill-pond ; named by Selectmen in 1788 ; named Pitts st., 1820,
- Pitts place** } B., 1833 ; from Pitts st., north-westerly, near S. Mar-  
**Pitts-street place**, } gin st.

- \***Pitts street**, B., 1820; from Green st. to Merrimac st.; Pitts lane, from Green st. to the Mill-pond, 1733; filling begun, Sept. 30, 1807; named Pitts st., 1820.
- \***Plain street**, Dor.; from Chickatawbut st. to Pierce av.; laid out as Snow's court, June 5, 1867; located from Chickatawbut st. to Pierce av., March 2, 1868.
- Platt's corner**, B., 1708; at the southerly end of Union st.
- Pleasant place**, B.; from Mahan pl., southerly, and by two exits, westerly, into Pleasant st.; see Pleasant-st. pl.
- Pleasant place**, Dor.; from Savin Hill av., north, near and west of Dorchester av.
- Pleasant place**, So. B.; from E. Seventh st., south, between L st. and M st.; formerly called Mechanics pl.
- \***Pleasant street**, B., 1743; from Washington st., opposite Broadway, to Park sq.; from Orange (now Washington) st., north-westerly, to the Common, 1743; laid out by George Tilley on his own land; accepted and recorded as a town st., May 5, 1773; from Orange st. by the South Writing School, through what was called Tilley's land to the bottom of the Common and to Frog lane (now Boylston st.), 1788; altered between Providence st. and Boylston st., May 13, 1850.
- Pleasant street**, Dor.; from South st. to Union st., at Commercial Point.
- \***Pleasant street**, Dor., 1840; from Freeport st. to E. Cottage st. at Town Meeting sq.; street from Stoughton Hall over the plain to Downer's named Pleasant st., March 11, 1840.
- Pleasant street**, W. Rox.; from Montgomery st. to Webster st., near and parallel with Spring st.; same in 1874.
- Pleasant street**, W. Rox.; from Mt. Vernon st. to Dent st., near and parallel with West Roxbury Branch R.R.; same in 1874.
- \***Pleasant street**, Chsn.; from Main st. to High st. at Monument sq.; part of conveyed to Town, May 7, 1793; accepted from Back (now Warren) st. to High st., June 6, 1823.
- Pleasant street**, Chsn., 1819; from Summer st. to Bunker Hill st.; conveyed to Town by Oliver Holden, July 17, 1819, as Pleasant st.; called N. Pleasant st. when name was changed to Pearl st., July 7, 1845.
- Pleasant street**, Bri.; from Franklin st. to Everett st.; laid out by Selectmen, Dec. 16, 1873; laid out as Holton st., Aug. 2, 1887.
- Pleasant-street court**, B.; from Pleasant st., near Shawmut av., north-easterly.
- Pleasant-street court**, B., 1829; from Pleasant st. to Church st.; name changed to Berlin st., 1857; Tennyson st. extended through Berlin st., 1869.
- Pleasant-street court**, Chsn.; from Pleasant st., north-easterly; same in 1875.
- Pleasant-street place**, B., 1846; from Pleasant st., east; northerly end called Pleasant pl.
- Plummer place**, So. B.; from Middle st., south-easterly, towards Alger st.
- Plymouth court**, Rox.; from 979 Harrison av., north-westerly, near Hunneman st.; same given as Hunneman court on atlas, 1884.
- Plymouth place**, B., 1825; from Front st. (now Harrison av.), west, to Newton pl.; laid out with Newton pl. as Knapp st., May 14, 1879.
- Plymouth street**, B., 1800; from Summer st. to Short lane or st. (now Kingston st.), 1800; laid out and made, from Summer st. to Pond (now Bedford) st. and accepted by Town and named Plymouth st., May 13, 1800; called Kingston st. at same date and since.

- Plymouth street**, B. and Rox., 1825; from Northampton st. to Roxbury line, 1825; laid out from Eustis st. to Boston line to meet Plymouth st. there, and accepted by Town, Dec. 16, 1833; part in Boston accepted and name changed to Harrison av., Aug. 9, 1859; no record of change of name of part in Roxbury.
- Plymouth street**, So. B.; name changed to Preble st., Aug. 7, 1855; (Preble st. from Dorchester av. to Liberty st. and later extended to Vinton st.).
- \***Plymouth street**, Rox.; from Longwood av. to Bernier st.; laid out, June 22, 1894.
- Plymouth street**, Dor.; from Freeport (formerly Commercial) st. to Neponset st.; formerly from Commercial st. to Pleasant st. at Commercial Point.
- Plympton court**, B., 1844; from Lenox st., south, near Shawmut av.; laid out, from Lenox st. to Sawyer st., with name of Parnell st., Sept. 8, 1880.
- \***Plympton street**, B., 1849; from Harrison av. to Albany st.; named from Harrison av. to a dock in South Bay, May 14, 1849; accepted, Oct. 30, 1860.
- Point Shirley**, B.; formerly a part of Boston and anciently called Pullen point; see Suffolk Deeds 48-136, Feb. 22, 1733.
- \***Polk street**, Chsn.; from Bunker Hill st. to Medford st.; laid out and accepted, July 2, 1867.
- Pollard's corner**, B., 1708; corner of Brattle st. and Hillier's lane (now Brattle st.).
- †**Pomeroy street**, Bri., 1887; from Gordon st. to west of Saunders st.; Orchard st., from Gordon st. to Saunders st., laid out as Pomeroy st., June 9, 1887.
- Pomfret street**, W. Rox.; from Corey st. to Maple st.
- Pond avenue**, W. Rox.; from Perkins st. to Brookline line; laid out by County Commissioners from Perkins st. passing over a part of Chestnut st., through Brookline to Mill-dam or Punch Bowl road in Roxbury, Nov., 1867; part now called Chestnut st. and part now in Riverway.
- Pond place**, B.; from Endicott st., easterly, north of Cooper st.; from Pond (now Endicott) st., 1833; called Endicott-st. pl., 1837-42.
- Pond street**, B., 1708; from Newbury (now Washington) st. to Blind (sometimes called Pond) lane, 1708; extended to Summer st., including Blind lane, 1803; name changed to Bedford st., Feb. 7, 1821.
- Pond street**, B., 1814; from junction Hanover st. and Salem st. to Charlestown bridge; called Mill lane, from Middle (now Hanover) st. to the Mills, 1805; laid out, May 26, 1806; laid out over the Mill-pond, Aug. 3, 1807; called Mill-pond st., from Mill lane to Prince st., 1807; lands exchanged for building (Pond st.), 1808; from Hanover st. to Charlestown bridge, 1814; altered in northerly part, 1828; name changed to Endicott st., June 13, 1836.
- \***Pond street**, Dor.; from Dorchesterway to E. Cottage st.; formerly from Boston st. to Dorchester av.; named from Five corners (now Edward Everett sq.) by the Great pond, to Mr. Moseley's, March 11, 1840; located, etc., Feb. 8, 1847; part between Pleasant st. and Dorchester av. changed to E. Cottage st., March 1, 1893; part near Boston st. taken into Dorchesterway.
- \***Pond street**, W. Rox., 1825; from Centre st. to Brookline line; named by Town, May 9, 1825; probably a public highway some time previous; County road from Roxbury to Brookline; altered, etc., April, 1838, and Sept., 1839.
- Pond-street place**, B., 1833; from Endicott st., east, near and north of Cooper st.; from Pond (now Endicott) st., 1833; called Endicott. st.-pl., 1837-42; now Pond pl. or Pond-st. pl.



- Pontiac street**, Rox.; from Alleghany st. to Hillside st.; authority to open given by Street Commissioners, April 12, 1894.
- †**Pontine street**, Dor.; from Norfolk av., crossing Batchelder st.; laid out from Norfolk av. to Batchelder st., Dec. 30, 1893.
- Pope court**, } E.B.; from Pope st. to railroad, near and north-east  
**Pope-street court**, } of Curtis st.
- †**Pope street**, E.B.; from junction Saratoga st. and Swift st. to Addison st.; accepted at junction of Pope st. and Saratoga st., Nov. 1, 1858; accepted between Saratoga st. and Moore st., Dec. 10, 1861.
- \***Pope's Hill street**, Dor., 1882; from Neponset av. to Commercial (now Freeport) st.; Clay st. laid out as Pope's Hill st., Dec. 8, 1882.
- Pope's wharf**, B.; from Albany st., easterly, near and north of Dover st.
- Poplar avenue**, B., 1859; from Poplar st., northerly, between Auburn st. and Charles st.; called also Auburn av.; included in Auburn st., Sept. 1, 1879.
- Poplar avenue**, B.; from Poplar st., northerly, between Auburn st. and Charles st.
- Poplar court**, B.; from Poplar st., south-westerly, into Spring-st. court; from Poplar st., southerly, near Kennard st., 1844.
- Poplar place**, B.; from Poplar st., north-easterly, near and east of Spring st.; same in 1840.
- \***Poplar street**, B., 1800; from Chambers st. to Charles st.; new street west of Jeffrie and Russell's ropewalk, from Wiltshire (now Chambers) st. to the water, named Poplar st., Feb. 12, 1800; to Brighton st., 1820; from Chambers st. to N. Charles st., 1859.
- \***Poplar street**, W. Rox., 1825; from Washington st. to Hyde Park line; named from South st., near Taft's, across the turnpike, by Noah Davis' to Clapboard Hill, May 9, 1825 (from South st. to Beech st.); probably laid out as a highway some time previous; laid out by John Whittemore's land, near the Red Gate in line of old cart-path, to near Joseph Bailey's barn, Dorchester, at road from Lower Mills to Dedham, Dec., 1835; part between junction of Canterbury st. and Beech st. known as Sowden's Hill, 1859.
- Porcelain place**, B.; from Poplar st., south-west, between Charles st. and Brighton st.; same in 1866.
- Porter place**, E.B.; from 134 Porter st., between Chelsea st. and Bremen st.
- \***Porter street**, B., 1838; from Pleasant st. to Indiana pl. (now Corning st.); from Pleasant st., west, 1838; to Indiana pl., 1853; extended to Indiana pl., Dec. 1, 1857; accepted, Aug. 28, 1861.
- \***Porter street**, E.B.; from Central sq. to Bremen st., with proposed extension to (proposed) Front st.; accepted, from Central sq. to Chelsea st., June 3, 1856; accepted from Chelsea st. to Bremen st., Sept. 17, 1857; extended through land of Boston & Worcester (now B. & A.) R.R. Co., Dec. 1, 1857.
- \***Porter street**, Rox., 1866; from Highland st. to Lambert av.; accepted and named, Oct. 29, 1866; name changed to Milmont st., April 21, 1868.
- \***Porter street**, W. Rox.; from Boylston av., southerly, to Bismarck st.; laid out from Boylston av., Dec. 13, 1876; extension to Bismarck st. laid out, June 16, 1892.
- Portland place**, B.; 1820; from Portland st., north-easterly, between Hanover st. and Sudbury st.; now built over.
- \***Portland street**, B., 1807; from Hanover st. to Causeway st.; called Cold or Cole lane, from Hanover st. to the Mill-pond, 1708; laid out and called Portland st., 1807; continued into the Mill-pond, Aug. 3, 1807; laid out across the Mill-pond to Causeway st., 1807.

- \***Portland street**, B., 1842; from State st. to Chatham st.; Chatham row laid out near the head of Long wharf, May 9, 1827; called Portland st., 1842; renamed Chatham row, July 3, 1848.
- \***Portsmouth street**, Bri.; from Lincoln st. to Waverley st.; laid out, Nov. 2, 1893.
- †**Posen street**, Rox.; from Minden st., south-easterly, crossing Arklow st., also from Posen st., easterly, parallel with Minden st.; part of Heath pl. laid out, from Minden st. to Arklow st., with name of Posen st., Nov. 16, 1881.
- Post Office avenue**, B., 1849; from Congress st., easterly, between State st. and Exchange pl.; called Congress court, 1826; named Post Office av., 1849.
- \***Post Office square**, B., 1874; at junction of Congress, Pearl, Milk, Bath and Water sts.; parcel of land between proposed extension of Pearl st., Congress st. and Milk st. laid out as a public street, April 18, 1873; area included between Water, Milk, Congress and Pearl sts. named Post Office sq., Dec. 28, 1874.
- \***Powell street**, W. Rox.; from Summer st. at Spring-st. station, parallel with railroad, to Cass st.; laid out, Dec. 10, 1883.
- †**Power street**, So. B.; from Boston st. to Dorchester av.; portion laid out eastwardly from Boston st., Dec. 24, 1875.
- Power's court**, B.; from North st., westerly, between Salutation st. and Hanover av.; same in 1825; called also Ann-st. court, 1830; called Powers (or Powar's) court again, 1840; now Powers court.
- Powning's corner**, B., 1708; cor. Dock sq. and Crooked (afterwards Wisconsin's) lane (now Devonshire st.), 1708.
- Pratt court**, Rox.; from Weston st., south-westerly, near and west of Cabot st.
- Pratt street**, Dor.; from Ballou av. to Lauriat av.
- \***Pratt street**, Bri.; from Linden st. to Ashford st.; given on chart 1875 as "street" from Linden st., easterly, towards B. & A. R.R., parallel with Ashford st.; on chart of Boston, 1882, same called Pratt st.; laid out from Linden st. to Ashford st., May 9, 1887.
- \***Preble street**, So. B.; from Dorchester av., easterly, then north-easterly, to Vinton st. at O.C. (now N.Y., N.H. & H.) R.R.; name of Plymouth st. changed to Preble st., Aug. 7, 1855; laid out from Dorchester av. to Rogers st., Oct. 22, 1879; portion from Vinton st. laid out, Feb. 7, 1881; laid out east of Rogers st. to connect with last named part, Oct. 22, 1890.
- Prentice's corner**, B., 1800; cor. of Dock sq. and Hillier's lane (now Brattle st.).
- Prentice's wharf**, B.; from Atlantic av., south-easterly, near and south of Congress st.; now built over.
- Prentiss place**, Rox.; from Linden-Park st., northerly, between Cabot st. and Lamont st.; formerly called Linden pl.
- \***Prentiss street**, Rox.; from Tremont st. to Parker st.; laid out, Dec. 30, 1869.
- Presby place**, Rox.; from Winthrop st., north-easterly, near and west of Blue Hill av.
- Prescott place**, B., 1849; from Washington st. southeast, between E. Lenox st. and Thorndike st.; named, May 14, 1849; Prescott pl., from Washington st. to Reed st., laid out and name changed to Newcomb st., Sept. 8, 1874.
- Prescott place**, Rox.; from Prescott st., north-westerly, between Eustis st. and Hampden st.
- Prescott place**, Dor.; from Winter st. to Church st.

- \***Prescott square**, E.B., 1875; between Eagle, Trenton and Prescott sts.; named, Nov. 23, 1875.
- †**Prescott street**, E.B.; from Eagle st. to Boston, Revere Beach & Lynn R.R.; accepted from Chelsea st. to Bremen st., Nov. 26, 1861; laid out from Trenton st. to Eagle st., Sept. 27, 1873; authority to open part from near Orleans st. to Boston, Revere Beach & Lynn R.R. given by Street Commissioners, April 21, 1893.
- \***Prescott street**, Rox; from Eustis st., north-easterly, then easterly to Hampden st.; laid out, May 16, 1873.
- \***Prescott street**, Chsn., 1836; from junction of Devens st. and Harvard st. to Washington st.; name of Middlegate st. changed to Prescott st., Dec. 5, 1836.
- Prescott-street avenue**, Chsn.; from Bow (now Devens) st. to Prescott st.; same given, but unnamed in 1884.
- Preston court**, Dor.; from Gibson st., northerly, to Tenean creek, between Adams st. and Brook st.
- \***Preston street**, Dor.; from Mill st. to Freeport st.; formerly from Mill st. to Pleasant st.; from Mill st. to Commercial (now Freeport) st. located, March 20, 1861; from Freeport st. to Pleasant st. now called South st.
- Price avenue**, Dor.; (proposed) from Blue Hill av. to Franklin Field.
- Primus avenue**, B., 1871; from Phillips st., southerly, near and east of W. Cedar st.; called Wilberforce pl., 1843; named Primus av.; 1871.
- \***Prince street**, B., 1708; from North sq. to Causeway st., opposite Charles River bridge; called Black Horse lane from Middle (now Hanover) st. to Charlestown Ferry, 1698; highway laid out at lower end of Black Horse lane, Jan. 25, 1702; from Middle st. to the salt water at the Ferry-way called Prince st., 1708; highway at lower end of Black Horse lane, now Prince st., widened and continued to low-water mark, March 2, 1721; commonly called Blackhorse lane in 1800; extended from Hanover st. to North sq., including parts of Bell alley and Garden-court st., July 11, 1833.
- Prince street**, B.; Lyman st., so called prior to 1812.
- \***Prince street**, W. Rox.; 1855; from Pond st. to Perkins st.; laid out from road to Jamaica Plain Meeting-house to road from Roxbury through Brookline, Sept., 1828; called Cottage st. on map, 1849; name of Cottage st. changed to Prince st., April 2, 1855; altered, etc., at junction with Perkins st., near Jamaica pond, Sept. 27, 1871.
- Prince-street avenue**, B., 1833; from N. Bennet st. to Prince st.; called School alley, 1732; Grammar alley, 1795; named Prince-st. av., 1833; name changed to Bennet av., 1839.
- Princeton place**, E.B.; from Princeton st., south-easterly, between Prescott st. and Putnam st.
- \***Princeton street**, E.B.; from Meridian st. to Eagle sq.; accepted and laid out, Aug. 2, 1852; accepted and laid out, Dec. 18, 1855; accepted at junction Princeton st. and Chelsea st., Nov. 1, 1858.
- \***Princeton street**, Chsn.; from Lexington st. to Tufts st.; part of Tufts st. leading from and running at right angles with Lexington st. called Princeton st., Oct. 6, 1851; laid out as a public way, July 13, 1863.
- Princeton-street court**, Chsn.; from Princeton st.; extended to Medford st. and laid out as Stone st., June 13, 1871.
- Prison lane**, B., 1722; from Queen (now Court) st., south; probably the present east entrance of Court sq.
- Proctor court**, Dor.; from Franklin court, northerly, between Massachusetts av. and Norfolk av.
- Proctor street**, W. Rox.; from Fairview st. to Walter st.

- \***Proctor street**, Rox.; from Adams street to East (now Hampden) st.; accepted, March 7, 1853; named changed to Eustis st., April 21, 1868.
- \***Proctor street**, Rox., 1886; from Massachusetts av. to Norfolk av.; laid out from E. Chester park (now Massachusetts av.) to Norfolk av., July 17, 1886.
- Proctor's lane**, B., 1789; from Middle (now Hanover) st. to Fish (now North) st.; called Wood lane, 1708; named Proctor's lane, 1789; dock at bottom of Proctor's lane filled up, the Town to continue the passageway always open as any other public street, May 1, 1799; Richmond st. extended through it, July 6, 1824.
- Proprietor's way**, Bri., 1814; from Washington st. to South st.; Seaver lane, 1842; later named Foster st.
- \***Prospect avenue**, W. Rox.; from Sycamore (formerly Albion) st. to Brown av.; laid out from Brown av. to Sheldon st., Nov. 23, 1878, and from Sheldon st. to Sycamore st., Oct. 13, 1891.
- Prospect avenue**, } Chsn., from Prospect street, easterly, near Chelsea st.  
**Prospect place**, }
- Prospect court**, B.; from S. Margin st., near Prospect st., 1849.
- Prospect lane**, B.; now Prospect st.
- \***Prospect street**, B.; from Merrimac st. to Lyman st.; from Leverett pl. (now Lyman st.) to the Mill-pond, 1812; afterwards to Merrimac st.; formerly called Prospect lane; accepted conditionally, Sept. 10, 1827.
- Prospect street**, Rox.; from Parker st. to High st. (now Parker Hill av.), 1849; name changed to Fisher av., April 21, 1868 (Fisher av. from Parker st. to Parker Hill av.).
- Prospect street**, Dor.; from Norfolk st. to Milton av.; laid out as Edson st., Sept. 6, 1888.
- Prospect street**, W. Rox.; from Charles st., north-easterly, to B. & P. (now N.Y., N.H. & H.) R.R., then north-westerly, to Spring st.
- Prospect street**, W. Rox.; from Maple (now Birch) st. to Brandon st.; given on chart, 1884, as part of Birch st.
- \***Prospect street**, Chsn.; from Chelsea st. to Tremont st.; laid out and accepted, Aug. 18, 1869; part of discontinued and new street laid out, April 12, 1870.
- Prospect street**, Bri.; Allston st. laid out from N. Beacon st. (now Brighton av.) to junction with a street formerly called Prospect st., near house of T. F. Frobisher, June, 1870.
- \***Providence street**, B., 1846; from Columbus av. at Park sq. to Clarendon st.; the flats deeded to City by Boston and Roxbury Mill Corporation, Nov., 1826; old way discontinued, April 27, 1846; new street east of the empty basin south of extension of Boylston st. and north of depot of B. & P. (now N.Y., N.H. & H.) R.R., named Providence st., May 4, 1846; extended from the bend opposite Arlington st. to Berkeley st., over land of Boston Water Power Co. and B. & P. R.R. Co., May 9, 1865; from Church st. to Berkeley st. discontinued, Dec. 10, 1866, and reconsidered, Dec. 13, 1866; part from Berkeley st. to Clarendon st. laid out, Oct. 22, 1885.
- Province court or** } B.; from Province st., easterly, towards Wash-  
**Province House court**, } ington st., then southerly, crossing end of  
 Ordway pl.; from Washington st. through the archway in front of the  
 called Old Province House, to Province st., 1825.
- Province House row**, B., 1817; in Marlboro' (now Washington) st., in front of Old Province House; named and numbered, Oct. 8, 1817; so to avoid renumbering street.
- \***Province street**, B., 1833; from School st. to Bromfield st.; called Governor's alley, 1732; named Montgomery st., 1833; name of Governor's alley changed to Province st., June 10, 1833; same confirmed as a public way, Sept. 15, 1834.

- Public Garden, B.;** between Charles, Boylston, Arlington and Beacon sts.; the west side of Charles st., between Beacon st. and Boylston st., 1837.
- Pudding lane, B.,** 1708; from King (now State) st. to Water st., "Pudden lane" after the fire enlarged into a street named Devonshire st., April 20, 1766.
- Pulaski avenue, So. B.;** from Athens st. to W. Third st., between F st. and Dorchester st.
- Pulling's corner, B.,** 1784; cor. of Ann (now North) st. and Cross st.
- Pullen Point, B.;** old name for Point Shirley (see Suffolk Deeds, 48-136, Feb. 22, 1733).
- Purchase place, B.,** 1827; from Purchase st., north, between Pearl st. and Gibb's lane (now Oliver st.); included in Hartford st., July 23, 1869.
- \*Purchase street, B.,** 1747; from Broad st. at its junction with High st. to Summer st.; called Belcher's lane, 1708; from Summer st. to Tilley's lane (now Gridley st.), 1747; from Summer st. to Batterymarch (now Broad) st., 1800; from Summer st. to India wharf, 1817.
- Puritan avenue, Dor.;** from Richfield st., south-westerly.
- Putnam place, Rox.;** from Roxbury st., south-westerly, then westerly, to Putnam st.; name of Suffolk pl. changed to Putnam pl., May 31, 1870 (same part given as Suffolk pl. on recent chart).
- \*Putnam square, E. B.,** 1875; between White, Trenton and Putnam sts., Nov. 1, 1858; named, Nov. 23, 1875.
- †Putnam street, E. B.;** from Condor st. to Bremen st. with proposed extension to (proposed) Front st.; accepted from Condor st. to Chelsea st., 1856; accepted from Chelsea st. to Bremen st., 1861.
- \*Putnam street, Rox.;** from Roxbury st. to Dudley st.; accepted, Oct. 7, 1850, and March 3, 1851.
- \*Putnam street, Chsn.;** from Henley st. to Common st.; accepted, from turnpike (now Chelsea st.) to houses of Robbins and Tapley, near Training Field, May 6, 1822.
- Putnam street, Br.,** 1875; (proposed) from Griggs st. at Massachusetts (now Commonwealth) av., south-westerly, towards Warren st.
- \*Pynchon street, Rox.,** 1868; from Tremont st. to junction Heath st. and Centre st.; laid out as Lowell st. from road near Guy Carleton's Factory in southerly direction to old Boston & Providence railroad near Hog bridge. Sept., 1833; name of Lowell st. changed to Pynchon st., April 21, 1868; all of Pynchon st. included in Columbus av., Jan. 4, 1895.
- \*Q street, So. B.;** from harbor near E. Second st. to harbor south of E. Sixth st., with proposed extension of to E. First st.; laid out and named from salt water on the south to Harbor of Boston on the north, Feb. 27, 1805; laid out from low-water mark north of First (now E. First) st. to harbor line in Dorchester Bay, Nov. 17, 1868; part south of E. Sixth st. now included in Marine Park.
- Quaker lane, B.,** 1708; from King (now State) st. to Water st.; called also Leveret's lane; with Dalton st. named Congress st., Jan. 22, 1800.
- Queen street, B.,** 1708; from Cornhill (now Washington st.), opposite State st., to Hanover st.; name changed to Court st., 1784.
- Queen street, Dor.;** from King st., south, between Neponset av., and Train st.
- Quiet place, B.,** 1849; from Purchase st. to Broad st. (now Atlantic av.), near Belmont (now Oliver) st.; called Ingersoll pl., 1847; built over prior to 1879.

- Quincy court**, B. ; from North st., south-easterly, near Richmond st. ; same in 1857 ; called on map, Quincy st.
- Quincy lane**, B., 1822 ; from Broad st. to Hamilton st. ; called Hamilton av. in 1823 ; closed in 1836.
- Quincy place**, B., 1812 ; from High st., north, near Washington (now Fort Hill) sq. ; laid out and extended to Pearl pl. (now Wendell st.), Dec. 15, 1873 ; name changed to Hartford st., being a continuation of the same, Feb. 28, 1882.
- Quincy place**, Rox. ; from Quincy st., southerly, opposite Tupelo st.
- Quincy place**, Chsn. ; from Quincy st., north-westerly, near Medford st.
- Quincy row**, B. ; from Clinton st. to S. Market st. ; laid out, with name of Mercantile st., Dec. 19, 1879.
- Quincy street**, B. ; from North st., south-easterly, near Richmond st. ; same called Quincy court in Directory and Records.
- Quincy street**, So. B. ; name changed to Bowen st., April 21, 1868.
- \***Quincy street**, Rox. and Dor. ; from Warren st. to Bowdoin st. ; part in Roxbury, from Warren st. to Grove Hall (now Blue Hill) av., laid out as S. Dennis st., Jan. 19, 1662 ; confirmed, May 17, 1697 ; named Quincy st., Oct. 13, 1856 ; part in Dorchester closed by Selectmen, March 1, 1865 ; extended from Columbia st. to Bellevue st., Nov. 15, 1870 ; laid out from Blue Hill av. to Columbia st., Sept. 29, 1871 ; name of that part of Bellevue st. which was a continuation of Quincy st. to Bowdoin st., changed to Quincy st., March 1, 1886.
- Quincy street**, Chsn. ; from Bunker Hill st. to Medford st. ; same in 1875.
- Quint avenue**, Bri. ; from Brighton av., south-west, near Allston st.
- Radcliffe road**, Dor. ; from Randolph road, south-west, to Hyde Park line.
- Railroad avenue**, W. Rox. ; from the end of Willow st., south-westerly, between Centre st. and the railroad, near Highland station.
- Rainsford street**, B. ; Rainsford's lane so called in City Records, July 6, 1824, when made a part of Front st. (now Harrison av.).
- Rainsford's corner**, B. ; cor. of Charter st. and North st., 1708 ; called Rainsford's corner, 1732.
- \***Raleigh street**, Rox. ; from Beacon st. to near Charles River ; laid out, Nov. 11, 1890.
- Raleigh street**, Dor. ; from Glen road to Greenwood st. ; authority to open given by Street Commissioners, March 28, 1893.
- Ramsey street**, Dor. ; from Dudley st. to Hamlet st., at Upham's corner.
- Ramsey place**, Dor. ; from Ramsey st., north-west.
- Rand place**, Rox. ; from Rand st., east, nearly opposite Fairbury street.
- Rand square**, Rox. ; from Rand (the part now Julian) st., easterly ; now a part of Julian st.
- \***Rand street**, Rox. ; from Blue Hill av., nearly opposite Clifford st., easterly, southerly, south-westerly, to Brookford st. ; name of Bismarck st., from Blue Hill av., changed to Rand st., Dec. 30, 1871 ; laid out about 340 feet easterly from Blue Hill av., March 27, 1882 ; name changed to Julian st., March 1, 1892 ; part from Blue Hill av., opposite Woodbine st., easterly, laid out as part of Brookford st., July 6, 1883.
- Randall street**, Rox. ; from Harrison av. to Fellows st.
- Randlett place**, Rox. ; from Brookford (formerly Rand) st., southerly.
- Randolph road**, Dor. ; from River st. to Oakland st., nearly parallel with Hyde Park line ; formerly Bird lane.
- \***Randolph street**, B. ; from Harrison av. to Albany st. ; same in 1870 ; laid out, Feb. 14, 1884.

- Randolph terrace**, Dor. ; from Beale st. to Van Winkle st., near Shawmut Branch R.R.
- Ransford's lane**, B., 1708 ; from Essex st. to Beach st., and so down to the sea, 1708 ; Rainsford's lane, from Essex st. to Beach st., 1800 ; Rainsford st. included in Front st. (now Harrison ave.), July 6, 1824.
- Ransom court**, B. ; from Cotting st., south-easterly ; same in 1859 ; called Ransom st. on plan.
- Ransom road**, Dor. ; from Randolph road, south-west, to Hyde Park line.
- Rasford's corner**, B. ; cor. Essex st. and Ransford's lane (now Harrison av.), 1708.
- Ravenswood park**, W. Rox. ; from Glen road, south-westerly, near Walnut av., 1853 ; now in Franklin Park.
- Ravine lane**, Bri. ; from Englewood av. to Roxbury av. (now Sutherland road) ; afterward Elm st. ; now part of Strathmore road.
- \***Rawson street**, So. B. ; from Boston st. to Dorchester av. ; formerly Jackson st. ; laid out, Dec. 29, 1892.
- Rawson's lane**, B. ; from Marlborough (now Washington) st. to the Common, 1708 ; from Marlborough st. to Common (now Tremont) st., 1732 ; called Bromfield's lane, 1796 ; named Bromfield st., Nov. 10, 1828.
- \***Ray street**, Rox. ; from Regent st., north-westerly, then north-easterly, crossing Hulbert st. ; laid out from Regent st. to Hulbert st., Nov. 6, 1882 ; same called Roy st. in 1884.
- Raymond street**, Rox. ; from Lamartine st. to Gilbert st. (now Chestnut av.) ; now a part of Mozart st.
- \***Raymond street**, Bri. ; from Franklin st. to Everett st. ; formerly Vernon st. ; laid out, July 29, 1884.
- Raymond street**, W. Rox. ; from south-east of Dunbar st. to Joy st. near Brookline line.
- Raymond's corner**, B. ; cor. Orange (now Washington) st. and Frog lane (now Boylston st.), 1800.
- Read street**, Dor. ; from Glen road to McLellan st. ; called Read av. on plan, 1884.
- \***Reading street**, Rox. ; from Kemble st. to Swett st. ; name of Reed st. changed to Reading st., July 28, 1874 ; called Reed st. on plan 1884 ; laid out from Kemble st. to Swett st., June 23, 1891.
- †**Reed street**, B. and Rox. ; from Northampton st. to Hunneman st. ; from Northampton st. to Roxbury line, 1855 ; laid out from Northampton st. to south-westerly line of Thorndike st. extended, Sept. 8, 1874 ; portion discontinued, Sept. 23, 1875.
- Reed street**, Rox. ; from Kemble st. to Swett st. ; shown on map, 1849, from Island st. to Swett st. ; name changed to Reading st., July 28, 1874 ; a portion of Kemble st. from Reading st. to Hampden st. was once called Reed st.
- \***Reed's court**, Rox. ; from Yeoman st. to Ambrose st. ; from Yeoman st., south-westerly, 1873 ; laid out and extended to Hartopp pl. (now Ambrose st.), Feb. 25, 1875.
- \***Reedsdale street**, Bri. ; from Brighton av. to Linden st. at Commonwealth av. ; laid out, Aug. 13, 1886.
- Regent court**, Rox. ; from Circuit st., north-westerly.
- Regent place**, Rox. ; from Regent st., north-westerly.
- Regent road**, Dor. ; from Oakland st. to Randolph road.
- Regent square**, Rox. ; from Regent st., south-easterly, between Circuit st. and Rock st.

- \*Regent street**, Rox.; from Warren st. to Dale st.; part between St. James st. and Alpine st. accepted conditionally, July 29, 1867; laid out from Warren st. to Circuit st., Jan. 2, 1873; extended from Circuit st. to Dale st., May 26, 1881.
- Reims place**, Rox.; from Ward st., north-easterly, near N.Y., N.H. & H. R.R.
- \*Remington street**, Dor.; from Centre st. to Nixon st.; laid out, June 23, 1885.
- Rena street**, Bri.; from Western av., south-easterly, then south-westerly, to N. Harvard st.
- Renfrew court**, Rox.; from Renfrew st., south-westerly.
- Renfrew court**, Rox.; from Harrison av., north-westerly and northerly, to the end of Renshaw court (plan, 1873); now part of Renfrew st.
- Renfrew place**, Rox.; from Renfrew st., south-westerly.
- Renfrew road**, Bri.; from Commonwealth av. to Sidlaw road; authority to open given by Street Commissioners, Oct. 1, 1891.
- \*Renfrew street**, Rox.; from Eustis st. to Winslow st.; name of Brewster st. changed to Renfrew st., April 20, 1869; laid out from Eustis st. to Winslow st., Dec. 16, 1870; parts between Eustis st. and Harrison av. laid out on plan, 1873, as Renfrew court and Renshaw court.
- Renshaw court**, Rox.; from Eustis st., south-westerly, to end of Renfrew court; now part of Renfrew st.
- Reservoir lane**, Bri.; from Beacon st., south-easterly, to Brookline line; same in 1875.
- Revere avenue**, B.; from Clinton st. to Richmond st.
- Revere place**, B.; from Charter st., south-westerly, near Hanover st.; same in 1843.
- \*Revere street**, B., 1855; from Irving st. to Charles River; called May st., 1733; named Revere st., Aug. 7, 1855, from S. Russell st. to Charles River; portion from S. Russell st. to Irving st. discontinued, June 22, 1894.
- \*Revere street**, W. Rox.; from Alveston st. to junction Roanoke av. and Elm st.; from Alveston st. to Union av. (now Call st.), 1874; Bishop st. laid out over part from Roanoke av. to Call st., April 16, 1877; Revere st. laid out from Alveston st. to Roanoke av., Nov. 9, 1878.
- Revere-st. court**, B.; from Revere st., north-westerly, near W. Cedar st.; called Sherman pl., 1847; called May-st. court, 1849; named Revere-st. court, 1858; Hill's court, 1874; now Bellingham pl.
- Revere-st. place**, 1857; from Revere st., near Grove st.; May-st. pl., 1844.
- Rexam street**, W. Rox.; from Brandon st., south, then south-east, to Colburg av.
- Reynolds street**, E.B.; from Addison st. at junction with Bremen st. to Trumbull st.
- Rice street**, E.B.; from Coleridge st., north-westerly, to railroad crossing at Homer st.
- \*Rice street**, Dor., 1894; from Walnut st. to Taylor st.; formerly part of Wood st.; laid out as Rice st., July 26, 1894.
- Rich street**, Dor.; from Delhi st., south-east, towards W. Selden st.
- Richards avenue**, W. Rox.; from Hyde Park av. across Huntington av. to Hyde Park line; called Richland st. on plan, 1874; same called Richardson st., plan, 1884.
- Richards corner**, B.; cor. of Ship (now North) st. and White Bread alley (now Harris st.), 1708.



- Richards court**, Dor.; from Olney (formerly Green) st.; cannot be now identified.
- Richards street**, B.; from Harrison av. to Reed st.; same in 1874.
- Richards street**, Chsn.; from Medford st., north-easterly, nearly opposite Cook st.
- \***Richards street**, So. B., 1868; from Granite st. crossing A st.; name of Munroe st. changed to Richards st., April 21, 1868; laid out, Nov. 17, 1868.
- Richards street**, Bri.; from Washington st., north-easterly, to Brighton Hill, then round the hill and crossing itself; same in 1875.
- Richardson avenue**, So. B.; (proposed) from Hyde st., crossing Locust st.
- Richardson place**, B.; from Short (now Kingston) st., near Essex st., 1830-48.
- Richardson place**, B.; from Tremont st., easterly, opposite Van Rensselaer pl., 1849; closed about 1865.
- Richardson place**, E.B.; from Saratoga st., near junction with Chelsea st., south-easterly, towards Bremen st.
- Richardson street**, Bri.; from Western av., south-east, then north-west, to Mackin st.
- Richardson street**, W. Rox.; from Hyde Park av. to Hyde Park line; same given as Richland st. on plan, 1874, and Richards av. in Directory, 1884.
- Richardson's alley or lane**, B.; Hawley st. was so called at an early date.
- \***Richfield street**, Dor.; from Columbia st. to Olney st.; laid out, Sept. 28, 1886.
- Richfield park**, Dor.; from Richfield st., south-west.
- Richland street**, W. Rox.; from Hyde Park av. to Hyde Park line; same called Richardson st. on plan, 1884; Richards av., from Hyde Park av. to Huntington av., 1880 and 1884.
- Richmond avenue**, B.; from Salem st., north-westerly, 1833; N. Margin st. extended through, 1841.
- Richmond place**, B.; from Richmond (now Parmenter) st., north, near Salem st., 1840; shown on plan, 1833, but not named.
- \***Richmond street**, B., 1800; from Atlantic av. to Hanover st., opposite Parmenter st.; from Middle (now Hanover) st. to Back (now Salem) st. called Bear, Beer, or Bur lane, 1708; Bridges lane, 1796; named Richmond st., Jan. 22, 1800; extended east to Fish (now North) st., 1820; extended through Proctor's lane to Fish st., July 6, 1824; extended to Commercial st., through Page's yard, 1831; extended westerly, across Salem st. toward Haymarket sq., through Bartlett pl., Aug. 18, 1845; extended to Mercantile st., 1859; name of part between Salem st. and Hanover st. changed to Parmenter st., Dec., 1870; extended from Commercial st. to Atlantic av., Oct. 8, 1875.
- \***Richmond street**, Dor.; from Washington st. to Adams st.; straightened from Washington st. to Dorchester av., Dec. 25, 1867; same part laid out as a highway, May, 1869; continuation to Adams st. laid out, Aug. 12, 1869.
- \***Richmond street**, Chsn.; from Bow (now Devens) st. to Canal st.; from Bow st. to Union st.; accepted, Sept. 16, 1813; from Union st. to Austin st. accepted, April 5, 1824; laid out, extended and accepted from Austin st. to Chapman st., Sept. 15, 1856; lines established between Bow st. and Union st., Dec. 12, 1859; continued and laid out from Chapman st. towards the river to a point that would intersect north-westerly line of Williams st. extended south-westerly, June 29, 1863; extended and laid out from present terminus to Cambridge st.,

- Sept. 30, 1867; name of Canal st. extended to portion of Richmond st. between Austin st. and Canal st., June 16, 1874; Richmond st. and Canal st. called Rutherford av., May 28, 1878.
- Richview street**, Dor.; from Hillsdale st., south-west, to Dorchester Park.
- Ricker street**, W. Rox.; from Walker st., north-east, near Weld st.
- \***Ridge street**, W. Rox.; from Brown av. to Florence st.; formerly called Pine st.; laid out as Ridge st. between Brown av. and Sherwood st., April 19, 1888; from Sherwood st. to Sycamore st., Oct. 3, 1891.
- Ridge road**, Bri.; from Murdock st. to George st.
- Ridge road**, Dor.; from Oakland st. to Randolph road, near Hyde Park line.
- Ridgemont avenue**, Bri.; from Allston Heights, south-west, crossing end of Eleanor st.; authority to open given by Street Commissioners, Feb. 2, 1893; laid out as Ridgemont st., Dec. 14, 1894.
- \***Ridgemont street**, Bri., 1894; from Allston Heights to west of Eleanor st.; formerly Ridgemont av.; laid out, Dec. 14, 1894.
- \***Ridgeway lane**, B., 1788; from Cambridge st. to Derne st.; same in 1788; taken as a town street conditionally, Sept. 23, 1818.
- \***Rill street**, Dor.; from Hancock st., south-westerly, crossing Ware st.; laid out from Hancock st. to Ware st., Sept. 30, 1881.
- \***Ringgold street**, B.; from Hanson st. to Waltham st.; same in 1846; laid out, May 5, 1868.
- Ripley's wharf**, B.; from Commercial st., opposite Commercial court, north-easterly.
- Ritchie street**, B.; from Salem st. to Endicott st., 1840-1844; called Morton st. before and since.
- \***Ritchie street**, Rox.; from Centre st. to Marcella st.; a part of what formerly was Greenwood st.; laid out, Dec. 31, 1888.
- River place**, B., 1877; from River st., near Mt. Vernon st.; called River-street place, 1861; River place, 1877.
- \***River street**, B., 1843; from Beacon st. to and across Mt. Vernon st.; same called A st. on plans of 1830; River st., from Beacon st. to Mt. Vernon st., 1843; accepted conditionally, Oct. 17, 1855; accepted between Mt. Vernon st. and Chestnut st., Oct. 4, 1859; accepted conditionally, from Chestnut st. to Beacon st., Nov. 17, 1862; extended 134½ feet north of Mt. Vernon st., June 16, 1868; laid out from Beacon st. to Chestnut st., Oct. 9, 1877.
- \***River street**, Dor.; from Washington st. (Lower Mills) to Hyde Park line; located, Dec., 1835; named, March 11, 1840; altered, etc., July 17, 1857; relocated, Nov. 27, 1858; altered, etc., April, 1859; relocated, Dec. 27, 1865; altered, etc., near Kenney's bridge, Dec., 1865.
- River street**, Bri., 1840; from Cambridgeport to Brighton, near Charles River; named River st., June 15, 1840; name changed to Western av., June 13, 1873.
- River-street place**, B.; from the end of River st., north of Mt. Vernon st., to Pinckney st.; same in 1861.
- Riverdale park**, Rox.; Riverway sometimes so called.
- \***Riverdale street**, Bri.; from Western av. to Raymond st.; laid out, Dec. 19, 1889.
- Riverside avenue**, E.B. (Breed's Island); from Saratoga st., opposite Bayswater st., nearly parallel with Belle Isle Inlet to Ashley av.
- \***Riverside street**, Rox.; from Tremont st. to Cary st.; named, Dec. 27, 1871; laid out, Sept. 30, 1876; portion included in extension of Columbus av. and portion west of Columbus av. discontinued, Jan. 4, 1895.

- †**Riverview avenue**, Dor.; from Adams st., following irregularly the course of Neponset River two-thirds of its length, then curving north-easterly to end of Butler st.; part from Adams st. to railroad laid out as Medway st., Oct. 21, 1889.
- Riverway**, Rox.; the Parkway leading from the Fens bridge to the junction of Tremont st. and Heath st.; sometimes called Riverdale park.
- Roach street**, Dor.; from Pleasant st. to Dorchester av.
- \***Roanoke avenue**, W. Rox.; from Revere st., at junction with Elm st., to Alveston st.; in 1849, from Centre st. to Green st., including what are now parts of Seaverns av., Roanoke av. and Elm st.; laid out from Revere st. to Alveston st., May 1, 1876.
- Robbins court**, B., 1822; from Middle (now Hanover) st., west; called Robinson's court, 1821; Robbins court, 1822; N. Hanover pl. or court, 1825; Hanover pl., 1827; N. Hanover court, 1840.
- \***Robert street**, W. Rox.; from Brookfield st. to S. Walter st.; laid out, Dec. 27, 1893.
- Robert avenue**, Dor.; from Magnolia st. to Hartford st.; shown on plan in 1889; now shown as Chamblet st.
- \***Robeson street**, W. Rox.; from Forest Hills st. to Sigourney st.; laid out, Sept. 17, 1884.
- Robin street**, W. Rox.; from La Grange st. to north-east of Park st.
- Robinhood street**, Dor.; from Hartford st. to Magnolia st.; also called Robinhood av.; formerly called Homestead av.
- Robinson avenue**, Dor.; from Robinson st., north-westerly.
- Robinson court**, Dor.; from Savin Hill av., near railroad, north-easterly.
- Robinson place**, Dor.; from Brook av., south-easterly.
- \***Robinson street**, Dor.; from Adams st. to Draper st.; laid out, Nov. 10, 1871.
- Robinson's alley or lane**, B.; from North st. to Elits (now Unity) st., 1733; confirmed as a public way, Sept. 15, 1834; name changed to Webster av., March 28, 1855.
- Robinson's court**, B., 1821; from Middle (now Hanover) st., west, 1821; called Robbins court, 1822.
- Robinwood avenue**, W. Rox.; from Centre st. to Enfield st.; authority to open given by Street Commissioners, Dec. 28, 1892.
- Rochdale street**, Rox.; from Cobden st., north, to Fenner st.; authority to open given by Street Commissioners, Feb. 6, 1893.
- \***Rochester street**, B.; from Harrison av. to Albany st.; from Harrison av., east, 1844; to Albany st., 1846; from Harrison av. to Albany st. accepted and laid out as a public highway, Oct. 17, 1855.
- Rock avenue**, Dor.; from Norfolk st., north-west, nearly opposite Stanton st.
- Rock road**, Dor.; from Randolph road, south-west, to Hyde Park line.
- \***Rock street**, Rox.; from Rockland st. to Regent st.; laid out, March 21, 1884.
- Rockdale street**, Dor.; from Oakland st., south-west; authority to open street given by Street Commissioners, Oct. 13, 1893.
- Rockingham court**, E.B.; from Orleans st., near Decatur st., north-westerly, to land E. (now B. & M.) R.R. Co.
- Rockingham place**, Rox.; from Cabot st., south-easterly, then south-westerly, to Roxbury st.
- Rockingham road**, Dor.; from Oakland st. to Randolph road, near Hyde Park line.

- \***Rockland avenue**, Rox.; from Rockland st. to Dale st., nearly opposite Laurel st.; laid out, Sept. 30, 1876.
- Rockland avenue**, Dor.; from Woodward av. to Grampian way.
- Rockland place**, E.B.; from Everett st. to Maverick st.; shown as Rockland court from Everett st., towards Maverick st., in 1892.
- Rockland place**, Rox.; from Rockland st., north-easterly.
- \***Rockland street**, Rox.; from Warren st. to Dale st.; accepted conditionally, Oct. 30, 1865; laid out between Warren st. and Walnut av., July 8, 1873; laid from Walnut av. to Dale st., Dec. 6, 1875.
- \***Rockland street**, W. Rox.; from Washington st., south-east, to Dedham line; laid out, April 5, 1872.
- \***Rockland street**, Bri.; from Washington st., east of Chestnut Hill av., southwesterly, crossing Chestnut Hill av.; laid out southwardly from Chestnut Hill av., July 21, 1879.
- Rockland street**, Bri.; named from "near Parish House," southerly, to South st., and continued to Brookline line, June 15, 1840; location altered, Sept. 9, 1856; accepted, June 1, 1857; accepted from South st. to a point on Washington st. opposite Market st., June 11, 1871; name changed to Chestnut Hill av., Dec. 27, 1872.
- Rockview place**, W. Rox.; from Rockview st., south-east, near Spring Park av.
- \***Rockview street**, W. Rox.; from Spring Park av. to Green st.; D st. laid out from Spring Park av., and extended to Green st. under name of Rockview st., May 26, 1880.
- \***Rockville park**, Rox.; from Warren st., easterly, 1885; formerly Allston pl. and Rockville pl.; name changed to Rockville park, March 1, 1885.
- \***Rockville place**, 1868, Rox.; from Warren st., easterly; name of Allston pl. changed to Rockville pl., April 21, 1868; laid out, May 25, 1869; changed to Rockville park, March 1, 1885.
- Rockville street**, Dor.; from Blue Hill av. to Oakland st.; authority to open given by Street Commissioners, May 2, 1892.
- \***Rockwell street**, Dor.; from Washington st. to Milton av.; formerly Homer st.; no record of change of name, but Rockwell st. laid out, Feb. 2, 1880.
- \***Rockwood street**, W. Rox.; from Pond st. to Brookline line; laid out, March 29, 1872; relocated, Sept. 30, 1880.
- Rocky Hill av.**, Dor.; from Davenport av., north-easterly, south-easterly, north-easterly, south-easterly, to Columbia st.; portions called Arion st. and Davenport sq.; the portion from Columbia st., north-west, called Rocky Hill in 1894.
- Rocky Swamp lane**, Rox.; an ancient road in Roxbury; part of rendered useless by Norfolk and Bristol turnpike (now Washington st.); also called Jube's lane and the "road to Rocky swamp;" discontinued, Sept., 1806.
- Roebuck passage**, B., 1815; from the Town Dock to Ann (now North) st., 1815; called Fish lane, 1789; made a continuation of Merchants' row, Oct. 9, 1826.
- Rogers avenue**, Rox.; from Ruggles st. to Parker st.; portion between Parker st. and Huntington av. laid out as Bryant st., May 21, 1884.
- Roger's corner**, B., 1800; cor. of Beacon st. and Summer (now Mt. Vernon) st.
- Rogers court**, Rox.; from Rogers av., westerly, between Farnum pl. and Bay View pl.

- \***Rogers street**, So. B. ; from Dorchester st. to Hyde st. ; name of Mechanics st., from Dorchester st. to Preble st., changed to Rogers st., Aug. 7, 1855; laid out, Nov. 13, 1875; laid out, from Preble st. to Hyde st., Sept. 2, 1885.
- Roland road**, Dor. ; from Oakland st. to Randolph road., near Hyde Park line.
- Roland street**, Chsn. ; from B. & M. R.R. to Somerville line, near Crescent st.
- Rollins court**, Rox. ; from Dennis st., south-east, nearly opposite Huckins st.
- Rollins place**, B. ; from Revere st., northerly, to Garden-st. court ; same in 1843.
- \***Rollins street**, B., 1868; from Washington st. to Harrison av. ; called Sprague st., 1855; named Parker st., 1856; name changed to Rollins st., April 21, 1868.
- Romar terrace**, Rox. ; from Cedar st., south-west, between Cedar park and Centre st.
- †**Romsey street**, Dor. ; from Dorchester av. to O.C. (now N.Y., N.H. & H.) R.R. ; laid out, from Dorchester av. to Sagamore st., Aug. 23, 1888.
- Ropemakers lane**, Chsn., 1670; from Harvard st. to Front st. ; mentioned to be widened, March 1, 1819; spoken of as "Arrow st. formerly Ropemakers lane," April 12, 1819.
- Rosalinda street**, Dor., 1872; from Columbia st. to Erie av., near present Walcott st. ; now abandoned.
- Roseberry road**, Dor. ; from Randolph road, south-west, to Hyde Park line.
- Roseclair street**, Dor. ; from Dorchester av. to Greenhalge st. ; authority to open given by Street Commissioners, Oct. 3, 1894.
- Rosedale avenue**, Dor. ; from Washington st. to Whitfield st. ; authority to open given by Street Commissioners, May 12, 1893; laid out as Rose-dale st., March 16, 1895.
- \***Rosedale street**, Dor., 1895; from Washington st. to Whitfield st. ; formerly Rosedale av. ; laid out, March 16, 1895.
- Rosemont street**, Dor. ; from Dorchester av. to Adams st. and from Adams st., south-easterly, to Gustin av.
- Rosemont terrace**, Dor. ; from the portion of Rosemont st. south-east of Adams st., southerly.
- Rosewood street**, Dor. ; from Oakland st., south-west, near N.Y. & N.E. R.R. ; authority to open given by Street Commissioners, Oct. 26, 1893.
- Roslin avenue**, W. Rox. ; from Beech st. to Norfolk st. ; from Washington st. to Beech st., 1874; part from Washington st. to Norfolk st. laid out as Kittredge st., Dec. 22, 1882.
- Roslin street**, Rox. ; from Warren st., easterly; laid out, with name of Carlisle st., Sept. 20, 1883.
- \***Roslin street**, Dor. ; from Washington st. to Ocean st. ; laid out, July 31, 1873.
- Roslindale avenue**, W. Rox. ; from Beech st. to Dudley av. ; same in 1874.
- Roslyn place**, W. Rox. ; from Chestnut av., north-west, near cor. of Boylston st. ; called Roslin av. in 1874.
- Ross place**, So. B. ; from rear of O st. between E. Fifth st. and E. Sixth st.
- Rosseter place**, Dor. ; from Rosseter st., south-west, opposite Olney st.

- †**Rosseter street**, Dor.; from Bowdoin st. to Eldon st.; portion between Eldon st. and Union av. (now Olney st.), formerly part of Bowdoin av., laid out as Rosseter st., Sept. 26, 1882; name of Union av. from Olney st. to Bullard st. changed to Rosseter st., March 1, 1889.
- \***Round Hill street**, Rox.; from Day st., south-east, then north-east, then south-east, across Gay Head st., then south, then north-east to Walden st.; laid out, Dec. 30, 1893.
- Round lane**, B., 1732; from Long lane (now Federal st.) to Atkinson (now Congress) st., 1732; on Carleton's map, 1800, called Round st.; name changed to Williams st., Jan. 10, 1821.
- Rowe court**, B., 1845; from Rowe (now Chauncey) st., west; called Rowe pl., 1820; Rowe court, 1840; Exeter pl., 1845.
- Rowe place**, B.; from Rowe (now Chauncey) st., south-easterly; same in 1838.
- Rowe place**, B., 1820; from Rowe st., west, 1820; named Rowe court, 1840; Exeter pl., 1845.
- Rowe place**, B., 1825; from Bedford st., south, 1825; named Rowe st., 1834; Chauncey st., 1856.
- \***Rowe street**, B., 1834; from Bedford st. to Essex st.; called Exeter st., 1805; Rowe pl., from Bedford st., south, 1825; Rowe pl. laid out from Bedford st. to Essex st., and named Rowe st., Dec. 22, 1834; name of Rowe st. changed to Chauncey st., April 15, 1856.
- Rowe street**, W. Rox.; from Brown av. to Canterbury st.; same in 1849.
- Rowe's lane**, B., 1803; Pond st. was so called, 1803.
- Rowe's pasture or field**, B., 1777; between Essex st. and Pond (now Bedford) st., 1777.
- Rowe's wharf**, B.; from Atlantic av., north-easterly, opposite High st. and Broad st.
- \***Rowena street**, Dor.; from Carruth st. to Bushnell st.; formerly part of Fuller st.; laid out, Aug. 29, 1889.
- Roxbury avenue**, Bri.; from Chestnut Hill av., north-easterly; crossing Englewood av.; same in 1875; part from Chestnut Hill av. to Englewood av. laid out as Isleworth st., May 11, 1887; remainder laid out as a part of Sutherland road, Oct. 11, 1892.
- \***Roxbury street**, Rox.; from Washington st. to Columbus av.; laid out, Jan. 19, 1862, and named Washington st., May, 1825; name of Washington st. between Guild row (now Washington st.) and Pyncheon st. (now Columbus av.) changed to Roxbury st., June 16, 1874.
- Roxbury terrace**, Rox.; from Roxbury st., north-west, near Washington court.
- Roxton street**, Dor.; from Glenway st. to Greenwood st.
- Roy street**, Rox.; from Regent st. to and crossing Hulburt st.; same as Ray st.
- Royal road**, Bri.; from Cambridge st. to Coolidge road; laid out as Royal st., Aug. 24, 1892.
- \***Royal street**, Bri.; from Cambridge st. to Coolidge st.; formerly Royal road; laid out, Aug. 24, 1892.
- Royal Exchange lane**, B.; Shrimpton's lane (now Exchange st.) sometimes so called.
- Royall's alley**, B., 1732; from Ann (now North) st., east, to the Wharffe, 1732; same in 1800; where Blackstone st. now is, or between Blackstone st. and Barrett st.
- \***Roys street**, Rox.; from Lamartine st. to Chestnut av.; laid out, Oct. 6, 1880, from Lamartine st. to Gilbert st. (now Chestnut av.).

- Ruck's corner**, B., 1732; cor. of Charter st. and Salem st., 1732.
- Ruggles court**, Rox.; from Ruggles st., southerly, near cor. Halleck st.; also called Ruggles-st. court.
- Ruggles place**, Dor.; from Washington st., south-easterly, then north-easterly, then northerly and parallel with Dorchester av., between Codman st. and Richmond st.
- \***Ruggles street**, Rox., 1825; from Washington st. to Parker st.; portion from Cabot st. to Gravelly Point laid out, Jan. 19, 1662; named from Worcester turnpike (now Roxbury st.) to the cross-dam (now Parker st.), May 9, 1825; line straightened, Nov. 5, 1827; street from Tremont st. near Boston line to Washington (now Roxbury) st. by Linden park (now Linden-Park st.), part of which had been called Cabot st. and part Ruggles st., named Cabot st. throughout, Aug. 9, 1858; street from Parker st. to Washington st., part of which had been known as Ruggles st. and part as Water st., named Ruggles st. throughout, Aug. 9, 1858.
- Rumney marsh**; old name of Chelsea, which was a part of Boston until 1738.
- \***Ruskin street**, W. Rox.; from Weld st. to Corey st.; formerly Corey av.; laid out, April 1, 1890.
- Russell court**, B.; from N. Russell st., westerly, near Parkman st.; same in 1848.
- Russell place**, B.; from N. Russell st., westerly, south of Russell court; same in 1847.
- Russell place** B.; from Suffolk st. (now Shawmut av.), south-east, between Carney pl. (now Waterford) st. and Garland st., 1859; closed about 1872.
- Russell court**, } Rox.; from Ruggles st., north-westerly, to Madison court;  
**Russell place**, } laid out as Field st., Jan. 5, 1887.
- Russell place**, Chsn.; from Russell st., north-east, near Harrison pl.
- Russell street**, B., in 1795; from Cambridge st., northerly, 1800; named N. Russell st., from Cambridge st. to Eaton st., and S. Russell st., from Cambridge st. to May (now Revere) st., 1802; to Myrtle st., 1806.
- \***Russell street**, Chsn.; from Pearl st. to Auburn st.; Oliver Holden conveys land (now part of Russell st.) running from Pleasant st. nearly at right angles north-westerly to street laid out by Richard Sullivan (now Sullivan st.), July 17, 1819; from Graves (now Sullivan) st. to Eden st. accepted, March 24, 1834; from Eden st. to Oak st. laid out, May 23, 1859; laid out from Oak st., and extended to Auburn st., July 23, 1861.
- Russell-street court**, Chsn.; from Russell st., north-east, between Auburn st. and Mead st.
- Russell's wharf**, B.; from Federal st., easterly; same, from Purchase st., 1800.
- Russell's wharf**, B.; next northward from Old North Battery, easterly, to the water, 1800.
- Russia wharf**, B.; from Atlantic av., south-easterly, at corner of and parallel with Congress st.
- \***Ruth street**, E.B., 1892; from Webster st. to Marginal st.; formerly part of Terrace pl.; laid out from Webster st. to Brigham st. (formerly part of Terrace pl.), Nov. 26, 1892; extended to Marginal st., Oct. 12, 1893.
- \***Rutherford avenue**, Chsn.; from Devens st. to Cambridge st.; Richmond st. and Canal st. named Rutherford av., May 28, 1878.

- \*Ruthven street, Rox.,** 1884; from Walnut av. to Elm Hill av.; part from Walnut av. to Humboldt av. formerly called Oriole st.; laid out as Ruthven st., Dec. 1, 1884; laid out from Humboldt av. to Elm Hill av., Nov. 14, 1890.
- Rutland place, B.;** from Haven st., near cor. Rutland st., south-easterly; same in 1866.
- Rutland place, So. B.;** from O st., near E. Sixth st., westerly; also shown previously as Butland pl.; not shown in 1891.
- \*Rutland square, B.,** 1866; from Tremont st. to Columbus av.; part of Rutland st., from Tremont st. to Water Power Co.'s line, 125 feet easterly from Columbus av., accepted and named Rutland sq., Oct. 9, 1866; laid out from B. W. P. Co.'s line to Columbus av., Dec. 24, 1867.
- \*Rutland street, B.,** 1826; from Washington st. to Tremont st.; laid out from Washington st., west, July 24, 1826; from line of extension of Front st. (now Harrison av.) to Tremont st., 1836; accepted, Dec. 7, 1857; part west of Tremont st., extended to line of B. W. P. Co., and accepted, Aug. 13, 1861; from Tremont st. to Columbus av., 1861; from Tremont st. to B. W. P. Co.'s line (a passageway 125 feet east from Columbus av.) accepted and named Rutland sq., Oct. 9, 1866; laid out from B. W. P. Co.'s line to Columbus av., Dec. 24, 1867; laid out from Columbus av. to B. & P. (now N.Y., N. H. & H.) R.R., Dec. 7, 1869; part west of Columbus av. named W. Rutland sq., July 25, 1871.
- \*Rutledge street, W. Rox.;** from Park st. to Bellevue st.; given as Farrington st. on plan, 1874; laid out, June 15, 1877.
- Ruxton road, Dor.;** from Ridge road to Regent road, near Hyde Park line.
- \*Sachem street, Rox.;** from Hillside st. to Calumet st.; laid out, Sept. 19, 1887.
- \*Sackville street, Chsn.,** 1887; from Bunker Hill st. to Medford st.; Webster st. laid out, with name of Sackville st., Jan. 1, 1887.
- Saco street, Dor.,** 1891; from Neponset av., near and south of Howe st.; authority to open given by Street Commissioners, Oct. 1, 1891.
- †**Sagamore street, Dor.;** from Savin Hill av. to Soudan st.; laid out from Savin Hill av. to Romsey st., June 5, 1877.
- Salcombe street, Dor.,** 1892; from Stoughton st. to Cushing av.; authority to open given by Street Commissioners, Sept. 23, 1892.
- Salem court, B.;** from Salem st., south-east, near Tileston st.; same in 1846.
- Salem place, B.;** from Salem st., north-westerly, between Cross st. and Endicott st.; same in 1839.
- Salem place, B.;** from Salem st. to Cooper st., 1828; named Bartlett pl., 1837.
- \*Salem street, B.;** from Hanover st. to Charter st.; from Prince st. to Charter st., 1708; at one time called Green lane; from Hanover st. to Charter st., 1824; the part from Hanover st. to Prince st. called Back st., 1708-1824.
- Salem street, W. Rox.;** from Corinth st., south-westerly; part from Corinth st. to Albano st. laid out, with name of Cohasset st., Oct. 30, 1889.
- \*Salem street, Chsn.;** from Main st. to High st.; road leading from Main st., opposite Capt. Phipps to steps of Baptist Meeting-house accepted as a town road, March 12, 1804.
- Salem-Hill court, Chsn.;** from Pearl st., north-westerly, same in 1875.
- \*Salem-street avenue, Chsn.;** from Salem st. to High st.; from High st. accepted as North st., Dec. 15, 1834; name of North st. changed to Salem-st. av., July 21, 1869.



- Salem turnpike**, Chsn.; from Charlestown (now City) sq. to Chelsea; from Charlestown sq. to north-west cor. of Navy Yard surrendered to Town by Salem turnpike and Chelsea Bridge Corporation and Act of Legislature authorizing same passed, June 17, 1831; now Chelsea st.
- Salt alley**, B.; from Salt lane, at Creek sq., southerly.
- \***Salt lane**, B.; from Union sq., easterly, across Creek sq. to Blackstone st.; from Union st. to Creek lane, 1708; from Union st. to Creek sq., 1817.
- Salter place**, B.; from Prince st., south, near Salem st.; same in 1834.
- Salter's court**, B.; a passageway to the Exchange Coffee House, between Congress st. and Devonshire st., 1808; called Exchange sq., 1818; named Congress sq., 1821.
- Salutation alley**, B.; from North (now Hanover) st., down by the Salutation to Ship (now Commercial) st., 1708; called Salutation st., 1825; so called from a figure used as the sign of a tavern on that passageway which took off its hat to passengers; also because it led from Hanover st. to the Salutation or Fort; the North Battery is called in old records the Salutation.
- \***Salutation street**, B.; from Hanover st. to Commercial st.; called Salutation alley, 1708; named Salutation st., 1825.
- Salvisberg avenue**, Rox.; from Hampshire st., near Vernon st., to Culvert pl., now Downing st.; same given Hunnewell court on chart, 1884; now called Whittier st.
- Samosett place**, B.; from Prince st., north-easterly, near Hanover st.; same in 1851; called Somerset pl. on chart.
- Samosett street**, Dor., 1892; from Centre st., near and east of O.C. (now N.Y., N.H. & H.) R.R.; authority to open given by Street Commissioners Aug. 3, 1892.
- Sanborn avenue**, Dor.; from Harvard st., north-westerly, to Blue Hill av.
- Sands place**, B.; from Washington st., east, near S. May (now Savoy) st., 1859; named Ottawa pl., 1873; Temple park, 1879; Mechanics row, 1894.
- Sands place**, B.; from Harrison av., westerly, near Savoy (formerly S. May) st., leading into and sometimes called Ottawa pl., Temple park, and Mechanics row.
- Sanford place**, B.; from E. Lenox st., north-easterly, near Washington st.; same in 1870.
- \***Sanford street**, Dor.; from Washington st. to Cedar st. (Lower Mills); named from Washington st., near the Mills, to Neponset (now Morton) st., March 11, 1840; accepted, June 15, 1853.
- Saratoga place**, E.B.; from Saratoga st., near Meridian st., north-westerly.
- \***Saratoga street**, E.B.; from Central sq. to Winthrop line; laid out from Swift st., north-easterly, and extended north-easterly, towards Breed's Island or Belle Isle to centre of channel, Aug. 7, 1848; continued over Breed's Island to Chelsea-point bridge, Sept. 20, 1848; accepted and laid out from Meridian st. to Marion st., Sept. 27, 1852; accepted from Central sq. to Swift st., Oct. 4, 1852; laid out and dedicated from Chelsea st. to Swift st., July 28, 1858; accepted at junction with Pope st. and junction with 40-foot strip of land adjoining land of E. (now B. & M.) R.R., Nov. 1, 1858; accepted at junction with Chelsea st., Sept. 13, 1859; County road (now Saratoga st.) over Breed's Island, straightened, Feb. 1, 1862.
- \***Sargent street**, Dor.; from Howard av. to Hartford st.; laid out, Sept. 2, 1876.
- Sargent's wharf**, B.; from Commercial st., south-easterly.

- \***Sarsfield street**, Rox., 1887; from Tremont st. to Grinnell st.; Milford pl. laid out, with name of Sarsfield st., Dec. 10, 1887.
- Sarsfield place**, Bri.; from N. Harvard st., north-west, near Western av.
- \***Saunders street**, Bri.; from Cambridge st. to N. Beacon st.; laid out, Oct. 15, 1886.
- Savage court**, E.B.; from Chelsea st., north-westerly, between Marion st. and Porter st.
- Savage's corner**, B.; cor. of Dock sq. and Shrimpton's lane (now Exchange st.), 1708.
- Savage's corner**, B.; cor. of Ann (now North) st. and Scottow's (now Scott) alley, 1708.
- Savage's court**, B.; from Cornhill (now Washington st.) through Webster's arch, westward, 1732; name changed to Williams court, 1789.
- Saville street**, W. Rox.; from Park st. to Irving st.
- \***Savin street**, Rox.; from Warren st. to Blue Hill av.; laid out, April 9, 1875.
- \***Savin Hill avenue**, Dor.; from Pleasant st. to Savin Hill Station O.C. (now N.Y., N.H. & H.) R.R., thence around Savin Hill to same point; road to Savin Hill by Mr. Tuttle's named Savin Hill av., March 11, 1840; driveway around Savin Hill, before called in part Atlantic av. and in part Indian way, laid out as a public highway with name of Savin Hill av., Aug. 12, 1869; laid out 50 feet wide from Pleasant st. to O.C. (now N.Y., N.H. & H.) R.R., Aug. 6, 1875.
- \***Savoy street**, B., 1892; from Washington st. to Harrison av.; S. May st. laid out, with name of Savoy st., Nov. 29, 1892.
- \***Sawyer avenue**, Dor.; from Pleasant st. to Cushing av.; from end of Savin Hill or Sawyer Hill av., southerly, then north-westerly, towards Hancock st.; laid out from Pleasant st., including Savin Hill or Sawyer Hill av., July 16, 1877; extended to Cushing av., Oct. 28, 1881; street west from Pleasant st., given on chart 1874 as part of Savin Hill av., on chart 1884 as Sawyer Hill av.
- \***Sawyer street**, B.; from Shawmut av. to Lenox st.; same in 1845; laid out, Sept. 23, 1872.
- Sawyer Hill avenue**, Dor.; from Pleasant st., opposite Savin Hill av., to Sawyer av.; given on chart 1874 as part of Savin Hill av., and by directories made a part of Sawyer av.; laid out as Sawyer av., July 16, 1877.
- Saxon court**, E.B.; from Paris st., near Porter st., north-westerly.
- Saxton street**, Dor.; from Romsey st., south-westerly, crossing Belfort st.; authority to open between Belfort st. and Savin Hill av. given by Street Commissioners, March 13, 1895.
- Sayward place**, So. B.; from Woodward st., near Dorchester av., north-easterly.
- \***Sayward street**, Dor.; from Columbia st. to Bird st.; laid out, July 26, 1883.
- Scarborough street**, W. Rox.; from Walnut av. to Morton st.; from Walnut av. to Forest Hills st., 1849; built from Forest Hills st. to Canterbury st., paid for, Feb. 24, 1851; streets known as Forest Hills and Scarborough sts. named Morton st., Dec. 5, 1859, remainder included in Franklin Park.
- Scarlet's wharf lane**, B.; from Ann (now North) st., west, 1789; part of Fleet st. so called.
- \***Schiller street**, Rox.; from Heath st. to Minden st.; laid out, July 16, 1891.

- School alley, B.;** from N. Bennet st. to Prince st., 1732; called Grammar alley on Carleton's map, 1795; opposite the North Grammar School into Prince st. called School alley, 1800; named Bennet av., 1839.
- School court, Rox.;** from Tremont st. to New Heath-pl. School-house; named, March 5, 1860; later called Cottage pl.
- \***School street, B.;** from Washington st. to Tremont st.; from Cornhill (now Washington st.), west, across Common (now Tremont) st. to the head of the present Somerset st., 1708; called South Latin School st., 1789, from Cornhill to Common st.; the part west of Common st. being called Beacon st., 1803; widened by laying out as a town way a strip of land before used as a common passageway, Oct. 9, 1843.
- \***School street, Rox. and W. Rox.;** from Walnut av. to Amory st.; laid out, Jan. 19, 1862; named from Centre st. to Back st. (now Walnut av.), May 9, 1825; name of part from Centre st. to Boylston st. changed to Amory st., April 21, 1868.
- \***School street, Dor.;** from Washington st. to Harvard st.; from Upper road to lane leading to John Pierce's house located, May 23, 1808; named from Upper road by No. 4 School to Mr. Carleton's, March 11, 1840.
- \***School street, Chsn.;** from Main st. to Bunker Hill st.; July 17, 1810, Oliver Holden conveys to Town for a public highway a parcel of land now used as road called Middle st., from Bartlett st., north-easterly, to Bunker Hill st., nearly parallel with Pleasant st.; also road called Alfred st. from Summer st., north-easterly, to Bartlett st., both now forming part of School st.; part from High st. to Main st. formerly called School-House lane, accepted as School-House st., May 3, 1824.
- School street, Bri.;** from Market st. to Waverly st.; same in 1875.
- School-House court, Chsn.;** from Charles st., south-easterly; same in 1875.
- School-House lane, Chsn.;** from Main st. to High st.; accepted as School House st., May 3, 1824; now part of School st.
- School-House street, Chsn.;** from Main st. to Bunker Hill st.; name changed to Charles st., Sept. 30, 1850.
- School-House street, Chsn.;** from High st. to Main st.; formerly called School-House lane; accepted, May 3, 1824; now part of School st.
- School-street place, W. Rox.;** from School st., north-easterly.
- School-street place, Chsn.;** from School st., north-westerly.
- Schrepel place, So. B.;** from E. Third st., north, near K st.
- \***Schuyler street, Rox.;** from Blue Hill av. to Elm Hill av.; Ashland st. named Sea-View st., April 21, 1868; Sea-View st. named Schuyler st., May 24, 1870; laid out from Maple st. to Elm Hill av., Sept. 9, 1887.
- \***Scollay square, B.;** at the junction of Tremont and Court sts., Cornhill and Tremont row; named Pemberton sq., Feb. 19, 1838; name changed to Scollay sq., June 25, 1838, in consequence of naming Phillips sq. Pemberton sq.; the site of Scollay's building, which was taken by the city in 1870.
- Scollay's building, B.;** between Court st. and Tremont st., where Scollay sq. now is, 1809.
- Sconce lane, B.;** From Fort Hill to Battery March, 1708; called Sconce st., 1784; named Hamilton st., 1807.
- Sconce street, B.;** from Fort Hill to Batterymarch st.; called Sconce lane, 1708; named Sconce st., 1784; name changed to Hamilton st., 1807.
- \***Scotia street, Rox.;** from Bothnia st. to Dalton st.; laid out, June 30, 1890.
- Scott alley, B.;** from Ann (now North) st. to Creek lane (now sq.); called Scottow's alley, 1708; named Scott alley, 1823.

**Scott court, B.;** from Suffolk st. (now Shawmut av.), south-east, near Roxbury line, 1835.

**Scott court, B.;** from Union st., west, toward Hanover st.; called Minot's court, 1708; named Scott court, 1796; called Minot's court in Edes' list, 1800; a portion included in Friend st. when extended from Hanover st. to Union st., 1855; part between Friend st. and Union st. discontinued, March 23, 1857; what remained built over when Washington st. was extended to Dock sq. in 1873.

**Scott court, Chsn.;** from Chelsea st., north-westerly, near Medford st.; same in 1875.

**Scott place, So. B.;** from E. Fifth st., north, near N st.

**Scottow's alley, B.;** from Ann (now North) st. to Creek lane (now sq.) 1708; named Scott alley, 1823.

**Sea street, B.,** 1708; from Summer st. to Windmill Point; from Summer st. to South Boston Free Bridge, 1825; called Broad st., 1833; name changed to Sea st., 1842; changed to Federal st., 1856; East st., so called, on Hale's plan, 1819.

**Sea-street bridge, B.;** from south end of Sea st. to South Boston, 1828; now Federal-st. bridge.

**Sea View street, E. B. (Breed's Island);** from Orient av. to Park st.

**Seaborn street, Dor.;** from Centre st. to Kenwood st.; authority to open, from Centre st. to near Kenwood st., given by Street Commissioners, July 10, 1891.

**Seabury place, B.;** from Blossom st., opposite Fruit st., easterly, to Vine st. pl., called Blossom-st. pl., 1843; named Seabury pl., 1844.

**Sears place, B.;** from Anderson st., easterly; same in 1849 (from W. Centre st., east, near May st.).

\***Seattle street, Bri.,** 1891; from Cambridge st. across Hopedale st.; authority to open "near the corner of Cambridge st. and N. Harvard st." given by Street Commissioners, July 10, 1891; laid out from Cambridge st. to a point near and north-west of Hopedale st., May 5, 1892.

**Seaver lane, Bri.;** from Washington st. to South st.; laid out by Selectmen, Aug. 1, 1842; accepted conditionally, Nov. 28, 1842; laid out, Jan. 15, 1843; accepted, April 10, 1843; name changed to Foster st., Nov. 20, 1848; called by both names by record up to 1855.

**Seaver place, B.;** from Tremont st., west, between Eliot st. and Warrenton st.; called Nassau court, 1825; named Seaver pl., 1844.

\***Seaver street, E.B.;** from Webster st. to Sumner st.; accepted and named, Oct. 7, 1853.

\***Seaver street, Rox. and Dor.;** from Walnut av. to Erie st.; named from Back st. (now Walnut av.) to Brush Hill turnpike (now Blue Hill av.), May 9, 1825; name of Egleston sq., from Walnut av. to Washington st., changed to Seaver st., March 1, 1882; extended from Blue Hill av. to Columbia st. at New Seaver st., Dec. 27, 1882; name of New Seaver st., from Columbia st. to Erie st., changed to Seaver st., March 1, 1889; Columbus av. extended over part from Washington st. to Walnut av., Jan. 4, 1895. [Part from Blue Hill av. to Walnut av. included in Franklin Park by Park Commissioners, March 27, 1893, and same part relocated as a public street by Street Commissioners, Dec. 4, 1894.]

\***Seaverns avenue, W. Rox.;** from Centre st. to Elm st.; parts of shown as Roanoke av. and Virginia av. on map, 1849; extended through Starr lane and laid out as a public way, March 10, 1873.

**Sea-view street, Rox.;** from Blue Hill av. to Maple st.; name of Ashland st. changed to Sea-view st., April 20, 1869; name of Sea-view st. changed to Schuyler st., May 24, 1870.

**Second street, B.**, 1809; from Leverett st. to Copper st.; Second st. leading southerly from Leverett st., accepted and recorded as a public street, May 12, 1828; confirmed as a public street, Sept. 15, 1834; name changed to Napier st., April 25, 1855; named Barton st., 1868.

**Second street, B.**; Fulton st. so called on S. P. Fuller's plan of March 27, 1826; laid out from a street (now Clinton st.) to be laid out north of the stores on N. Market st. to another st. leading to Ann (now North) st. to be laid out through land of Robert G. Shaw, Feb. 22, 1828.

\***Second street, So. B.**; from Dorchester av. to City Point; laid out parallel with Broadway and named, Feb. 27, 1805; made passable from Turnpike st. to Dorchester st., Nov. 7, 1831; part southerly of the Brewery and the upland on margin of flats discontinued, Sept. 7, 1835; opened from P st. to City fences, June 18, 1849; laid out from Federal st. (now Dorchester av.) to Dorchester st., and thence to low-water mark, Nov. 17, 1868; parts east and west of Dorchester st. named E. and W. Second st., Feb. 18, 1873.

**Second street, Chsn.**; from Lynde st. to railroad; laid out from Lynde st. to Front st. by Charlestown Wharf Company; laid out again and accepted, Dec. 20, 1848; discontinued and acquired by the Eastern (now Boston & Maine) R.R., under authority of an act of the Legislature, but still open for a short distance from Lynde st.

**Second-street court, B.**; from Second st., south, 1835; called Second-st. pl. and Napier-st. pl., 1855; Napier pl., 1868.

**Second-street place, B.**; from Second st., south, 1855; called Second-st. court, 1835; Second-st. pl. and Napier-st. pl., 1855; Napier pl.; 1868.

**Sedgwick street, W. Rox.**; from John A. Andrew st. to South st.; part of Walker st., from John A. Andrew st., to Elm st., laid out as Sedgwick st., Dec. 5, 1881; another part of Walker st., from Elm st. to South st., laid out as Sedgwick st., Dec. 7, 1887.

\***Selden street, Dor.**; from Milton av. to Forest Hills av. (now Morton st.); laid out, Dec. 4, 1893.

**Selkirk road, Bri.**; from Kilsyth road, crossing Sutherland and Chiswick roads, to Commonwealth av.

**Selma street, E.B. (Breed's Island)**; from Gladstone st. to Orient av.; Bromley's atlas, 1892.

**Selwyn street, W. Rox.**; from Walter st., north-west, then south-west, to Farquhar st.

**Seminary place, Chsn.**; from Lawrence st. to Austin st.; same in 1875; laid out as Seminary st., Aug. 9, 1888.

\***Seminary street, Chsn.**, 1888; from Lawrence st. to Austin st.; Seminary pl. laid out with name of Seminary st., Aug. 9, 1888.

\***Seneca street, B.**; from Harrison av. to Albany st.; called Erie st., 1844; named Seneca st., 1849; lower part of Seneca st., next to Albany st., accepted, Nov. 19, 1857.

**Seneca street, Rox.**; from Dale st. to Bower st.; name changed to Laurel st., May 10, 1870.

**Sentry Hill, B.**, 1708; afterwards Beacon Hill.

**Sentry street, B.**; from Beacon st., up Centrey Hill to the head of the present Temple st., 1708; called Century st., 1732; from Common (now Tremont) st. to Beacon Hill, 1784; from the old Granary to the old Almshouse, 1800; the part north-west from Beacon st. called Sumner (now Mt. Vernon) st., 1800; the part from Common st. to Beacon st. named Park st., 1803.

**Sentry street, B.**; a part of Sudbury st. and a part of Queen (now Court) st. were once so called.

- Separate lane, B.;** from Hanover st. to the Mill-pond, 1722; name changed to Friend st., 1733.
- Seven Star lane, B.;** Summer st. was sometimes so called, 1758-73.
- \***Seventh street, So. B.;** from Dorchester av. to Dorchester st., and from G st. to City Point; laid out parallel with Broadway, and named, Feb. 27, 1805; laid out from Federal st. (now Dorchester av.) to Dorchester st., and from G st. to low-water mark, Nov. 17, 1868; called E. and W. Seventh sts., Feb. 18, 1873.
- Seventh-st. court, So. B.;** from E. Seventh st., northerly, near O st.
- \***Sever street, Chsn.;** from Haverhill st. to Cambridge st.; altered from Cambridge st. to point opposite street (Gardner st.) at westerly end of Sullivan sq., Dec. 29, 1868; from Haverhill st. to Kingston st. accepted and named, June 28, 1870.
- Sewall place, B.;** from Milk st., opposite Arch st.; same, 1829 (from Milk st., north, opposite Morton pl., now in Arch st.)
- Sewall place, Rox.;** from Tremont st., southerly, near Parker st.; laid out and extended to Delle av. with name of Sewall st., March 3, 1891.
- Sewall street, B.;** from<sup>1</sup>Belknap (now Joy) st., west, 464 feet, parallel with Beacon st. to Coventry st. (now the easterly part of Walnut st.), 1833; it ended at Coventry st., and Bishop-Stoke st. ran from it to Beacon st.; discontinued.
- \***Sewall street, Rox.,** 1891; from Tremont st. to Delle av.; Sewall pl. laid out from Tremont st. and extended to Delle av. with name of Sewall st., March 3, 1891.
- Sewall street, Dor.;** from Neponset av., easterly, near Freeport st.
- Sewall's court, Chsn.;** from Arlington av., southerly, near Dorrance st.
- Shailer avenue, Rox.;** from Roxbury st., opposite Putnam st., to Linden park, now Linden-Park st.
- \***Shamrock street, Dor.;** from Dorchester av. to Commercial (now Freeport) st.; laid out, Aug. 2, 1883.
- \***Shannon street, Bri.,** 1892; from Washington st. to Union st.; Lexington av. laid out with name of Shannon st., July 8, 1892.
- Sharon court, E.B.;** from Havre st., north-westerly, near Porter st.
- \***Sharon street, B.;** from Harrison av. to Albany st.; named from Harrison av., opposite centre of Franklin sq., to Roxbury Channel in South Bay, May 14, 1849; accepted, Oct. 30, 1860.
- Sharon street, W. Rox.;** from Brown av. to Canterbury st.; same in 1849.
- \***Sharp court, Dor.;** from Mather st., southerly, parallel with Allston st. to unnamed place; called Sharp st. in Bromley's atlas, 1894; given in Directory as from Mather st. to Allston st.
- Shaving street, B.;** from Federal st., easterly, then southerly, to Mt. Washington av.; from Tirrell's wharf, east of Federal st., to Mt. Washington av., 1855.
- Shaw street, W. Rox.;** from La Grange st. to Cottage av.
- \***Shawmut avenue, B., Rox.;** and W. Rox.;
- from Tremont st. to Roxbury st.; part of Suffolk st., which in 1849 was also called S. Suffolk st., from Dover st. to Roxbury line, named Shawmut av., Oct. 20, 1851; name of Williams st. changed to Shawmut av., April 2, 1855; extended from Arnold st. to Roxbury line, Dec. 18, 1855; laid out and located by County Commissioners from end of Shawmut av. at Boston line, a new street over land of Davis to end of Williams st. at Williams court, through Williams st. to Washington (now Roxbury) st., through Roxbury st. to Winslow st. (now Guild row), through Winslow st. to Dudley st., and over Norfolk and Bristol turnpike (now Wash-

- ington st.) to Dedham village, June, 1857; named Shawmut av., from Boston to West Roxbury line, Dec. 28, 1857; part in West Roxbury named Shawmut av., Feb. 3, 1858; part in Roxbury known as Dedham turnpike (now Washington st.) reconstructed, March, 1858; line changed near Edinboro' (now Thornton) st. and Marcella st., April, 1858; relocated between Boston line and termination of Williams st., June, 1858; all that part which lies in the city of Roxbury accepted by County Commissioners, May 2, 1859; altered at junction of Bartlett st., Dec. 31, 1860; widened and extended from Dover st. to Tremont st., including that part of Suffolk st. between Dover st. and Castle st., Oct. 10, 1870; from Washington (now Roxbury) st. to Dudley st., in front of Universalist Church, named Guild row, June 16, 1874; name of Shawmut av. from Dudley st. to Dedham line changed to Washington st., June 16, 1874.
- Shawmut park**, Dor.; from King st., south, between Dorchester av. and Adams st.
- Shawmut place**, B.; from Washington st., opposite Lenox st., named, May 14, 1849; included in extension of E. Lenox st., 1851.
- Shawmut place**, Rox.; from Shawmut av., south-easterly, between Madison st. and Williams st.; included in the extension of Sterling st., from Shawmut av. to Washington st., Oct. 4, 1884.
- Shawmut square**, B.; between Washington, E. Brookline, James and E. Newton sts.; name changed to Franklin sq., April 21, 1845.
- \***Shawmut street**, B.; from Pleasant st. to Church st.; from Pleasant st., west, 1825; to Church st., 1836; laid out, Sept. 25, 1868.
- Shawmut street**, W. Rox.; from Florence st. to railroad; map, 1849.
- Shawmut terrace**, B.; from Shawmut av., south-easterly, between Northampton st. and Camden st.
- \***Sheafe street**, B., 1806; from Salem st. to Snow-Hill st.; from Salem st. to Snow st., 1732; confirmed as a public street, Sept. 15, 1834.
- Sheafe street**, Chsn.; from Cook st., north-westerly, then north-easterly, to Cook-st. court.
- Sheafe's lane**, B.; from Newbury (now Washington) st. to the Common, 1732; named, 1788; name changed to Avery st., Oct. 21, 1826; called also Coleburne's lane at an early date.
- Sheep lane**, B.; Sheafe's lane erroneously so called in Directory, 1789.
- Sheep Market**, B.; the west side of Fanueil Hall sq. so called, 1708.
- Shelburne street**, Dor.; from Buttonwood st., easterly; included in Dorchesterway.
- \***Shelby street**, E.B.; from Lexington st. to Saratoga st.; laid out, Oct. 9, 1877.
- \***Sheldon street**, W. Rox.; from Prospect av. to Ashland st.; same in 1874; laid out, Nov. 23, 1878.
- \***Shelton street**, Dor.; from Adams st. to junction of Wrentham st. and Bruce st.; laid out, from Adams st., south-westerly, Sept. 19, 1882; extended to Wrentham st., Nov. 13, 1891.
- \***Shenandoah street**, Dor., 1892; from Carruth st. to Wessex st.; laid out, Nov. 3, 1892.
- \***Shepard street**, Bri.; from Washington st. to Union st.
- Shepherd avenue**, Rox.; from Tremont st. (now Huntington av.), south-easterly, near Heath st.; included in Jamaica way.
- Shepton terrace**, So. B.; from E. Eighth st., between L st. and M st., first south then east and west; called Shipton terrace in Bromley's atlas, 1891.

- \***Sherborn street**, Rox., 1894; from Commonwealth av. to Charles River; laid out, Oct. 20, 1894.
- Sherbrook or Sherbrooke place**, Rox.; from Tremont st., north-easterly, between Phillips st. and Faxon st.; formerly called Cherry pl.
- Sherburne's corner**, B.; at the bend in Beacon st., then the east end of School st., at the present corner of Beacon st. and Somerset st., about 1800; called also Sears' corner.
- Sheridan avenue**, Rox. and W. Rox.; from Centre st. to Curtis st. (now Chestnut av.); street leading from Centre st., near Day st., to Boylston st. named Sheridan av., July 7, 1868; Sheridan av., laid out from Centre st. to Chestnut av. and named Sheridan st., July 7, 1883.
- Sheridan court**, Chsn.; from Tufts st., westerly.
- Sheridan place**, So. B.; from W. Fifth st., near B st., south-westerly.
- Sheridan street**, Dor.; from Minot st., south-easterly, to brook; same called Sheridan pl. in directories.
- \***Sheridan street**, W. Rox., 1883; from Centre st. to Chestnut av.; Sheridan av. laid out with name of Sheridan st., July 7, 1883.
- Sherlock street**, Rox.; from Lambert av. to Clarence st.
- Sherman court**, So. B.; from W. Broadway to Athens st.. between D st. and E st.
- Sherman place**, B.; from May (now Revere) st., 1847; probably Hill's court, 1867.
- Sherman place**, B.; the west part of S. May (now Savoy) st. so called, 1850; so on map of 1855.
- Sherman square**, Chsn.; from Mystic av., easterly, between Sherman st. and Dorrance st.; same in 1875.
- Sherman street**, Chsn.; from Mystic av., next to B. & M. R.R., north, to Somerville line.
- \***Sherman street**, Rox.; from Bower st. to Rockland st.; laid out from Bower st. to Dale st., Sept. 7, 1871; from Dale st., over Dale av., to Rockland st., Oct. 10, 1882.
- Sherwood street**, Rox.; from Bartlett st., crossing McGee st., to N.Y. & N.E. R.R.; shown on atlas, 1890.
- \***Sherwood street**, W. Rox., 1886; from Ashland st. to Florence st.; Hancock st. laid out with name of Sherwood st., Oct. 25, 1886.
- Ship street**, B.; from Fleet st. to the North Battery, 1708; straightened, etc., 1713; name of portion of Lynn st., from the North Battery to Winnisimmit Ferry, changed to Ship st., 1800; street running from Faneuil Hall Market, through Ann, Fish and Ship sts. to North st. named Ann st. throughout, July 6, 1824; from Fleet st. to Commercial st. called Ann st., 1824; from the foot of Ann st. to the Ferry changed to Commercial st., and the remainder included in Ann (now North) st., 1833.
- Shippie street**, Chsn.; from Adams st. to Chelsea st.; name changed to Townsend st., March 14, 1831; made part of Chestnut st., June 20, 1846.
- Shipton terrace**, So. B.; from E. Eighth st., between L st. and M st., south, then east and west; called Shepton terrace in Directory, 1894.
- \***Shirley street**, Rox.; from Dudley st. to Norfolk av.; laid out from Dudley st. to George st., March 10, 1886; from George st. to Norfolk av., Aug. 21, 1890.
- Shoe and Leather street**, B., from Fulton st. to Ann (now North) st.; having been made by John D. Williams at his own expense and given by him to City; laid out as a public street; at his request named Shoe and Leather st., Oct. 10, 1842; laid out as John st., Feb. 2, 1869.



- Short lane, B.**, from N. Bennet st., 1796; to Tileston st., 1833; called Short st., 1849; named Wiggin st., 1878.
- Short street, B.**; on Price's map, 1733, from the angle in Southac st., north-west, to the water; since discontinued.
- Short street, B.**; from Pond st. to Essex st., 1708; across Essex st. to the water, 1769; from Pond st. to Essex st., 1800; confirmed as a public street, Sept. 15, 1834; name of Short st. discontinued and Kingston st. extended through it to Beach st., April 1, 1839.
- Short street, B.**; from N. Bennet st. to Tileston st.; a part from N. Bennet st. called Short lane, 1796; extended to Tileston st., 1833, and named Short st., 1849; name changed to Wiggin st., April 24, 1878.
- Short street, E.B.**; from Everett st. to Maverick st.
- Short street, E.B.**; from Coleridge st. to Cowper st.
- Short street, So. B.**; from Middle st. to Tuckerman st.
- Short street, Rox.**; from Maple av., now Bellevue st., to Brookline av.; formerly part of Appleton pl.
- Short street, Rox.**; from Lawn st. to Fisher av.; laid out with name of Hayden st., June 28, 1886.
- Short street, Rox.**; from Eustis st. to Union st., 1849; extended to Dudley st., May, 1859; name changed to Winslow st., Dec. 17, 1860.
- Short street, W. Rox.**; from Mt. Vernon st. to Walnut av. (later Carl st., now Montview st.); part of now known as Kirk st.
- Short street, W. Rox.**; from Washington st. to Grove st.; laid out, with name of Stimson st., July 3, 1890.
- Short street, W. Rox.**; from Canterbury st. to Dorchester line, 1849; now part of Berry st.
- Short street, W. Rox.**; from South st. to Dedham turnpike (now Washington); named, May 9, 1825; probably a public highway some time previous (now not shown).
- \***Short street, Chsn.**; from Bunker Hill st. to Medford st.; laid out and accepted, Aug. 21, 1860.
- Short-street court, B.**; rear of Short st., near Essex st., 1827; name changed to Kingston court or pl., 1838.
- Short-street court, Chsn.**; from Short st., south-easterly.
- Short-street, place, Chsn.**; from Short st., north-westerly.
- Short Second street, B.**; from Second st. to Brighton st., 1849; called Napier st., 1855; called Little Napier st., 1855; named Barton court, 1868.
- Shreve street, Dor.**; from Norfolk st. to Madison av.; shown as Willow-wood st. on Bromley's atlas of Dorchester, 1894.
- Shrimpton's corner, B.**; cor. of King (now State) st. and Shrimpton's lane (now Exchange st.), 1708.
- Shrimpton's lane, B.**; from Dock sq. to King (now State) st., 1708; called Exchange lane, 1789; sometimes called Royal Exchange lane; named Exchange st., 1816.
- Shrimpton street, E. B.**, 1893; between Wood Island parkway and Prescott st.; authority to open given by Street Commissioners, April 21, 1893.
- Shute street, B.**; from Green st. to Mr. Russell's ropewalk; Wiltshire st. so called in Selectmen's list, 1788.
- Sidlaw road, Bri.**, 1891; between Chestnut Hill av. and Commonwealth av.; authority to open given by Street Commissioners, Oct. 1, 1891.
- Sigel place, Rox.**; from Lamont st. (formerly Linden av.), west, near Vernon st.; called Siegel court in Directory, 1894.

- Sigourney place**, B.; from Hanover st., near Commercial st., westerly, then northerly; same in 1841.
- \***Sigourney street**, W. Rox.; from Walnut av. to Glen road; laid out, May 19, 1884.
- Silva place**, Rox.; from Munroe st., southerly, near Hazelwood st.
- \***Silver street**, So. B.; from Dorchester av. to G st., near W. Broadway; accepted and laid out as public street, Nov. 29, 1852; opened and laid out from D st. to E st., Sept. 18, 1861; extended, Sept. 18, 1861; laid out from Dorchester av. to A st., Sept. 1, 1871; laid out from A st. to B st., Feb. 29, 1872; laid out from B st. to C st., May 9, 1874; laid out from D st. to E st., May 23, 1874; laid out from F st. to Dorchester st., June 15, 1874; laid out from C st. to D st., July 6, 1874; laid out from E st. to F st., Sept. 29, 1874; laid out from Dorchester st. to G st., June 5, 1876.
- Silver-street place**, So. B.; from Silver st., north-easterly, near Dorchester av.
- \***Simmons street**, Rox.; from Clay st. (now Linden-Park st.) to Vernon st.; laid out, Sept. 6, 1886.
- Simpkins' corner**, B.; cor. of Ann (now North) st. and Royall's alley, 1732.
- Simpson court**, B.; from Van Rensselaer pl., southerly; same in 1851.
- Simpson's court**, So. B.; from E. Second st., northerly, between O st. and P st.: same given as Lauten pl. in Directory, 1884.
- Simpson's court**, Chsn.; from Pearl st., south-east, near Medford st.
- Sinclair place**, Bri.; from N. Beacon st., north-easterly, near Everett st.
- Sinclair street**, Rox., from Elm Hill av. to Landseer av.; shown on plan dated June 1, 1881; abandoned.
- \***Sister street**, B.; from Round lane (now Matthews st.) north into Bury (now Channing) st., 1732; confirmed as a public street, Sept. 15, 1834; name changed to Leather sq., Sept. 24, 1867.
- \***Sixth street**, So. B.; from Dorchester av. to Dorchester st. and from H st. to City Point; laid out parallel with Broadway and named, Feb. 27, 1805; extended, March 27, 1867; portion adjacent to track of O.C. (now N.Y., N.H. & H.) R.R. Company discontinued, June 19, 1867; laid out from Foundry st. (at Dorchester av.) to Dorchester st. and from H st. to low-water mark, Nov. 17, 1868; called E. and W. Sixth sts., Feb. 18, 1873.
- Sixth street**, Chsn.; from Lynde st. to Front st., 1875; to the railroad, 1884; laid out and accepted, July 31, 1855; discontinued and acquired by the Eastern (now Boston & Maine) R.R., under authority of an act of the Legislature, but still open for a short distance from Lynde st.
- Sixth-street alley**, So. B.; from W. Sixth st. to Bowen st., between D st. and E st.
- Skinner street**, W. Rox.; from South st., north-easterly, then north-westerly, to Fairview st.; laid out, with name of Conway st., July 21, 1885.
- Slate wharf**, B.; from Commercial st., northerly, between land and wharves of the Boston Gaslight Company and Atkins wharf (now the City of Boston north paving yard).
- Sleeper street**, So. B.; north-east, (to N.Y. & N.E. R.R. piers) and south-west across Congress st., near Fort Point Channel.
- Sliding alley**, B.; from Charter st. to Lynn st., 1708; opened for use of town in 1719, having been fenced in; on Bonner's map, 1722; called Foster's lane, 1741; called Fuller st. on Carleton's map, 1795; called Brewer's Hill in Edes' list, 1800; named Foster st., 1803.

- Smith alley**, B. ; from North st. to Commercial st., 1841; called Smith pl. on chart, 1883.
- Smith avenue**, B. ; from Kendall st. to Hammond st.
- Smith avenue**, Dor. ; a part of Union av. so called on Moseley's plan, 1869.
- Smith court**, B. ; from Joy st., westerly; called May's court, 1812; named Smith court, 1848.
- Smith court**, Rox. ; from Smith st., south-westerly, to Smith pl. (now Nichols or Nicholson court); called Smith-st. court on chart, 1873; Smith-st. pl. on chart, 1890.
- Smith place**, B. ; from North st., south-easterly, to Commercial st.; called Smith alley, 1841.
- Smith place**, B. ; from Joy st., westerly; from Belknap (now Joy) st., west, south of Belknap pl., 1842.
- Smith place**, So. B. ; from W. Fourth st. to Silver st., between B st. and C st.
- Smith place**, Rox. ; from Phillips st., north-westerly, crossing the end of Smith court; same given Nichols court in 1884; given as Nicholson court in Directory of 1894 and in Bromley's atlas, 1890.
- \***Smith street**, Rox. ; from Parker st. to Huntington av. ; laid out on chart, 1874, from Parker st. to land of Redemptorist Fathers; extended to Bumstead lane, now St. Alphonsus st., Nov. 23, 1874; extended from Bumstead lane to Huntington av., April 27, 1891.
- Smith street**, Rox. ; from Centre st. down the hill to Worcester turnpike (now Roxbury st.); named, May 9, 1825; name changed to Gardner st., Oct. 29, 1860.
- Smith street**, Bri. ; from N. Harvard st., near Western av., south-easterly, across Duck lane.
- Smith-street court**, Rox. ; from Smith st., south-westerly, to Nichols (or Nicholson) court (formerly Smith court); same given Smith court on chart, 1873; Smith-st. pl. chart, 1890.
- Smith-street place**, Rox. ; from Smith st., south-westerly, to Nicholson court (formerly Smith court); called also Smith-st. court and Smith court.
- Smith's corner**, B. ; cor. of Fish (now North) st. and Moon st., 1800.
- \***Smyrna street**, Rox. ; from Brookline av. to Binney st.; the part of private way called Park st., from Brookline av. to Binney st., laid out and named Smyrna st., May 17, 1882.
- Snelling place**, B., from Hull st., north-easterly; same in 1844.
- Snow Hill**, B. ; at the northern extremity of the town; later called Copp's Hill.
- Snow street**, B. ; from Prince st. to Hudson's Point, at foot of Charter st. ; Snow-Hill st. so called on Bonner's map, 1722; also in list of 1732, and in Records, Feb., 1738.
- Snow-Hill avenue**, B. ; from Snow-Hill st., west, opposite Sheafe st., 1830; exchanged for land to widen Prince st. with Boston Gas Light Co., Dec. 8, 1866, and included in their land.
- Snow-Hill court**, B. ; from Snow-Hill st., north-west, 1836; built over by Boston Gas Works.
- Snow-Hill place**, B. ; from Snow-Hill st., south-easterly, next to Prince st. ; same in 1839.
- \***Snow Hill street**, B. ; from Prince st. to Charter st.; from Prince st. to the end of Ferry-way by Hudson's Point, 1708; called Snow st. in 1722, 1732, 1738; from Charlestown bridge up to the burying-ground on

- Copp's Hill, 1800; from Prince st. across Copp's Hill to Charter st., 1817; laid out between Hull st. and Charter st., April 10, 1837.
- Snow's court**, Dor.; from Chickatawbut st. to Pierce av.; laid out, June 5, 1867; located as Plain st., March 2, 1868.
- \***Soley street**, Chsn.; from Warren st. to Monument sq.; new street laid out in place of Henley's lane and named Soley st., Dec. 24, 1850.
- Soley's lane**, Chsn.; mentioned, Nov. 14, 1782; no bounds given, no other mention.
- Somerset court**, B.; from Somerset st., west, 1809; name changed to Ashburton pl., Nov. 13, 1845; extended to Bowdoin st. in 1846.
- Somerset place**, B.; from Somerset st. to Middlecot (now Bowdoin) st., 1807; from Somerset st. to Bulfinch st., 1817; confirmed as a public way, Sept. 15, 1834; name changed to Allston st., Dec. 19, 1842.
- Somerset place**, B.; from Prince st., north-easterly, between Hanover st. and Bennet av.; given in directories, Samoset pl.
- \***Somerset street**, B.; from Beacon st. to Howard st.; from Southac's court (now Howard st.) to Beacon st., at Sherbourne's or Sears' corner, 1803; confirmed as a public street, Sept. 15, 1834.
- Sonoma street**, Rox., 1892; from Maple st. to Elm Hill av.; authority to open given by Street Commissioners, June 16, 1892.
- †**Sorrento street**, Bri., 1891; near the cor. of Cambridge st. and N. Harvard st.; authority to open given by Street Commissioners, July 10, 1891; laid out north-westerly from Cambridge st., May 6, 1892; from Cambridge st., north-westerly, across Hopedale st., 1894.
- Soudan street**, Dor.; from Sydney st., west, crossing Sagamore st.; Bromley's atlas, 1894.
- South battery**, B.; east of Fort Hill, near the junction of the present Purchase st. and Broad st., 1722.
- South bridge**, B.; from Front st. (now Harrison av.) to South Boston, 1805; called Dover-street bridge, 1839.
- South ferry**, B.; from the end of Eastern av., to East Boston.
- South row**, B.; on Marlboro' (now Washington) st., opposite School st., next north of the Old South Church, 1755-1824.
- \***South street**, B.; from Summer st. to Lehigh st.; from Summer st. to the sea, 1708; Town slip carried out from the lower end of South st., April 14, 1712; extended to Beach st., Dec. 26, 1837; accepted from Beach st. to Kneeland st. May 17, 1849; accepted from Kneeland st. to Lehigh st., Nov. 15, 1852.
- South street**, Dor.; from Commercial (now Freeport) st., to Pleasant st. (Commercial Point); from Commercial st. to the water; given as a part of Preston st. on Directory map and chart, 1884.
- \***South street**, W. Rox.; from Centre st., near Eliot st., to Centre st., near Church st.; laid out from Centre st. to Blue Marsh, Jan. 19, 1662; confirmed in 1685; extended in 1687; named from Center st., near Rev. Mr. Gray's Meeting-house, to Center st., near Rev. Mr. Flagg's Meeting-house, May 9, 1825; altered at Centre st., Sept. 27, 1871; re-located northerly from Washington st., Feb. 24, 1880. [A part near and north-east of Ashland street included in Dedham turnpike (now Washington st.), 1808.]
- \***South street**, Bri.; from Chestnut Hill av. to Newton line; named from Rockland st. (now Chestnut Hill av.) to Newton line, June 15, 1840.
- South-street court**, B.; from South st., east, opposite Essex st., 1818; included in extension of Essex st., from South st. to Federal st., May 5, 1880.

- \***South-street place**, B.; from South st., west, 1826; afterwards to Lincoln st.; accepted and laid out as a public street, Oct. 22, 1855; name changed to Tufts st., Dec. 18, 1855.
- Southac court**, B.; from Southac (now Phillips) st., south, 1826; named Phillips court, 1866.
- Southac place**, B.; from Phillips (formerly Southac) st., southerly, near W. Cedar st.; same from Southac st., south, in 1841.
- Southac street**, B.; from Butolph (now Irving) st., nearly to the water, thence south to Beacon st., 1733; the portion of Southac st. now called W. Cedar st., south of the present Phillips st., was called George st. in 1810; from Butolph st. to George st., 1810; confirmed as a public street, Sept. 15, 1834; name changed to Phillips st., Feb. 6, 1866.
- Southac's court**, B., from Tremont st., opposite Hanover st., west, in 17-2; named, 1732; from Court st., opposite the Orange Tree, westward, to Dr. Bulfinch's pasture, 1788; laid out, Oct. 2, 1816; from Court st. to Bulfinch st., 1817; called Howard st. from Tremont row to Bulfinch st., April 11, 1821.
- South Allen court**, B.; from S. Allen st., south, 1822; name changed to McLean court, 1829.
- South Allen street**, B.; from Wiltshire (now Chambers) st., west, 1784; called Thirty-feet passage, west, to Mr. Dunn's, 1800; by Directory plan, 1805, extends west to the water; from Wiltshire st., west, to Capt. Dunn's, 1807; accepted and name changed to McLean st., in honor of the benefactor of the General Hospital, to which it is a principal av., Dec. 22, 1828.
- South Bennet place**, B.; from S. Bennet st., north, 1858; called Bennet pl., 1816 and 1880.
- South Bennet street**, B.; from Washington st. to Harrison av; Bennet st. was sometimes so called.
- South Bridge street**, B.; from Washington st. to the South bridge (now Dover-st. bridge), 1825; confirmed as a public street, Sept. 15, 1834; sometimes called Bridge st. and E. Dover st.; name changed to Dover st., Nov. 10, 1834.
- South Cedar street**, B.; from Pleasant st., west, to Ferdinand st., 1825; accepted and laid out as a public street, Nov. 8, 1852; name changed to Winchester st., July 7, 1869.
- South Cedar-street place**, B.; from Winchester st., southerly, between Church st. and Pleasant st.; called Cedar-st. pl. on chart, 1833; called Cedar-st. court, 1831; Cedar-st. pl., 1840; S. Cedar-st. pl., 1857.
- South Dennis street**, Rox.; from Warren st. to Dorchester line, 1849; named Quincy st., June 2, 1851, but order not carried out; Dennis st. from Grove Hall av., opposite Quincy st. in Dorchester to Warren st., named Quincy st., Oct. 13, 1856.
- \***South Eden street**, Chsn.; from Main st. to Rutherford av.; laid out and named, April 26, 1871.
- Souther's corner**, B.; cor. of Milk st. and Bishop's alley (now Hawley st.), 1708.
- Southern avenue**, Dor.; from Washington st. to Bernard st.
- South Fairview street**, W. Rox.; from South st., south-west, then west, crossing Brookfield st. and S. Walter st.
- South Foster place**, B.; from Tremont st., west, between Boylston st. and Eliot st., 1831; name changed to Van Rensselaer pl, 1852.
- South Hanover place**, B.; from Hanover st., south-easterly, between Court st. and Elm st., 1849; closed in 1853.

- South Harvard street**, Bri.; from Cambridge st., opposite Franklin st., to Brookline line; name of Cedar st. changed to S. Harvard st., Nov. 10, 1846; named Harvard av., Dec. 30, 1873.
- South Latin School street**, B.; School st. so called in 1789.
- South Lowell street**, B.; from Shawmut av. to Tremont st., 1848; name changed to Milford st., May 14, 1849.
- \***South Margin street**, B.; from Pitts st. to Prospect st.; laid out across the Mill-pond and named, Aug. 3, 1807.
- \***South Market street**, B.; from Merchants' row to Atlantic av.; laid out and named from Merchants' row by south side of Faneuil Hall Market to Commercial st., March 30, 1825; extended from Commercial st. to Atlantic av., including street 40 feet wide known as City wharf, April 2, 1872.
- South May street**, B.; from Washington st. to Harrison av.; same in 1830; the west part called Sherman pl. on maps, 1850-1855; laid out with name of Savoy st., Nov. 29, 1892.
- \***South Russell street**, B., 1795; from Cambridge st. to Myrtle st.; named from Cambridge st., south, to May (now Revere) st., 1802; from Cambridge st. to Myrtle st., 1806.
- Southside park**, Dor.; from Ashmont st., south, near Carruth st.; appears on Bromley's atlas of 1894 as Arundel park.
- South Suffolk street**, B.; part of Suffolk st. (now Shawmut av.), from Dover st. to Roxbury line, so called in 1849.
- South Walter street**, W. Rox.; from South st. to S. Fairview st.
- South Williams street**, B.; from Washington st. to Shawmut av., 1842; on petition for acceptance, Oct. 14, 1867, decided to be public, having been kept open for public use more than twenty years; name changed to Pelham st., Jan. 4, 1868.
- South Worthington street**, Rox.; from Tremont st., south-west, opposite Worthington st.; also called Worthington pl.
- \***Southwood street**, Rox.; from Blue Hill av. to Edgewood st.; laid out, Aug. 17, 1891.
- Sowden's Hill**, W. Rox.; part of Poplar st., between its junction with Canterbury st. and Beech st., so called in 1859.
- Spalding street**, W. Rox., 1894; from South st., near Morton st.; authority to open given by Street Commissioners, Nov. 8, 1894.
- Sparhawk avenue**, Bri.; from Cambridge st. to Sparhawk st.; laid out, with name of Elko st., Aug. 10, 1893.
- \***Sparhawk street**, Bri.; from Cambridge st. to Market st.; same in 1875; laid out, May 7, 1877.
- Sparrow street**, W. Rox.; from Cottage av., across Partridge st.
- Spear alley**, B.; from Purchase st. to Atlantic av.; same in 1826.
- Spear place**, B.; from Pleasant st., near Washington st., south-westerly, then north-westerly; same in 1838.
- Spear's wharf**, B.; from Atlantic av., south-easterly, near foot of Oliver st.
- Speedwell street**, Dor., 1893; near the south-east corner of Bowdoin st. and Topliff st.; authority to open given by Street Commissioners, Aug. 29, 1893; from Topliff st. to Barrington st., south of Bowdoin st.
- †**Spencer street**, Dor.; from Park st., south-easterly, crossing Wheatland av.; laid out, from Park st. to Wheatland av., Dec. 28, 1893.
- Spice court**, Chsn.; from Cambridge st., south-easterly, to near B. & M. R.R.; called Spice st. on city map, 1891, and in Bromley's atlas of Charlestown of 1892.

**Spinney street**, W. Rox.; from Sparrow st. to Cowing st.

**Sprague street**, B.; from Washington st. to Harrison av.; laid out, June 20, 1855; name changed to Parker st., Jan. 29, 1856; named Rollins st., 1868.

\***Sprague street**, Chsn., 1892; from Bunker Hill st. to Princeton st.; Jerome pl. laid out from Bunker Hill st., and extended to Princeton st., with name of Sprague st., Aug. 11, 1892.

**Spring court**, Rox.; from Fellows st., easterly, between Webber st. and Hunneman st.

\***Spring lane**, B.; from Washington st. to Devonshire st.; from Cornhill (now Washington st.) to Joylieff's lane (now Devonshire st.), 1708.

**Spring lane**, W. Rox.; from Lamartine st. to Chestnut av.; same in 1874.

\***Spring street**, B.; from Leverett st. to Allen st.; from Leverett st., west, to Wiltshire (now Chambers) st., 1733; from Leverett st. to Poplar st., 1806; from the Almshouse to Poplar st., 1817; laid out and named, Oct. 24, 1825; accepted, and recorded as a public street, May 12, 1828; confirmed as a public street, Sept. 15, 1834.

**Spring street**, Dor.; from Savin Hill av. to Bay st.

\***Spring street**, W. Rox.; from Centre st. to Dedham line; named from Centre st. to Baker st., May 9, 1825; probably a public highway some time previous; from Baker st. to Dedham line by annexation from Dedham; Selectmen authorized to petition County Commissioners to lay out Spring st. 50 feet wide from Centre st. to Charles River or to Dedham line, Sept. 8, 1873.

**Spring street**, Bri.; from Market st. to Murdock st.; same in 1875.

**Springdale street**, Dor.; from Savin Hill av., next to N.Y., N.H. & H. R.R., south-west, then south-east, then curving southerly to Dorchester bay.

**Springer court**, So. B.; from E. Eighth st. to E. Seventh st.; laid out, with name of Springer st., June 10, 1885.

\***Springer street**, So. B., 1885; from E. Seventh st. to E. Eighth st.; Springer court laid out, with name of Springer st., June 10, 1885.

\***Springfield street**, B.; from Albany st. to Columbus av.; laid out on the Neck, from Washington st., west, July 24, 1826; the fifteenth of the new streets leading from Tremont st. to Front st. (now Harrison av.) named Springfield st., Sept. 15, 1834; extended to Albany st., 1854; accepted, Dec. 7, 1857; accepted, Oct. 30, 1860; from Washington st. to Albany st. called E. Springfield st.; and from Washington st. to Columbus av. called W. Springfield st., April 21, 1868.

\***Spring Garden street**, Dor.; from Crescent av. to Harbor View st.; laid out, June 23, 1876.

\***Spring Park avenue**, W. Rox.; from Centre st. to Chestnut av.; laid out as a town way from Centre st. to Chestnut st. (now Chestnut av.), Aug. 21, 1873; accepted by Town, Sept. 8, 1873.

\***Spring-street court**, B.; from Spring st., north-westerly, to and across Poplar court; same in 1827 (from Spring st., west).

**Spring-street place**, B.; from Spring st., south, to Chambers st., 1828; included in Chambers st. extended to Spring st., Jan. 6, 1872.

**Springvale avenue**, W. Rox.; from Spring st., northerly, then westerly, to Marshall st.

\***Spruce street**, B.; from Beacon st., opposite the Common, to Chestnut st.; same in 1822; confirmed as a public street, Sept. 15, 1834.

**Spruce street**, W. Rox.; from Florence st. to Bourne st.; same in 1874; laid out, with name of Catherine st., Dec. 28, 1893.

\***Spurr street**, Bri., 1884; street connecting N. Harvard st. and Western av.; named Spurr st., March 1, 1884.

- \***St. Alphonsus street**, Rox., 1893; from Tremont st. to Huntington av.; Bumstead lane laid out, with name of St. Alphonsus st., Dec. 20, 1893.
- \***St. Botolph street**, B. and Rox.; from Irvington st. to Camden (now Gainsborough) st.; given on chart, 1883, from B. & A. R.R., north-east of unnamed extension of Yarmouth (now Irvington) st., south-westerly, to W. Chester park (now Massachusetts av.) and Camden st.; laid out from W. Newton st. to W. Chester park, Jan. 19, 1880; extended from W. Newton st. to Harcourt st., Dec. 27, 1882; from Harcourt st. to Irvington st., April 10, 1884.
- St. Catharine street**, Rox.; from Parker st., east, between Centre st. and Bromley park.
- \***St. Charles street**, B.; from Chandler st., northerly, to B. & A. R.R.; named, Dec. 5, 1871; laid out, Oct. 15, 1874.
- \***St. Germain street**, Rox., 1894; from Massachusetts av. to Dalton st.; Cromwell st. laid out, with name of St. Germain st., Sept. 14, 1894.
- St. Gregory's court**, Dor.; from Dorchester av., north-westerly, near Richmond st.
- \***St. James avenue**, B.; from Berkeley st. to Huntington av.; name of St. James st., from Berkeley st. to Clarendon st., changed to St. James av., April 21, 1868; laid out, from Clarendon st. to Huntington av., May 6, 1876; laid out, from Dartmouth st. to Exeter st., Aug. 27, 1877; name of part between Huntington av. and Exeter st. changed to Blagden st., March 1, 1889.
- St. James park**, B.; from St. James av., southerly, to the B. & P. (now N. Y., N. H. and H.) R.R.; now called Trinity pl.
- St. James place**, Rox.; from St. James st., south-westerly, between Washington st. and Alpine st.
- \***St. James street**, B.; from Berkeley st. on Back Bay land, 1860; laid out from Berkeley st. to Clarendon st., April 7, 1868; name changed to St. James av., April 21, 1868.
- \***St. James street**, Rox.; from Warren st. to Washington st.; accepted conditionally, Oct. 12, 1847; conditions complied with, July 31, 1848;
- St. James terrace**, Rox.; from St. James st., north-easterly, near Alpine st.
- St. John avenue**, E.B. (Breed's Island); from Walley st., west, then south, to Water av.; shown in Bromley's atlas, 1892.
- \***St. John street**, W. Rox.; from Centre st. to Rockview st.; laid out, Oct. 25, 1886.
- \***St. Joseph street**, W. Rox., 1892; from South st. to Woodman st.; St. Thomas st. laid out, with name of St. Joseph st., Nov. 21, 1892.
- St. Mark street**, W. Rox.; from South st., near Morton st., to Percy st.
- St. Mary's street**, Rox.; from Brighton (now Commonwealth) av. to Brookline Branch R.R.; included in Brookline when boundary line was changed in 1872.
- \***St. Paul street**, Rox.; from Falmouth st. to Norway st.; laid out from Falmouth st. to Caledonia (now Norway) st., May 7, 1889.
- St. Paul's row**, B.; Common (now Tremont) st., near St. Paul's Church, 1826-30.
- \***St. Stephen street**, Rox., 1892; name of that part of Falmouth st., south-west of W. Chester park (now Massachusetts av.), changed to St. Stephen st., March 1, 1892.
- \***Stacey street**, Chsn., 1889; from Main st. to Dunstable st.; Williams st. laid out, with name of Stacey st., Oct. 7, 1889.
- \***Stafford street**, Rox.; from Blue Hill av. to Dennis st.; laid out, Dec. 22, 1870.



- Stanburys corner, B.;** "nigh the Mill Bridge, 1708."
- Standish avenue, Dor.;** from Park st. to Harvard st.; laid out, with name of Standish st., June 7, 1887.
- Standish court, B.;** from Pitts st., west, near S. Margin st.; called Standish pl., 1845; Standish court, 1874; Standish pl. on chart, 1883.
- \*Standish street, Dor.,** 1887; from Harvard st. to Park st.; Standish av. laid out, with name of Standish st., June 7, 1887.
- Stanhope place, B.;** from Phillips st., southerly, between Garden st. and Anderson st.; same in 1857 (from Southac st., south).
- \*Stanhope street, B.;** from Berkeley st., south-westerly, crossing Morgan st., then westerly; from Berkeley st., west, near Columbus av., 1866; laid out, Dec. 16, 1891.
- Stanford court, B.;** from Staniford pl., south, 1849.
- Stanford place, B.;** from Staniford st., south-easterly, between Cambridge st. and Green st.; same as in 1830.
- \*Stanford street, B.;** from Cambridge st. to Causeway st.; from Cambridge st. to Green st., in 1722; named, 1732; from Cambridge st. across Green lane (now Green st.) to Leverett pl., 1817; part from Green lane to Leverett pl., afterwards Lyman st.; no other mention of its being called Staniford st.; extended from Green st., including parts of Lyman st. and Chilson pl.; to Causeway st., May 11, 1886.
- Stanley avenue, E.B. (Breed's Island);** from Ashley av. to Belle Isle inlet; Bromley's atlas, 1892.
- Stanley place, Chsn.;** from Bow st., north-easterly, near Washington st.
- \*Stanley street, Dor.,** 1889; from Quincy st., south-west, crossing Kane st. to Sunset circle; Bellevue terrace laid out, with name of Stanley st., June 19, 1889.
- Stannmore place, Rox.;** from Warren st., opposite Dunreath pl. (now st.), south-westerly, then north-westerly.
- Stanton avenue, Dor.;** from Norfolk st. to Evans st.; laid out, with name of Stanton st., Feb. 8, 1889.
- Stanton place, Rox.;** from Walnut av. at its junction with Warren st., north-west.
- \*Stanton street, Dor.,** 1889; from Norfolk st. to Evans st.; Stanton av. laid out, with name of Stanton st., Feb. 8, 1889.
- Stanwood avenue, Dor.;** from Blue Hill av. to Columbia st.; laid out, with name of Stanwood st., July 11, 1885.
- \*Stanwood street, Dor.,** 1885; from Columbia st. to Blue Hill av.; Stanwood av. laid out as Stanwood st., July 11, 1885.
- Stark street, Chsn.;** from Cambridge st., opposite Parker st., to Roland st.
- Starr lane, W. Rox.;** from Centre st. to Seaverns av.; Virginia av., from Centre st. to Roanoke av. (now Elm st.), 1849; Seaverns av. extended through a part of Starr lane to junction of Elm st. and Gordon st., March 10, 1873; from Gordon st. to Starr (now Call) st., called Everett st., Dec. 4, 1877; same given as a part of Starr st. on chart, 1874.
- Starr street, W. Rox.;** from Gordon st. to Keyes st.; altered and constructed, March 10, 1873; part of, together with apart of Union av., named Call st., Dec. 4, 1877, and other part called Everett st., same date.
- \*State street, B.;** from Washington st. to Long wharf; from Cornhill (now Washington st.), both sides of the Town-house, east, to the sea, called King st., 1708; named State st., 1784; extended and named from Chatham row to Commercial st., April 13, 1858; extended along north side of State-street block and accepted conditionally, April 13, 1858; extended to Atlantic av., March 27, 1876.

- State-House avenue, B.;** from Beacon st. by the west side of the State House to Sumner (now Mt. Vernon) st., 1827; called also Hancock av.
- Station square, W. Rox.;** at the Mount Hope station, on the Providence division of the N.Y., N.H. & H. R.R.
- \*Station street, Rox.;** from Tremont st. (now Columbus av.) to Parker st.; laid out, May 26, 1880.
- Stedman place, B.;** from Washington st., east, next south of Kneeland st., 1859; closed in 1862.
- Stedman street, W. Rox.;** from Williams st., south-westerly, between Washington st. and Forest Hills st., crossing Keyes st. and Lotus pl.
- Steele's court, B.;** from Chambers st., near Poplar st., to Leverett st., 1849; named Hammond av., 1850.
- \*Sterling street, Rox.;** from Washington st. to Tremont st.; laid out from Shawmut av. to Warwick st., Sept. 1, 1871; extended to Cabot st., Oct. 9, 1883; name of Transit st., from Cabot st. to Newbern st., changed to Sterling st., March 1, 1884; name of Newbern st., with a part of said Newbern st., to Tremont st., changed to Sterling st., March 1, 1884; extended from Shawmut av., over Shawmut pl., to Washington st., Oct. 4, 1884.
- Stetson court, Chsn.;** from Henley st. north-westerly, near Park st.; same by chart, 1875.
- Stetson place, B.;** from W. Cedar st., westerly, near Cambridge st.; same in 1860.
- \*Stevens street, B.;** from Shawmut av. to Lincoln pl.; same in 1864; laid out, Oct. 9, 1877.
- Stevens's corner, B.;** cor. North (now Hanover) st. and Love lane (now Tileston st.), 1708; called Stephen's corner, 1732.
- Stewart street, So. B.;** (proposed) from Dorchester av. to Richardson av. (proposed).
- Still-House square, B.;** from the foot of Hawkins st. by the Distill House to the Mill-pond, thence southerly to Sudbury st., 1743; named Adams st., 1846; now Bowker st.; called also Distill-House sq. and Distillers sq.
- Stillman place, B.;** from Stillman st. to Cooper st.; same in 1825.
- \*Stillman street, B.;** from Salem st. to Charlestown st.; laid out over the Mill-pond, 1807; from Back (now Salem) st. to the Mill-pond, 1821; accepted conditionally, Nov. 15, 1830; confirmed as a public street, Sept. 15, 1834; from Salem st. to Charlestown st., 1835.
- \*Stimson street, W. Rox.,** 1890; from Grove st. to Centre st.; laid out, including Short st. (between Grove st. and Washington st.), July 3, 1890.
- \*Stockton street, Dor.,** 1886; from Washington st. to Milton av.; Emery st. laid out, with name of Stockton st., Dec. 10, 1886.
- \*Stoddard street, B.;** from Howard st. to Court st.; shown, 1722; called Stoddard's lane, from Cambridge (now Court) st. to Southack's court, (now Howard st.), 1732; called Fitch's lane, 1788 to 1800; Stoddard's lane named Stoddard st., Oct. 19, 1829.
- Stone place, Chsn.;** from Edgeworth st., north-westerly, near Bunker Hill st.
- \*Stone street, Chsn.;** from Princeton st. to Medford st.; Princeton-st. court extended from Princeton st. to Medford st. and laid out with name of Stone st., June 13, 1871.
- Stonehurst street, Dor.,** 1893; near the south-east cor. of Bowdoin st. and Topliff st.; authority to open given by Street Commissioners, Aug. 29, 1893; from Topliff st. to Barrington st., south of Bowdoin st.

- Stony Brook avenue**, W. Rox. ; from Brown av. to Bourne st., 1849 ; later a part of Florence st.
- Stony Brook place**, Rox. ; from Centre st., easterly, near Amory st.
- Stony Brook street**, W. Rox. ; from Williams st., south-east of and near Washington st., parallel with Stony Brook, to Keyes st.
- Stormont street**, Rox. ; from Elm Hill av. to Landseer av., on plan dated June 1, 1881 ; now abandoned.
- Story place**, B. ; from State st., west, between Devonshire st. and Congress st., 1845 ; part of Half-sq. court ; now Congress sq.
- Story place**, W. Rox. ; from Greenough av., south-west, then west, near Centre st.
- Story street**, So. B. ; from Dorchester av., crossing Washington av. (proposed), to Richardson av. (proposed).
- \***Story street**, So. B. ; from G st., between E. Fifth st and E. Sixth st., with proposed extension to H st. ; called Bird lane, 1857 ; Story st., 1873 ; laid out, from G st. to H st., June 30, 1890.
- \***Stoughton street**, B. ; from Harrison av. to Albany st., between E. Concord st. and E. Newton st. ; named from Harrison av., opposite Burying-ground, to Roxbury Channel in South bay, May 14, 1849 ; accepted, Oct. 30, 1860.
- \***Stoughton street**, Dor. ; from Upham's corner to Pleasant st. ; altered near Deacon James Humphrey's house, April, 1800 ; street from Roxbury line through Burying-place lane called Stoughton st., March 11, 1840 ; altered near Brook st. and Cottage (now E. Cottage) st., June, 1856 ; widened to about 60 feet, Oct., 1871 ; name of part from Brook av. to Upham's corner changed to Dudley st., June 30, 1874.
- Stoughton-street place**, Dor. ; from Stoughton st., south, near Everett av.
- Stratford avenue**, Dor., 1893 ; between Anawan av. and the N.Y., N.H. & H. R.R. ; authority to open given by Street Commissioners, Nov. 17, 1893.
- Stratford street**, Dor., 1893 ; from Waldeck st., west, between Park st. and Linsey st., near the Shawmut branch of the O.C. (now N.Y., N.H. & H.) R.R. ; authority to open given by Street Commissioners, Jan. 18, 1893.
- Strathmore road**, Bri., 1891 ; between Chestnut Hill av. and Commonwealth av. ; authority to open given by Street Commissioners, Oct. 1, 1891.
- Strong place**, B. ; from Cambridge st., south, between Anderson st. and Grove st.
- Studley place**, B. ; from Eliot st., north, near Pleasant st. ; same in 1870.
- \***Sturbridge street**, Dor., 1890 ; from River st. to Sanford st. ; laid out, Dec. 18, 1890.
- Sturgis place**, B. ; from Pearl st., east, near Milk st., 1833 ; included in Sturgis st., July 23, 1869 ; now Franklin st.
- Sturgis street**, B. ; from Pearl st. to Broad st., including Baker's alley, Sturgis pl. and Hamilton pl. ; laid out, July 23, 1869 ; portions discontinued, April 15 and July 17, 1871 ; name of Sturgis st., from Oliver st. to Broad st., changed to Franklin st., Sept. 30, 1873.
- Sudbury place**, Rox. ; from Weston st., south-west, between Tremont st. and Windsor st.
- Sudbury square**, B. ; from Sudbury st., west of 50 Portland st. ; same in 1709 ; the north part of Sudbury st. and west of Cold lane (now Portland st.).

- \*Sudbury street, B.;** from Haymarket sq. to Court st.; from the head of School st. to the Mill-pond and Cold lane (now Portland st.), 1654; from the sign of the Orange Tree, at the corner of Hanover st., to the Mill-pond, and from thence to the lower end of Cold lane, 1708; the remainder of the street being called Sentry st.; extended through Deacon st. to Merrimac st., Sept. 2, 1839; from Court st. to Portland st., 1850; Deacon st., from Portland st. to Merrimac st., at Haymarket sq., considered as continuation of and named Sudbury st., April 14, 1851; at one time the easterly end of Court st. was called Sudbury st.; the only street which, existing in Boston in 1645, retains at this day its original name.
- Sudbury street, Rox.;** from Tremont st. to Cabot st.; accepted and named conditionally, March 11, 1844; accepted finally, March 3, 1845; name changed to Weston st., April 21, 1868.
- Suffolk avenue, B.;** from Cornhill sq., west, 1820; named Court av., 1837.
- Suffolk Buildings, B.;** cor. of Congress st. and State st., 1817.
- Suffolk court, B.;** from Washington st., east, 1806; called Suffolk pl., 1809.
- Suffolk Inns, B.;** on the passageway from Cornhill (now Washington st.) to the new Court-house, 1812.
- Suffolk place, B.;** from Bedford st., south-west; Suffolk court from Washington st., east, called Suffolk pl., 1809; to Bedford st., 1839; now built over.
- Suffolk place, Rox.;** from the end of Putnam pl., east, then south; name changed to Putnam pl., May 31, 1870, but still called Suffolk pl. on chart 1884 and 1890.
- Suffolk street, B.;** from W. Castle st. to Dover st., 1829; laid out from South Bridge in rear of Franklin School-house to westerly bounds of City lands, Dec. 13, 1830; street between Washington st. and Tremont st., parallel with Washington st., to Roxbury line named Suffolk st., Sept. 15, 1834; part between Dover st. and Castle st. made in 1836-37; laid out and extended from Camden st. to Lenox st., July 1, 1844; part south of Dover st. called S. Suffolk st., 1849-51; from Dover st. to Roxbury line called Shawmut av., Oct. 20, 1851; from Dover st. to Castle st. named Shawmut av., 1870.
- Suffolk street, Bri.;** from Brighton (now Commonwealth) av., nearly opposite Malvern st., to Brookline line; abandoned.
- Suffolk-street passageway, B.;** passageway 20 feet wide laid out between land of George Archibald on south-easterly side of Suffolk st., July 25, 1831.
- Sullivan place, B.;** from Federal st., west, near Franklin st.; same in 1824.
- Sullivan square, Chsn.;** between Main, Cambridge, Sever and Gardner sts.; square at the Neck in front of Hotel of Richard Sullivan named Sullivan sq., Jan. 17, 1848; enlarged, Dec. 17, 1867.
- Sullivan street, So. B.;** from D st. to Old Harbor st.; the westerly portion accepted, July 5, 1860; about 40 feet east from D st. laid out as a public street, Sept. 17, 1867; laid out from D st. to Old Harbor st., Nov. 17, 1868; name changed to Ninth st., Nov. 17, 1868.
- \*Sullivan street, Chsn.;** from Main st. to Bunker Hill st.; from Main st. to Bartlett st. accepted as Graves st., Nov. 28, 1831; land given to Town by Richard Sullivan as continuation of Graves st. from Russell st. to Bunker Hill st., Oct. 23, 1834; same accepted, Nov. 10, 1834; no record of change of name, but same soon after called Sullivan st.
- Summer place, B.;** from Arch st., west, near Franklin st.; Bussey pl. so called for a short time previous to 1842.

- \***Summer street, B.**; from Washington st. to Federal st.; from Washington st. to the sea, 1683; at some time previous to 1708 called the Mylne st.; called also Seven Star lane, 1758-73; owners have named a private way from Atlantic av., south-easterly, nearly opposite junction of Summer st. and Federal st., Summer st.
- †**Summer street, W. Rox.**; from Spring st. to and across Ashland st.; same in 1874; laid out from Spring st. to Autumn st., April 29, 1878.
- \***Summer street, Chsn.**; from Elm st. to Pearl st.; Oliver Holden conveyed to Town a parcel of land already used as a road called Summer st. running from Elm st., north-west, July 17, 1819.
- Summer street, Bri.**; from Washington st. to Warren st., near Brookline line.
- \***Summit avenue, Bri.**; from Brookline line to Massachusetts (now Commonwealth) av.; laid out from Allston st. to Brookline line, by County Commissioners in 1867; laid out, Dec. 18, 1878, from Allston st. to Massachusetts av., May 7, 1884.
- Summit street, Rox.**; from Circuit st. to Regent st.; laid out, with name of Herman st., Dec. 28, 1888.
- Summit street, W. Rox.**; from Metropolitan av., south-westerly, across Hemman st.; same in 1874.
- Sumner court, Dor.**; from Sumner st., south-easterly; formerly called Gulliver court and later Sumner-st. pl.
- Sumner place, B.**; from Friend st., north, between Hanover st. and Sudbury st., 1850; closed.
- Sumner place, E.B.**; from Sumner st., near Seaver st., south-easterly.
- Sumner place, Rox.**; from Cabot st., south-easterly, near Vernon st.
- Sumner street, B.**; from Beacon street, north; called Sentry st., 1708-1800; from Beacon st., north, then west, around the new State House to Belknap (now Joy) st., 1800; extended west through Olive st. to Charles st., 1824; Temple st. extended over part running east of the State House to Beacon st., 1824; name changed to Mt. Vernon st., Aug., 1832.
- \***Sumner street, E. B.**; from New st. to and crossing Jeffries st., with extension from New st. to Week's wharf; laid out from Orleans st. to London st., Aug. 7, 1848; accepted, Aug. 27, 1849; accepted from Cottage st. to Orleans st., May 10, 1852; accepted from Cottage st. to the water and from London st. to New st., Oct. 25, 1852.
- Sumner street, Rox.**; from Main (now Washington) st. in Roxbury, continued till it meets another street opposite Capt. Aaron Davis' house; accepted, being commonly called Sumner st., April 1, 1816; from Washington st. by Sumner School-house to Davis (now Albany) st., named, May 9, 1825; extended to Mall st., April 2, 1855; lands exchanged to straighten line, Feb. and July, 1860; name changed to Palmer st., April 21, 1868.
- \***Sumner street, Dor.**; from Stoughton st. to Cottage (now E. Cottage) st.; named from Myrtle (now E. Cottage) st. by No. 1 School-house to Stoughton st., March 11, 1840; accepted, April 6, 1840.
- Sumner-street place, Dor.**; from Sumner st., south-east; formerly called Gulliver court and now Sumner court.
- Sun court, B.**; the way leading south-easterly, from the North Meeting-house into Fish (now North) st., 1708; by plan of 1722 from Fleet st., south-westerly, by the North Meeting-house, then south-easterly, to Fish st. and down to the sea; from Fish st., north-west, to Clarke's (now North) sq., Moon st. being extended over the remainder to Fleet st., 1784; called Sun-court st., 1811.
- \***Sun-court street, B.**; from Moon st., at North sq., to North st.; from 1708 called Sun court; called Sun-court st. in "Selectmen's Records," Nov. 27, 1811.

- \***Sunderland street**, Rox.; from Warren st., opposite Crawford st., to Blue Hill av., opposite Stanwood st.; laid out, Oct. 6, 1880.
- Sunny court**, Rox.; from Lamartine st., north-west, between Roys st. and Hoffman st.
- \***Sunnyside street**, Rox., 1892; from Centre st., north, then west to Creighton st.; a private way called 'Sunnyside terrace, laid out, with name of Sunnyside st., Dec. 28, 1892.
- Sunnyside terrace**, Rox.; from Centre st., north, then west to Creighton st.; laid out, with name of Sunnyside st., Dec. 28, 1892.
- Sunset avenue**, W. Rox.; from Wenham st.
- \***Sunset street**, Rox., 1891; from Parker Hill av. to Hillside st.; laid out, July 2, 1891.
- Surrey street**, W. Rox.; from Canterbury st. to the railroad, 1849; not in existence in 1874.
- \***Surrey street**, Bri.; from Market st. to Foster st.; laid out, from Parsons st. to Foster st., Sept. 4, 1884; at one time known as Kensington st.
- \***Sussex street**, Rox., 1887; from Hammond st. to Warwick st.; laid out, Feb. 25, 1887.
- \***Sutherland road**, Bri.; from Beacon st. to Commonwealth av.; name of Isleworth st., from Beacon st. to Englewood av., changed to Sutherland road, March 1, 1892; laid out, from Englewood av. to Commonwealth av., Oct. 11, 1892.
- Sutton street**, W. Rox.; from Berry st. to Gilman st.
- Sutton street**, Dor.; from Morton st. to Woolson st.
- Swallow street**, So. B.; from N st., easterly, between E. Fifth st. and E. Sixth st.
- Swallow street**, W. Rox.; from La Grange st. to Cottage av.
- Swan avenue**, E.B. (Breed's Island); from Ashley av. to Belle Isle inlet; Bromley's atlas, 1892.
- Swan court**, Dor.; from Richmond st., between Butler st., and Adams st.
- Swan place**, So. B.; from Swan st., north-east, opposite Ontario st.; discontinued and taken into estate of the O.C. (now N.Y., N.H. & H.) R.R. Co., under authority of chapter 127 of the Acts of the Legislature of 1893.
- \***Swan street**, So. B.; from Dorchester av. to Foundry st.; accepted conditionally, Oct. 29, 1849; accepted, Dec. 18, 1854; laid out, Nov. 17, 1868; discontinued and taken into estate of the O.C. (now N.Y., N.H. & H.) R.R. Co., under authority of the Acts of the Legislature of 1893.
- Swan street**, W. Rox.; from Martin st, south-east, 1849; not in existence in 1874.
- Swan's court**, Dor.; from Olney st., south, near Blakeville st.; given in directory only.
- Sweetser's alley**, B.; from Newbury (now Washington) st., east, nearly opposite Sheafe's lane (now Avery st.), 1798; called Sweetser's court, 1809; Chickering pl., 1855.
- Sweetser's court**, B.; see Sweetser's alley.
- \***Swett street**, Rox. and So. B.; from Albany st. across South bay to Dorchester av.; accepted from Northampton st. at junction with Albany st. to street leading to wharf of Thomas Simmons, March 7, 1859; width established from Davis (now Albany) st. to Canal (now Hilton) st., June 25, 1866; laid out from Albany st. to junction Boston st. and Dorchester av., Jan. 2, 1875.

- †**Swift street**, E.B. ; from Saratoga st. to proposed part of Coleridge st. ; laid out from Bennington st. to Saratoga st., Aug. 7, 1848.
- Swift's corner**, B. ; cor. Lynn (now Commercial) st. and Henchman's lane (now Henchman st.), 1800.
- Swing bridge lane**, B. ; from Ann (now North) st. to the Swinging-bridge, across the Town Dock, 1708 ; made part of Merchants' row, 1825.
- †**Sycamore street**, W. Rox. ; from Florence st. to Kittredge st. ; laid out between Ashland st. and Poplar st. over private way called Albion st., July 6, 1880 ; from Ashland st. to Florence st., Aug. 28, 1891 ; on chart, 1874, part from Roslin av. (now Kittredge st.) to Ashland st. called Mt. Vernon st. and part from Ashland st. to Florence st. called Albion st. ; no further record of changes of name.
- Sydney place**, Dor. ; from Harvard st., westerly, then northerly, curving to meet end of Waterlow st. ; now Clinton st. and a part of Waterlow st.
- \***Sydney street**, Dor. ; from Savin Hill av. to Crescent av. ; laid out from Savin Hill av. to Harbor View st., Aug. 11, 1892 ; from Harbor View st. to Crescent av., Oct. 16, 1894.
- \***Sylvia street**, W. Rox., 1891 ; from Washington st. to Forest Hills st. ; Bond av. laid out, with name of Sylvia st., July 17, 1891.
- \***Symmes street**, W. Rox., 1890 ; from Fairview st. to Walter st. ; laid out, Feb. 11, 1890.
- T wharf**, B. ; from Atlantic av., opposite S. Market st.
- \***Taber street**, Rox., 1868 ; from Warren st., south-east, crossing Harrison av. and Winslow st. ; accepted as Union st., March 1, 1819 ; named Taber st., April 21, 1868.
- Taft court**, W. Rox. ; from Corinth st., nearly opposite Cohasset st., north-east, towards South st.
- Taft's place**, W. Rox. ; from South st., north-east, near Washington st.
- \***Talbot avenue**, Dor. ; from Blue Hill av. to Dorchester av. ; first projected from junction Harvard st. and Blue Hill av., easterly, to N.Y. & N.E. R.R. ; Directory 1884 gives same from Washington st. cor. of Norfolk st. to Blue Hill av. cor. of Harvard st. ; laid out from Blue Hill av. to Washington st., March 29, 1888, and from Washington st. to Dorchester av., including a part of Argyle st., Oct. 10, 1892.
- \***Tamworth street**, B., 1880 ; from Boylston st. to La Grange st. ; called Lowell court, from Boylston st., south, 1806 ; Lowell pl., 1809 ; laid out as Tamworth st., April 28, 1880.
- Tanner's lane**, B., 1708 ; from Milk st. to Water st. ; called also Horn lane and Horse lane, 1795-1806 ; called Bath st., 1807 ; parts afterwards included in extension of Pearl st. and Post Office sq.
- Tattle street**, B. ; Hawkins st., from Cambridge st., north, then east, to Sudbury st., was sometimes so called, 1756-84, and according to Drake, commonly so called in 1800.
- Taylor avenue**, Dor. ; from Stoughton (now Dudley) st., northerly, 1874 ; included in extension of Clifton st., June 15, 1883.
- \***Taylor street**, B. ; from Dwight st. to Milford st. ; same in 1844 (from Groton st. to S. Lowell st.) ; laid out, March 1, 1875.
- Taylor street**, Dor. : from Neponset av. to Water st. ; part from Water st. to O.C. (now N.Y., N.H. & H.) R.R. laid out by Selectmen, March 21, 1866. and accepted by Town, April 2, 1866 ; laid out from Neponset av. to Wood (now Rice) st., Jan. 31, 1876.
- Taylor street**, Dor. : from Dudley st. to Clifton st. ; laid out as Burgess st., July 12, 1888.

**Taylor street**, Bri. ; from Lake st., near Washington st., south-east.

**Teevan place**, Rox. ; from 581 Shawmut av., near and north of Lenox st.

\***Telegraph street**, So. B. ; from Dorchester st. to Old Harbor st., opposite Thomas park ; laid out and extended 516 feet southerly from Dorchester st., to Dorchester st., Nov. 17, 1868.

**Telegraph Hill**, So. B. ; formerly Dorchester Heights.

**Temple avenue**, B., 1833 ; from Washington st., west, to Temple pl. ; called Washington court, 1826 ; Temple av., 1833 ; included in Temple pl., 1864.

**Temple park**, B., 1879 ; from Washington st., near S. May (now Savoy) st. ; called Sands pl., 1859 ; Ottawa pl., 1873 ; Temple park, 1879 ; and is now called Mechanics row.

\***Temple place**, B., 1830 ; from Tremont st. to Washington st. ; called "Turn-againe alley from ye Comon, easterly," 1708 ; from Tremont st., east, north of West st., 1830 ; extended to Washington st., 1864 ; named Autumn st., May 15, 1865 ; renamed Temple pl., May 23, 1865 ; name of Avon st. given to Temple pl. and Avon pl., March 30, 1869 ; again changed to Temple pl., June 9, 1869.

**Temple place**, Dor. ; from Temple st., west, to unnamed st. (now Sturbridge st.) ; laid out as Monson st., March 21, 1890.

\***Temple street**, B., 1769 ; from Cambridge st. to Derne st. ; from Cambridge st. to the foot of Beacon Hill, 1769 ; extended to Sumner (now Mt. Vernon) st. 1820 ; the part of Sumner st. which runs east of the State House to Beacon st. named Temple st., July 6, 1824 ; same part named Mt. Vernon st., 1832 ; part of Temple st. south of Derne st. included in State House grounds by authority of an act of the Legislature.

†**Temple street**, Dor. ; from River st., north, crossing Sanford st. ; from River st. to Sanford st. laid out and widened, Feb. 20, 1852.

†**Temple street**, W. Rox. ; from Baker st. crossing Mt. Vernon st. to West Roxbury Branch R.R. ; laid out from Ivory st. to Mt. Vernon st., July 16, 1877 ; laid out from Mt. Vernon st. to Baker st., Sept. 14, 1894.

**Temple street**, Chsn. ; from Dorrance st. to Sherman st.

**Templeton street**, Dor. ; from Adams st. to Dorchester av. ; from Adams st., south-west, for a distance of about 800 feet, in 1884.

\***Tenean street**, Dor. ; from Freeport st. to Fulton st., parallel with O.C. (now N.Y., N.H. & H.) R.R. ; located from Water st. to Commercial (now Freeport) st., March 26, 1860.

**Tennis court**, B. ; from Buckingham st., north, then east, near Dartmouth st.

\***Tennyson street**, B. ; from Columbus av. to Pleasant st. ; from Church st., west, opposite Berlin st., 1856 ; name of Berlin st. from Pleasant st. to Church st. changed to Tennyson st., April 20, 1869.

**Terrace avenue**, W. Rox., 1874 ; from Sheridan av. (now st.), south-west-erly, then south-easterly ; part laid out as Cranston st., Nov. 11, 1890.

**Terrace avenue**, E.B. ; from Washburn av. (now Walley st.) to Chelsea av. ; part between Walley st. and Breed st. laid out, with name of Gladstone st., Aug. 23, 1886.

**Terrace place**, E.B. ; from Webster st., near Seaver st., south-west, then south-east, parallel with Marginal st. ; part from Webster st., south-west, then south-east, crossing Ida st., laid out with name of Brigham st., Nov. 26, 1892 ; part from Webster st., opposite Lamson st., to Brigham st., laid out with name of Ruth st., Nov. 26, 1892 ; part between Ruth st. and Brigham st. laid out as Ida st., Nov. 26, 1892.

\***Terrace street**, Rox. ; from Tremont st. to New Heath st. ; from New Heath st. to Alleghany st., 1873 ; Gore av. laid out in part (about 200



feet south-west from Tremont st.), April 17, 1875; name of last mentioned part changed to Terrace st., Sept. 23, 1875; laid out from New Heath st. to Tremont st., including another part of Gore av., Oct. 9, 1875.

\***Terry street**, Rox., 1888; from Tremont st. to Columbus av.; Tremont pl., from Tremont st. to Cary st., laid out, Dec. 20, 1875, and named Terry st., March 1, 1888; part between Columbus av. and Cary st. discontinued, Jan. 4, 1895.

**Texas avenue**, Rox.; from Tremont st. to Elmwood st.; laid out as Texas st., Oct. 1, 1886.

**Texas court**, Rox.; from Texas st., south-west.

\***Texas street**, Rox., from Tremont st. to Elmwood st.; Texas av. laid out as Texas st., Oct. 1, 1886.

**Texas street**, Bri., 1882; from Third st. to Fifth st., near and parallel with B. & A. R.R.; now in Brighton cattle-yards.

**Thacher avenue**, B., 1835; from Thacher st. to Cooper st.; laid out as Lynn st., Sept. 10, 1884.

**Thacher avenue**, Dor.; from Sawyer av., north-west; laid out as Cushing av. and extended to Hancock st., in part over Upham av., Oct. 28, 1881.

**Thacher court or place**, B.; from Thacher st., north, opposite Lynn st.; called Thacher-st. court, 1833; Thacher court, 1859; called both Thacher court and Thacher pl., 1884; and Thacher court, 1890.

\***Thacher street**, B., 1807; from Prince st. to Charlestown st.; laid out on the Mill-pond and named, 1807; from Prince st. to Charlestown st., 1822; mistake in location rectified, 1827.

**Thacher-street court**, B., 1833; from Thacher st., north; called Thacher court or pl., 1859, and Thacher court, 1890.

**Thaxter place**, B., 1831; from Front st. (now Harrison av.), opposite Harvard st.; probably included in Harvard st. on its extension east in 1836.

**Thayer street**, B.; from Harrison av. to Albany st., south of Bristol st.

**Theatre alley**, B., 1796; from Milk st. to Franklin st.; called Dinsdale's alley earlier; from Milk st. to rear of theatre, 1817; south part called Odeon av., 1842-48; Devonshire st. extended through it in 1859.

\***Thetford avenue**, Dor.; from Norfolk st. to Evans st.; laid out, Sept. 27, 1875.

\***Third street**, So. B., 1805; laid out parallel with Broadway, and named, Feb. 27, 1805; portion between M st. and N st. discontinued, Dec. 31, 1857; laid out from Second (now W. Second) st. to Dorchester st., thence to M st. and from N st. to low-water mark, Nov. 17, 1868; called E. and W. Third sts., Feb. 18, 1873.

**Third street**, Chsn.; from Lynde st. to the railroad; accepted from Lynde st. to Front st. by plan, Oct., 1860; discontinued and part taken by the Eastern (now B. & M.) R.R. by authority of an act of the Legislature.

**Third street**, Bri., 1882; from N. Beacon st. to Texas st.; now in Brighton cattle-yards.

**Third-street court**, So. B.; from 259 W. Third st. to Athens st., between E st. and F st.

**Third-street place**, So. B.; from 239 W. Third st., near E st., south-westerly; also called W. Third-st. pl.

**Thirteenth street**, Rox.; from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.; abandoned.

**Thirty-feet passage**, B., 1784; from Wiltshire (now Chambers) st., west; called S. Allen st., 1807; McLean st., 1829.

- \***Thomas Park**, So. B.; around Telegraph Hill from G st., crossing Linden, Pacific, Atlantic, National and Old Harbor sts., to G st. again; laid out as Thomas st., Nov. 17, 1868; named Thomas park, June 22, 1878.
- \***Thomas street**, So. B.; around Telegraph Hill, 1855; laid out, Nov. 17, 1868; name changed to Thomas park, June 22, 1878.
- \***Thomas street**, W. Rox.; from Centre st. to Brewer st.; laid out, March 19, 1875.
- Thomas's corner**, B., 1708; cor. of Ann st. and Paddy's alley (now North st. and N. Centre st.) then so called.
- \***Thompson square**, Chsn., 1875; junction of Main st. and Warren st.; name of La Fayette sq. changed to Thompson sq., July 19, 1875.
- \***Thompson street**, Chsn.; from Main st. to Warren st.; street to be laid out to cost \$1,000, May 13, 1805; land conveyed by Oliver Holden and Timothy Thompson, 1805.
- \***Thompson's court**, B., 1856; from Revere st., north, near Grove st.
- Thorn street**, B.; from E. Canton st. to E. Dedham st.; named, April 1, 1873; shown on atlas of 1890 as extending as far south as Stoughton st.
- \***Thorndike street**, B.; from Washington st. to Harrison av.; laid out, Sept. 25, 1874.
- Thorndike street**, Chsn.; from Main st. to Rutherford av.; same in 1875.
- \***Thornley street**, Dor.; from Dorchester av. to Pleasant st.; laid out, Sept. 10, 1874.
- Thornton place**, Rox.; from Thornton st., south-easterly, near and south of Valentine st.
- \***Thornton street**, Rox.; from Guild st. to Marcella st.; name of Edinboro' st. (from Cedar st. to Ellis st.) changed to Thornton st., April 21, 1868; laid out from Ellis st. to Shawmut av. (now Washington st.) and westerly over part of Vale st. to Marcella st., Oct. 25, 1873; part from Washington st., westerly, to Thornton st. "as recently laid out," named Valentine st., Oct. 19, 1875; extended from Cedar st. over part of Cedar sq. to Guild st., Dec. 10, 1881.
- \***Thwing street**, Rox., 1889; from Highland st., near Fulda st.; Thwing terrace laid out as Thwing street, March 19, 1889.
- Thwing terrace**, Rox.; from Highland st., north-west; laid out as Thwing st., March 19, 1889.
- \***Tibbett's Town way**, Chsn.; from Mill st. to Rutherford av.; called Tibbett's Town way on chart, and shown on plans as extending nearly to Somerville line.
- Tilden place**, Rox.; from Auburn st., south-west, between Ruggles st. and Vernon st.; named, Sept. 1, 1868.
- Tileston avenue**, Dor.; from Blue Hill av., south of Walk Hill st., north-west, then north-east, crossing Walk Hill st. to another part of Tileston av., leading from Blue Hill av., north of Walk Hill st.; authority to open and extend the part north of Walk Hill st. given by Street Commissioners, Sept. 14 and Dec. 26, 1894.
- Tileston court**, } B.; from Tileston st. to Webster av.; from Tileston st.,  
**Tileston place**, } near Hanover st., 1837.
- Tileston place**, Dor.; from 134 Neponset av., east, nearly opposite King st.
- Tileston square**, B.; from Atlantic av., south-east, between Congress st. and Summer st.
- \***Tileston street**, B., 1821; from Hanover st. to Salem st.; called Love lane, 1708; also North Writing School st., 1789; named Tileston st., June 20, 1821.

- Tileston street, B.**; from Fellows st., north-westerly, near Northampton st.
- Tileston street, Dor.**; from Blue Hill av., near Walk Hill st., north-westerly; now called Tileston av.
- Tileston wharf, B.**; from Atlantic av., south-easterly, near N.Y. & N.E. R.R.; now built over.
- Tilley's lane, B.**; from Cow lane (now High st.) to Belcher lane (now Purchase st.); the third street from Summer st., shown in 1722; named, 1732; called Gridley's lane, 1795; Gridley st., from High st. to Purchase st., 1825.
- Tillson's lane, B.**; Wilson's lane so called on plan, 1789.
- Tirrell's wharf, B.**; from Shaving st., easterly.
- Tolman lane, Dor.**; from angle in Ashmont st., south-westerly, nearly to Washington st.; part of now included in Burt av.
- Tolman place, Rox.**; from Warren st., west, between St. James st., and Walnut av.
- \***Tolman street, Dor.**; from Neponset av. to Norwood st.; laid out, Dec. 8, 1893.
- Tontine buildings, B.**; in Franklin pl., 1793.
- \***Topliff street, Dor.**; from Bowdoin st. to Geneva av.; laid out, Oct. 3, 1891.
- Torrey street, Dor.**; from Washington st. to Wentworth st.
- Tower street, W. Rox.,** 1892; near Hyde Park av. and Forest Hills cemetery; authority to open given by Street Commissioners, May 4, 1892.
- Town dock, B.**; originally an arm of the Town cove, sweeping inward from near the corner of the present Merchants' row and S. Market st., on the south, and from Ann (now North) st. on the opposite side, extending northwardly, almost to the foot of Brattle st.; first called Bendall's dock, afterwards Town dock; connected by Mill-creek with Mill-pond; Swing bridge was built across nearly on line with present Merchants' row and a market place set up; all the north side of the Dock seems to have been known as the Fish market, 1708; Corn market and Corn court were on the south side of the dock, 1708.
- Town dock, Chsn.**; to be filled up and street laid out thereon, Feb. 4, 1839; report of commissioners laying out Gray st. over Town dock from Chelsea st. to Water st., March 28, 1842.
- Town Hill court, Chsn.**; from Harvard sq. to City sq.; part of now a covered passage.
- Town Hill street, Chsn.**; "doings of Selectmen in relation to fixing boundaries of Town Hill st.," confirmed, March 28, 1836; name changed to Harvard st., Nov. 7, 1836.
- Town Meeting square, Dor.**; junction Pond st., E. Cottage st. and Pleasant st.; named, Jan. 24, 1894.
- Town way, Bri.**; private way from Market st., opposite house of Edward C. Sparhawk, to Parsons st., laid out as Town way, May 23, 1870; accepted as Arlington st., June 24, 1870.
- Townsend place, B.,** 1841; from Commercial st., opposite Bartlett's wharf; sometimes called N. Townsend pl.; part of included in Commercial st. when widened in 1879; now included in park.
- Townsend place, B.,** 1844; from Carver st., east, and then south, near Boylston st.; sometimes called S. Townsend pl.
- \***Townsend street, Rox.,** 1868; from Washington st. to Warren st.; name of Otis st. changed to Townsend st., April 21, 1868; laid out, from Warren st. to Walnut av., Jan. 6, 1872; laid out from Walnut av. to Washington st., July 26, 1875.

- Townsend street**, Chsn., 1831; from Adams st. to Chelsea st.; name of Shippie st. changed to Townsend st., March 14, 1831; name of Townsend st. changed to Chestnut st., June 20, 1846.
- Townsend's corner**, B., 1708; cor. of Tremont st. and School st., the southerly termination of Tremont st., 1708.
- \***Train street**, Dor., 1852; from Ashmont st. to Mill st.; accepted and named, Dec. 22, 1852.
- Trainer court**, B., 1851; from Lenox st. to Winfred court: from Lenox st., south, near Shawmut av., 1851; Trainer court and Winfred court included in the laying out of Dillon st., from Lenox st. to Sawyer st., Oct. 24, 1887.
- Taining-field**, Chsn.; the square "anciently called; Training-field," named Winthrop sq., Jan. 17, 1848.
- Training-field street**, Chsn.; from the Training field to Back (now Warren) st.; laid out wider, May 12, 1804; accepted as so laid out, Jan. 7, 1805; laid out, May 21, 1827; name changed to Winthrop st., Dec. 5, 1836.
- \***Transit street**, Rox., 1881; from Cabot st. to Newbern st.; laid out, Sept. 23, 1881; name changed to Sterling st., March 1, 1884; also name of that part of Newbern st., from Tremont st. to Transit st., changed to Sterling st., March 1, 1884.
- Trant's alley**, B., 1849; from Ann (now North) st., near North sq.; probably now N. Brimmer pl.
- Trask place**, Rox.; from Yeoman st. to Orchard st.; that part of Eaton st., between Yeoman st. and Orchard st., so called previous to 1870; part from Yeoman st. to Orchard park laid out as Chadwick st., May 24, 1870, and extended to Hartopp pl. (now Ambrose st.), Dec. 31, 1870; part from Orchard st. to Hartopp pl. laid out as Orchard Park-st., Feb. 19, 1876.
- Travers place**, Rox.; from Adams st., north-west, between Eustis st., and Orchard Park st.; Directory gives this as Edwards pl. from 37 Adams st.
- \***Traverse street**, B., 1807; from Merrimac st. to Charlestown st.; laid out on the Mill-pond and named, Aug., 1807.
- Travises corner**, B., 1708; cor. of Prince st. and Snowhill st.
- Tremlett park**, Dor.; from Hooper st. to Waldeck st., authority to open given by Street Commissioners, Oct. 1, 1891; laid out as Tremlett st., Aug. 10, 1893.
- \***Tremlett street**, Dor., 1885; from Washington st. to Waldeck st.; laid out from Washington st. to Hooper st., Sept. 16, 1885; authority to open Tremlett park from Hooper st. to Waldeck st. given by Street Commissioners, Oct. 1, 1891; Tremlett park laid out as Tremlett st., from Hooper st. to Waldeck st., Aug. 10, 1893.
- Tremont court**, Rox.; from Terry st., north-east.
- Tremont court**, Chsn.; from 38 Tremont st., north-easterly.
- Tremont place**, B., 1829; from Beacon st., south, to the Granary Burying-ground.
- Tremont place**, B., 1805; from Tremont st., west, next north of Beacon st., opposite the Chapel, Tremont st., 1817; called Phillips pl., 1829.
- \***Tremont place**, Rox.; from Tremont st. to Cary st.; laid out, Dec. 20, 1875; name changed to Terry st., March 1, 1888.
- Tremont place**, Chsn.; from 22 Tremont st., north-easterly.
- \***Tremont row**, B., 1837; from Howard st. to Pemberton sq.; called Sudbury st., 1654; called Pemberton Hill by Hale's plan, 1814; called Tremont row, from Beacon st. to near the cor. of Howard st., 1837; name changed to Tremont sq. and changed back to Tremont row, 1850;

from Pemberton sq. to Howard st., part of Tremont st., 1852; Tremont row and Court st. widened by removal of Scollay's building and steamer house No. 4, Nov. 4, 1870.

\***Tremont street**, B. and Rox., 1708; from Court st. at Scollay sq. to Huntington av. at Francis st.; called at different times Tra Mount, Tremont, Tremount and Tremont; from School st. to Court st. called Sudbury st., 1654; from Hanover st. to School st. called Tra Mount st., 1708; in 1741 the part from Frog lane (now Boylston st.) to Orange (now Washington) st., was called also Walker's lane or st.; about 1777, from School st. to Winter st. was called Long Acre; between West st. and Common st. was called Colonnade row in 1810, and Fayette pl., 1825-37; from Howard st. over Pemberton Hill through Tremont, Common and Nassau sts. to Washington st. named Common st., 1824; same named Tremont st., 1829; part from School st. to Frog lane, called Common st., 1722-1824, when it was included in Common st. as above; from Frog lane to Hollis st., 1733, and from Frog lane to Dr. Byle's house, at cor. of present Common st., 1744, called Clough st.; same called Holyoke st., 1750; Nassau st., 1788; included in Common st., 1824; Tremont st., constructed from city lands, south, to Dedham st., June 9, 1831; continued to meet street then making in Roxbury, July 11, 1831; deed of F. C. Lowell of land formerly Cabot st., to be used as extension of Tremont st., June 18, 1832; from street next south of Dedham st. to Roxbury line, opened for public travel, Sept. 17, 1832; from Pleasant st. to city lands (except 106 feet) accepted, Oct. 15, 1832; altered at junction of Pleasant st., July 29, 1833; street extending from Tremont st. to Roxbury named Tremont st.; from Byle's cor. to Washington st. called Common st., Dec. 30, 1836; from Howard st. to Tremont st., formerly called Common st. or Pemberton Hill, named Tremont st., Nov. 4, 1844; part in Roxbury extended by County Commissioners of Norfolk for 2 miles and 6 rods from end of Tremont st. at city line to Guy Carleton's morocco factory, intersecting the Worcester turnpike, Oct., 1831; the road leading from near Hog bridge in Roxbury to Boston line being circuitous, same altered and straightened by construction of new highway from near Hog bridge down the vale of Stony Brook to near Guy Carleton's morocco factory, and thence to line of city of Boston, April, 1832; new road named Tremont st., May 25, 1832; accepted by County, Oct. 15, 1832; the south-westerly end where it intersects the old road from Roxbury to Brookline being unsafe because of close proximity of B. & P. (now N.Y., N.H. & H.) R.R. and sharp curve from Lowell st. (later Pynchon st., now Columbus av.), widened, June, 1825; name of Washington st. from Tremont st. to Brookline line, changed to Tremont st., April 21, 1868; Tremont st. from Francis st. to Brookline line included in the widening and extension of Huntington av., Jan. 5, 1895.

\***Tremont street**, Chsn.; from Monument sq. to Chelsea st.; name of part from Lexington st. to Concord st. changed to Monument sq., Feb. 2, 1860; laid out as a public way from Lexington st. to Edgeworth st., Sept. 7, 1863; name of Jay st. (from Chelsea st. to Edgeworth st.) changed to Tremont st., making said street extend from Monument sq. to Chelsea st., Oct. 29, 1866.

\***Tremont street**, Bri.; from Washington st. at Oak sq. to Newton line; laid out by County Commissioners, July 25, 1861.

\***Trenton street**, E.B.; from Meridian st. to E. Eagle st.; accepted and laid out, July 19, 1852; accepted at junction Trenton st. and White st. and at junction Trenton st. and Eagle st., Nov. 1, 1858.

\***Trenton street**, Chsn.; from Bartlett st. to Bunker Hill st.; laid out and accepted, Dec. 14, 1859.

**Trescott place**, Dor.; from 41 Harvard st., north-west, then north.

**Trescott street**, Dor.; from Pleasant st. to F (now Bakersfield) st.; authority to open, under name of A st. given by Street Commissioners, May 4, 1892.

- †**Trinity place**, B., 1876; from Huntington av. to N.Y., N.H. & H. R.R.; from Huntington av. to St. James av. laid out, Nov. 24, 1876.
- Trinity triangle**, B.; area bounded by Huntington av., Trinity pl. and St. James av. sometimes so called; included in Copley sq., April 21, 1885.
- Trowbridge court**, Dor.; from Faulkner st. to railroad near Field's Corner station.
- \***Troy street**, B., 1845; from Harrison av. to Albany st.; laid out and widened, June 20, 1871.
- \***Trull street**, Dor.; from Hancock st. to Bellevue st.; laid out, Dec. 10, 1875.
- \***Trumbull street**, B.; from Newland st. to Ivanhoe st.; laid out, Nov. 9, 1870.
- Trumbull street**, E.B.; from end of Reynolds st. to end of Milton st.
- \***Truro street**, B.; from Yarmouth st. to Harwich st.; laid out, Oct. 21, 1882.
- Tucker place**, B., 1859; from 52 Joy st., west.
- Tucker street**, B., 1803; from Leverett st., east, then south, to Green st., 1803; called also New Prince st. previously to 1788; named Leverett pl. or alley, 1812; called Lyman pl., 1834; Lyman st., 1856; part of Lyman st., near Green st., included in Staniford st., May 11, 1886.
- Tucker street**, Dor.; from Lauriat av. to Chapman av.
- Tuckerman street**, B., 1831; from Dover st., north; named Parkman st., 1846; Albion st., 1849.
- Tuckerman street**, So. B.; from Dorchester st. to Short st.
- Tucker's corner**, B., 1800; cor. of Leverett st. and Green lane.
- †**Tudor street**, So. B.; from B st. to Dorchester st.; accepted and dedicated as a public highway between E st. and F st., Sept. 8, 1864; laid out between C st. and D st., Sept. 5, 1870; laid out between D st. and E st., Nov. 15, 1873; laid out between F st. and Dorchester st., Aug. 5, 1892.
- Tudor's buildings**, B., 1817; next the Court-house, Court st.; now part of Young's Hotel.
- Tufts court**, Chsn.; from Tufts st. to Corey st.; named Tufts-st. pl., July 21, 1869; called also Tufts-st. av. on atlas, 1885 and 1892.
- \***Tufts street**, B., 1855; from South st. to Kingston st.; South-st. pl. laid out, Oct. 23, 1855, and name changed to Tufts st., Dec. 18, 1855; laid out from Lincoln st. to Kingston st., Sept. 28, 1889.
- \***Tufts street**, Chsn.; from Bunker Hill st. to Medford st.; accepted from Bunker Hill st. to Benjamin Adams' line, March 24, 1834; continued to Lexington st., March 6, 1849; opened and graded from Tufts st. to Lexington st. (part last laid out), June 6, 1850; part leading from and at right angles with Lexington st. named Princeton st., Oct. 6, 1851; laid out and accepted from Princeton st. to Medford st., Sept. 15, 1856.
- Tufts-street avenue**, Chsn.; from Tufts st. to Corey st.; same named Tufts-st. pl., July 21, 1869; called also Tufts court, but Tufts-st. av. on atlas, 1885 and 1892.
- Tufts-street court**, Chsn.; south from Tufts-st. av.
- Tufts-street place**, Chsn.; from Tufts st. to Corey st.; named, July 21, 1869; called Tufts court by directories and Tufts-st. av. by atlas, 1885 and 1892.
- \***Tupelo street**, Rox.; from Savin st. to Quincy st.; laid out, Nov. 23, 1881.
- Turnagain alley**, B., 1708; the alley leading from the Common, east, on the north side of Madam Usher's house; name changed to Temple pl., 1830.

- Turner street, B. ;** George st., now Hancock st., so called at one time.
- \***Turner street, Rox. ;** from Haviland st. to Astor st. ; laid out, including a part of Francis st., Nov. 16, 1894.
- Turnpike street, So. B. ;** filled up and built from termination of South Boston turnpike (now Dorchester av.) at Broadway to new bridge at First (now W. First) st., Oct. 21, 1828; accepted between Dorchester line and Fourth (now W. Fourth) st., Sept. 27, 1852; name changed to Dorchester av., March 27, 1854.
- Turpin court, Dor. ;** from E. Cottage (formerly Cottage) st. between Sumner st. and Pleasant st., south-westerly; called Davis pl. on chart, 1884; now Cottage side, from E. Cottage st. to Willis st.
- Tuttle avenue, Dor. ;** from Savin Hill av. to Hartland st.; laid out as Tuttle st., Nov. 16, 1891.
- \***Tuttle street, Dor. , 1891 ;** from Savin Hill av. to Hartland st. ; Tuttle av. laid out as Tuttle st., Nov. 16, 1891.
- Twelfth street, Rox. ;** from St. Botolph st. to B. & P. (now N.Y., N.H. & H.) R.R.
- Twombly place, Rox. ;** from 783 Parker st.
- Tyler court, B. , 1844 ;** from Harrison av., opposite Pine st. ; closed.
- Tyler place, B. , 1842 ;** from Tyler st., near Kneeland st., easterly.
- \***Tyler street, B. , 1841 ;** from Beach st. to Curve st. ; from Beach st., south, called Buffalo st., 1839; extended to Curve st. and named Tyler st., 1841; accepted from Beach st. to Kneeland st., Oct. 5, 1846, also, Oct. 18, 1847; accepted from Harvard st. to Oak st., July 10, 1848; accepted from Harvard st. to Kneeland st. and also from Oak st. to Curve st., Jan. 5, 1856.
- Tyler's corner, B. , 1732 ;** cor. of Ann st. and Swing-bridge lane (now Hanover st. and Merchants' row).
- Tyng's alley, B. , 1712 ;** from Cornhill (now Washington st.) into Brattle st. ; named, May 12, 1712.
- Tyson street, Dor. ;** (proposed) from Boston st., opposite Harvest st., north-westerly; shown on atlas, 1884.
- \***Ulmer street, Rox. ;** from Minden st. to Arklow st. ; a portion of Health pl. from Minden st. to Arklow st. named Ulmer st., March 1, 1882.
- \***Union avenue, Dor. , 1869 ;** from Bowdoin st. to Geneva av. ; laid out from Bowdoin st. to Green st. (now Geneva av.), being called on Moseley's plan Smith av., Bowdoin av. and Love Lane av., but called Union av. throughout, Dec. 28, 1869; accepted as Union st., April 5, 1852; part between Geneva av. and Rosseter st. named Olney st., March 1, 1888; part between Olney st. and Bullard st. named Rosseter st., March 1, 1889; part between Bowdoin av. and Bowdoin st. being a continuation of Bullard st., named Bullard st., March 1, 1889.
- Union avenue, W. Rox. ;** from Walter st., near and north-east of South st. ; now included in Hewlett st.
- Union avenue, W. Rox. ;** from Green st. at Jamaica Plain station to Starr (now Everett) st., 1874; made part of Call st., Dec. 4, 1877.
- †**Union avenue, W. Rox. ;** from Washington st., north-west, then north-east, to Green st. ; same in 1874; part of from Green st. parallel with Washington st. laid out, Aug. 13, 1877.
- Union court, E.B. ;** from Everett st. to Maverick st., near B., R.B. & L. R.R.
- Union court, Chsn. ;** from Main st., westerly, near and south of Union st. ; same in 1875.

\***Union park**, B., 1851; from Shawmut av. to Montgomery st.; from Shawmut av. to Tremont st. called Weston st. or sq., 1826; named Union park, May 19, 1851; new street from Washington st. to Shawmut av. in continuation of Union park opened, May 3, 1852, and named Union park, May 24, 1852; accepted and laid out as a public highway, Oct. 17, 1855; portion from Washington st. to Shawmut av. named Union-Park st., April 23, 1856; laid out by Water Power Company, west of Tremont st. to street marked K (now Montgomery st.); same part accepted, Sept. 2, 1861.

**Union Park passageway**, B.; from Shawmut av. to Tremont st., between Union park and Upton st.; laid out 20 feet wide and extended to Shawmut av. and Tremont st., April 21, 1857; approved and dedicated as a public way, Jan. 19, 1858, but City Solicitor rules (1879) that the action was illegal, there having been no order of notice.

\***Union-Park street**, B., 1856; from Shawmut av. to Albany st.; portion of Union park from Washington st. to Shawmut av. named Union-Park st., April 23, 1856; accepted, Dec. 7, 1857; Blake's court, from Washington st. to Harrison av., dedicated as a public highway and named Union-Park st., Oct. 16, 1860; extended with Waltham st. from Harrison av. to Albany st., Aug. 8, 1862.

**Union place**, B.; from Wall st., west, between Causeway st. and Cotting st.; same in 1859.

**Union place**, E.B.; from Porter st., near Chelsea st., south-west, then north-west.

**Union place**, E.B.; from Princeton st., near Shelby st., southerly.

\***Union square**, Bri.; junction of N. Beacon st., Cambridge st. and Brighton av.; same in 1875.

\***Union street**, B., 1828; from Dock sq. to Haymarket sq.; the way leading from Platt's corner, north-west, crossing Hanover st. to the Mill-pond, 1708; from the conduit at Dock head to the Mill-pond, 1732; previous to 1708 and until 1828, part from Hanover st. to the Mill-pond called also Green Dragon lane; widened and named Union st., 1828; small portion discontinued between Hanover st. and N. Federal court, July 20, 1857; portion near estate of "Mary Homer's heirs" discontinued, Dec. 16, 1857.

**Union street**, Rox., 1825; from new lane (now Warren st.), near Roxbury st. as far as street is open, with passageway to Sumner (now Palmer) st. accepted, March 1, 1819; named from Warren st. to Sumner (now Palmer) st., May 9, 1825; name changed to Taber st., April 21, 1868.

**Union street**, Dor.; from Freeport st., north-east, to Pleasant st. (Commercial Point).

\***Union street**, Dor.; from Bowdoin st. to Green (now Geneva av. and Olney) st.; Union av. accepted as Union st., April 5, 1852.

†**Union street**, Chsn.; from Main st. to railroad, south of Lynde st.; from Main st. to Washington st. accepted, Sept. 16, 1813.

\***Union street**, Bri.; from Washington st. to Chestnut Hill av.; laid out from Rockland st. (now Chestnut Hill av.) to end of Shepard st., March 30, 1857; accepted, April 13, 1857; accepted from junction with Rockland st. and Union st. to Howard pl., July 18, 1872.

**Union terrace**, W. Rox.; from Morton st. to Forest Hills av. near entrance to cemetery; same in 1874; part shown as Cary st. on recent atlases.

**Union wharf**, B.; from Commercial st., east, between Battery st. and Eastern av.

**Unity court**, B.; from Unity st., north-west, then north-east; same in 1830.



- \***Unity street, B.**; from Charter st. to Tileston st.; called Elias or Ellits st., 1733 to 1795; called also Clough st. in 1756, Suffolk Deeds, 89-148; called Unity st., from Charter st. to Love lane (now Tileston st.), 1795; confirmed as a public street, Sept. 15, 1834.
- Upham avenue, Dor.**; from Hancock st. to Cushing av.; formerly from Hancock st., easterly, then northerly, then north-westerly, to Hancock st. again; called Upham st. on recent atlases; Thacher av. laid out as Cushing av., and extended in part over northerly part of Upham av. to Hancock st., Oct. 28, 1881.
- Upham street, Dor.**; see Upham av.
- Upham street, So. B.**; (proposed) from Dorchester av. to Richardson av. (proposed).
- Upham's corner, Dor.**; junction of Hancock, Stoughton, Boston and Dudley sts.
- Upham's court, Dor.**; from Boston st., east, opposite Hamlet st.; same in 1874.
- Upland avenue, Dor.**; from Melville av. to Park st.; authority to open given by Street Commissioners, Oct. 1, 1891.
- Upland place or street, Rox.**; from Norfolk av., north-easterly, parallel with Magazine st.; same in 1873.
- Upper road, Dor.**; from Roxbury to Milton; old name of Washington st.
- Upton court or street, Bri.**; from Western av., south-easterly, near Charles River; same in 1875; also called Upton's lane.
- \***Upton street, B.**, 1857; from Shawmut av. to Tremont st.; called Chelsea st., 1826; named Upton st., April 21, 1857.
- Usher's lane, B.**; mentioned by Drake in 1677; probably Short st. or Blind lane.
- Utica place, B.**; from Utica st., easterly, between Kneeland st. and Beach st.; same in 1842.
- †**Utica street, B.**, 1840; from Tufts st. to south of Kneeland st.; from Beach st. near Lincoln st., 1840; extended to Harvard st. (which part of Harvard st. no longer exists), 1843; from Kneeland st. to Harvard st. accepted, Sept. 28, 1846; extended north to South-st. pl. (now Tufts st.), 1849; from Beach st. to Kneeland st. accepted, May 8, 1857; laid out from Beach st. to Kneeland st., Sept. 29, 1884.
- Vale place, Rox.**; part of Vale st. from Marcella st. to end of Thornton st.; so called on chart, 1873; now part of Thornton st.
- \***Vale street, So. B.**; from Dorchester st. crossing Mercer st. with proposed extension to "Old Harbor;" laid out from Dorchester st. to Old Harbor st. extended, Nov. 17, 1868
- \***Vale street, Rox.**; from Thornton st. to Marcella st.; by chart, 1873, from Marcella st., generally south-easterly, then south-westerly, to Marcella st., the last part being called Vale pl.; Thornton st. extended to Marcella st. through part of Vale st., Oct. 25, 1873; Vale st. laid out from Marcella st. to Thornton st., Nov. 26, 1875.
- \***Valentine street, Rox.**; from Washington st. to Fulda st.; part of Thornton st. from Washington st., west, to Thornton st. "as recently laid out" named Valentine st., Oct. 19, 1875; portion of discontinued, Aug. 9, 1876; laid out from Thornton st. to Fulda st., June 23, 1890.
- Valley Acre, B.**; east, from Beacon Hill, between the present Bowdoin st. and Somerset st., 1777.
- Vancouver street, Rox.**; from Huntington av. to Ward st.
- Vandyke street, E.B.**; from Addison st. to Trumbull st.

- Van Rensselaer place, B.**, 1852; from Tremont st., west, between Boylston st. and Eliot st.; called Foster court, 1826; Foster pl. or S. Foster pl., 1831; Van Rensselaer pl., 1852.
- Van Winkle street, Dor.**; from Dorchester av. to Carruth st.
- \*Varney street, W. Rox.**, 1894; from Wenham st. to Wachusett st.; Yale st. laid out as Varney st., June 9, 1894.
- Vaughan avenue, Dor.**; from Geneva av., easterly, between Columbia st. and N.Y. & N.E. R.R.
- Vaughan street, Dor.**; from Blue Hill av. to Harvard st.
- Venice street, E.B.**; (proposed) from Maverick st. to proposed part of Putnam st.
- Vermont avenue, W. Rox.**; from Corey st., with proposed extension to Mt. Vernon st.
- Vernon court, Rox.**; from Vernon st., southerly, between Kent st. and Vernon pl.
- Vernon place, B.**; from Charter st., east, nearly opposite Unity st.; same in 1825.
- Vernon place, Rox.**; from Vernon st., southerly, opposite Haskins st.
- Vernon place, Bri.**; from Vernon (now Raymond) st., north-easterly; part of Everett sq., 1890; part included in laying out of Westford st., May 18, 1891.
- Vernon street, B.**, 1828; from Leverett st., 1825; laid out and named, March 15, 1828; name changed to Willard st., April 21, 1868.
- \*Vernon street, Rox.**; from Washington st. to Tremont st.; from Washington st. to the watering place laid out, Jan. 19, 1662; Norfolk st. accepted, extended to Washington st. over a part of Williams st., and name changed to Vernon st., May 16, 1842; extended through Factory st. and called Vernon st., May 16, 1842; from Washington st. to Cabot st., 1849; extended from Cabot st. through Foundry st. to Tremont st., May 7, 1869.
- Vernon street, Bri.**; from Franklin st. to Everett st.; laid out, Dec. 16, 1873; laid out as Raymond st., July 29, 1884.
- Vicksburg place,**  
**Vicksburg street,** } So. B.; from E. First st. to E. Second st., near I st.
- \*Victor street, Dor.**, 1894; from Brook av. to Dean st.; Granville pl. laid out as Victor st., July 26, 1894.
- \*Victoria street, Dor.**; from Dorchester av. to Pleasant st.; laid out from Dorchester av., north-westerly, towards Pleasant st., Jan. 14, 1884; extended to Pleasant st., May 21, 1886.
- Vila street, Rox.**; from Francis st. to Longwood av.
- Village place, B.**, 1833; from W. Castle (now Castle) st. to W. Orange st., opposite Village st.; now built over.
- \*Village street, B.**; from Dover st. to Castle st.; from Dover st., north, 1831; extended to Castle st. and accepted, Nov. 20, 1855.
- Vinal place, B.**; from Harrison av. near and south of Pine st., 1859; included in laying out of Broadway, July 3, 1880.
- Vincent court, B.**; from Harvard st., south, 1855; built over.
- Vincent lane, B.**; from Marlboro' (now Washington) st. to Bishop's alley (now Hawley st.), 1777; deeds of land to enlarge given Town provided street be called Franklin st., March 27, 1797; named Franklin st., 1798.
- Vine avenue, Rox.**; from Vine st., south-easterly, near Mt. Pleasant av.

- \***Vine street**, B.; from N. Russell st. to Bridge (now N. Anderson) st., 1806; confirmed as a public street, Sept. 15, 1834; lower part from Bridge st. to N. Grove st. accepted, May 10, 1852; name changed to Parkman st., April 21, 1868.
- \***Vine street**, Rox.; from Dudley st. to Mt. Pleasant av.; accepted conditionally, Nov. 17, 1851.
- \***Vine street**, Chsn.; from Chelsea st. to Bunker Hill st.; laid out according to its present bounds, Oct. 13, 1851; laid out and extended from Moulton st. to Bunker Hill st., May 3, 1858.
- Vine-street place**, B.; from Parkman st., northerly, to Seabury pl.; same in 1851; (from Vine, now Parkman, st., north).
- Vinson street**, Dor.; from Melville av. to Geneva av.; authority to open from Park st. to Geneva av. given by Street Commissioners, Dec. 7 and Dec. 30, 1891.
- Vinton court**, Chsn.; from Henley st., northerly; same in 1875.
- Vinton place**, So. B.; from Vinton st., north-east; so called in Directory, but called Thomson court on atlases.
- \***Vinton street**, So. B.; from Dorchester st. to O.C. (now N.Y., N.H. & H.) R.R.; laid out, Dec. 12, 1866; laid out from Dorchester st. to the railroad, Nov. 17, 1868.
- Virginia avenue**, Dor.; private way from Dudley st. to Bird st.; laid out and named Virginia st., March 21, 1881.
- Virginia avenue**, W. Rox.; from Centre st. to Roanoke av., 1849; now included in Starr lane and a part of Seaverns av.
- \***Virginia street**, Dor.; from Dudley st. to Bird st.; private way called Virginia av. laid out as Virginia st., March 21, 1881.
- Von Hillern street**, Dor.; (proposed) from Locust st. to Mt. Vernon st. at Dorchesterway.
- Vose street**, Dor.; from Butler st., at junction with Riverview av. (now Medway st.), to Crest av.
- \***Wabeno street**, Rox.; from Wyoming st. to Waumbeck st.; laid out, Oct. 27, 1887.
- \***Wabon street**, Rox.; from Warren st. to Wabeno st.; laid out from Warren st., May 19, 1881.
- \***Wachusett street**, W. Rox., 1887; from Walk Hill st. to Weld Hill st.; formerly Walk Hill av.; laid out from Walk Hill st., north-easterly, Oct. 3, 1887; extended to what is now Weld Hill st., March 5, 1889.
- Wadleigh place**, So. B.; from Ellery st., south-westerly, to South Bay.
- Wadsworth corner**, B., 1732; corner of Middle (now Hanover) st. and Bell alley, (now Prince st.) then so called.
- Wadsworth steet**, Bri.; from Pratt st., south-east, then south-west, to Ashford st.
- \***Wait street**, Rox., 1882; from Huntington av. (formerly Tremont st.) to Hillside st.; shown as Garden st. on plan dated 1845; private way called Hillside av. laid out and named Wait st., Oct. 24, 1882.
- Wakefield's alley**, B., 1720; from Middle (now Hanover) st., east, north of Cross st.; closed.
- \***Wakulla street**, Rox.; from Rockland st. to Dale st.; laid out, Dec. 6, 1875.
- Walcott street**, So. B.; (proposed) from Richardson av. (proposed) to and crossing Washington av. (proposed).
- Waldeck street**, Dor.; from Melville av. to Geneva av., parallel with Shawmut Branch R.R.; authority to open from Park st. to point beyond Linsey st. given by Street Commissioners, Jan. 18, 1893.

- Walden park**, Rox. ; from Highland st., north-west ; laid out as Morley st., Sept. 23, 1887.
- Walden place**, Rox. ; from Heath st., south-easterly ; laid out, extended to Centre st., and named Walden st., Nov. 23, 1874.
- \***Walden street**, Rox., 1874 ; from Heath st. to Centre st. ; Walden pl. laid out, extended to Centre st., and named Walden st., Nov. 23, 1874.
- Walder street**, B. ; that part of Causeway st. next Leverett st. was so called at an early date.
- Waldorf street**, Dor. ; from Ashmont st. to Mellen st.
- Wales corner**, B., 1708 ; corner of Middle (now Hanover) st. and Prince st. then so called.
- Wales lane**, Dor., 1836 ; part of Columbia st., crossing Upper road (now Washington st.) from Boston to Milton ; Bowdoin av. and Love lane so called on plan dated 1836.
- Wales place**, Dor. ; from Columbia st. to Olney-st. pl.
- Wales street**, Dor. ; from Harvard st. to Nightingale st. ; authority to open given by Street Commissioners, Oct. 1, 1891.
- \***Wales street**, Dor. ; from Blue Hill av. to Harvard st. ; laid out, Nov. 10, 1876.
- Wales wharf**, B. ; from Federal st., south-east, nearly opposite Beach st.
- Walford street**, Chsn. ; from Bow st., south-west, to land of Fitchburg R.R. ; shown as a passageway from Bow st. to Front st. in 1838 ; called Walford st., and shown as of same extent in 1874 ; portion closed by railroad taken by authority of acts of Legislature of 1873.
- \***Walker avenue**, Chsn., 1847 ; from Walker st. to Russell st. ; laid out, accepted and named, Aug. 28, 1847.
- Walker avenue**, Chsn., 1869 ; from Main st., south-west ; W. Walker st. laid out 40 feet wide, Sept. 29, 1869 ; called also W. Walker st. and Walnut av. ; name changed to Lincoln st., Dec. 27, 1869.
- Walker place**, B., 1872 ; from Northampton st., south-west, between Washington st. and Shawmut av., nearly opposite Chester pl.
- Walker street**, W. Rox. ; from South st. to John A. Andrew st. ; so shown, but not laid out, on plan dated 1871 ; part between John A. Andrew st. and Elm st. laid out as Sedgwick st., Dec. 5, 1881 ; Sedgwick st. extended over Walker st. to South st., Dec. 7, 1887.
- \***Walker street**, Chsn. ; from Main st. to Wall st. ; part from Main st. to Russell st. accepted, Nov. 28, 1831 ; remainder shown on plan dated 1848 ; extended from Russell st. to Bunker Hill st., Nov. 25, 1867 ; discontinued between Wall st. and Bunker Hill st., Oct. 4, 1869.
- Walker street**, W. Rox. ; from Weld st. to Joy st., near Brookline line.
- Walker-street court**, Chsn. ; from Walker av., north-west.
- Walker's lane**, } B., 1741 ; from Orange (now Washington) st., west, next  
**Walker street**, } south of Hollis st. ; Clough st., 1743 ; Nassau st., 1788 ;  
 Common st., 1824 ; Tremont st., 1829 ; Common st. again, 1836.
- Walk Hill avenue**, W. Rox. ; from Walk Hill st., north-easterly, to unnamed street (now Weld Hill st.) leading to cemetery ; same given as Mountain st. on map, 1849, but no record of change of name ; laid out as Wachusett st. Oct. 3, 1887, and March 5, 1889.
- Walk Hill road**, Dor. and W. Rox. ; an old name for Walk Hill st. ; part shown on plan dated 1833.
- \***Walk Hill street**, Dor. and W. Rox. ; from South st. at junction with Morton st. to Norfolk st. ; laid out from road leading from Boies' Mill to Deacon James Baker's to Old road leading to Meeting-house, Jamaica Plain, April, 1802 ; located by County Commissioners,

April, 1804; named from Dedham turnpike (now Washington st.) to Dorchester line, May, 1825; B. & P. (now N.Y., N.H. & H.) R.R. having built 45½ rods of new road to avoid crossing said street near junction with Norfolk and Bristol turnpike (now Washington st.) three times in about 50 rods, same accepted by County on plan of Old road, Dec., 1835; lines changed from railroad to Mountain st. (now Wachusett st.), Dec. 30, 1850; from Hyde Park av. to Washington st. laid out by County Commissioners, April 18, 1853; laid out at uniform width of 50 feet, July 3, 1871; altered from Hyde Park av. to Stony brook, Sept. 27, 1871; name of Jamaica st., from Norfolk st. to Walk Hill st., changed to Walk Hill st., being a continuation of the same, May 9, 1876; same part shown as Walk Hill st. on plan dated 1838.

\***Wall street**, B., 1839; from Minot st. to Causeway st.; from Minot st. to the jail, 1839; extended to Causeway st. including Cotting court, Sept. 27, 1852.

**Wall street**, B., 1829; from Spruce st. to Charles st.; accepted and named Sept. 21, 1829; (no other record, the only street from Spruce st. to Charles st. of which there is record is Branch av. (now st.), which is nowhere given as Wall st.).

**Wall street**, Rox., from Plymouth st., south-east, on plan dated 1862; (the only street shown at present from Plymouth st. is Woodstock st., which is very old.)

\***Wall street**, Chsn., 1860; from Sullivan st. to Walker st.; laid out and accepted from Sullivan st. to Russell st., Nov. 30, 1860.

**Wallace court**, or **place**, Chsn., 1849; from Winthrop st., south-east; shown as an unnamed court from High (now Winthrop) st., southeast, on plan dated 1839; same named on plan dated 1849.

†**Walley street**, E.B. (Breed's Island); from Bennington st. at junction with Ashley av. to Revere line; part from Elm (now Leyden) st. to Terrace av. (now Gladstone st.), formerly Washburn av. laid out as Walley st., Aug. 23, 1886; extended from Leyden st. over part of Ashley av. to Bennington st., July 3, 1888.

**Wallingford road**, Bri., 1895; from Commonwealth av., north-westerly, to Chestnut Hill av.; authority to open given by Street Commissioners, Jan. 1, 1895.

**Wall's place**, Chsn.; from Henley st., north, between Putnam st. and Chelsea st.

**Waln street**, Rox., 1833; from Francis st., south-east, parallel with Baldwin st., to point about 220 feet north-west of Massachusetts av. (formerly W. Chester pk.); shown on plan dated 1833, from Francis st., south-east, to the channel in empty basin; part from point 220 feet north-west of Massachusetts av., south-east, abandoned.

\***Walnut avenue**, Rox. and W. Rox., 1868; from Warren st. to Forest Hills st. (1884) (now to Franklin Park only); laid out as Back st., from Warren st. to South st., Jan. 19, 1862; named Back st., May 9, 1825; name changed to Walnut st., Nov. 20, 1843; named Walnut av., April 21, 1868, but so given on plan dated 1862; laid out between Rockland st. and Buena Vista av. (now st.), Dec. 15, 1868; part of nearly opposite Walnut pk. altered, Dec. 13, 1870; part of Walnut st. from Seaver st. to Forest Hills st. named Walnut av., March 1, 1884; part of south of Sigourney st. now in Franklin Park.

**Walnut avenue**, W. Rox.; from Corey st., south-west, towards Mt. Vernon st., 1853; later called Carl st.; Carl st. laid out as Montview st., from Corey st. to Mt. Vernon st., Nov. 17, 1893.

**Walnut avenue**, Chsn., 1869; laid out from Main st., Sept. 29, 1869; called also Walker av. and W. Walker st.; named changed to Lincoln st., Dec. 27, 1869.

- Walnut court**, Rox. ; from Walnut av., south-east, between Pickering pl. and Dale st.
- Walnut court**, Chsn. ; from Walnut st., north-west, near Medford st.
- \***Walnut park**, Rox. ; from Washington st. to Walnut av. ; accepted, July 27, 1863.
- Walnut place**, B., 1860 ; from Washington st. to Reed st.
- Walnut place**, W. Rox. ; from Green st., north-east, between Lamartine st. and Chestnut av. ; laid out as Cheshire st., May 2, 1881.
- \***Walnut street**, B., 1799 ; from Beacon st. to Mt. Vernon st. ; the easterly half called Coventry st., 1733-91 ; from Beacon st. to Olive (now Mt. Vernon) st. called Walnut st., 1799 ; confirmed as a public street, Sept. 15, 1834 ; part of at one time called Bishop-Stoke st.
- Walnut street**, Rox. ; from Cedar st., north-east, crossing Dorr st. ; formerly called Ascension st. ; now Lambert av.
- \***Walnut street**, Rox. and W. Rox., 1843 ; from Warren st. to South st. ; laid out as Back st., Jan. 19, 1862 ; name changed to Walnut st., Nov. 20, 1843 ; boundary lines established from Dale st. to Townsend st., Sept. 8, 1856 ; line changed, March 23, 1863 ; a part relocated and portion in West Roxbury accepted, March 21, 1864 ; named Walnut av., April 21, 1868 ; part from Seaver st. to Forest Hills st. named Walnut av., 1868 ; part now in Franklin Park.
- \***Walnut street**, Dor. ; from Neponset av. to Ericsson st. (Neponset) ; located as Pineneck lane, May 13, 1805 ; located as Walnut st. from Neponset av. to "Pineneck," April 3, 1854 ; street leading from house of William L. Clark to O.C. (now N.Y., N.H. & H.) R.R. accepted and named Walnut st., April 3, 1854 ; all parts of "Old road" leading from said house to Neponset turnpike (now av.) not appearing on plan discontinued, April 3, 1854 ; part leading from O.C. R.R. to Neponset turnpike located, April 3, 1854 ; continued from Water st. 1,072 feet, April 5, 1858.
- Walnut street**, W. Rox. ; from Spring st. to Belle av. ; shown in 1870.
- \***Walnut street**, Chsn. ; from Bunker Hill st. to Medford st. ; laid out and accepted, Aug. 6, 1866 ; laid out and accepted, Sept. 29, 1869 ; near location of former Mallet st.
- Walnut-street court**, Dor. ; from Walnut st., east, near Water st.
- \***Walpole street**, Rox., 1881 ; from Tremont st. to Grinnell st. ; private way called Franklin place laid out from Tremont st. and named Walpole st., Nov. 16, 1881 ; laid out from Berlin st. to Grinnell st., April 2, 1890.
- Walsh place**, B., 1872 ; from Clark st., south-west, near Hanover st.
- \***Walter street**, W. Rox. ; from Centre st. to South st. ; part from Centre st., southward, past Weld st., shown but not named on plan dated 1815 ; named from Centre st. to South st., May 9, 1825 ; probably a public highway some time previous.
- Walter's court**, B., 1853 ; from Endicott st., east, near Cooper st. ; called Altan pl., 1857 ; closed.
- \***Waltham street**, B., 1826 ; from Tremont st. to Union-Park st. ; laid out on the Neck and named, July 24, 1826 ; from Tremont st. to Suffolk st. (now Shawmut av.) named Waltham st., Sept. 15, 1834 ; extended from Suffolk st. to Washington st., April 19, 1847 ; extended from Washington st. to Harrison av., including part of Adams pl., Sept. 18, 1848 ; lines established, Oct. 11, 1855 ; accepted, Dec. 7, 1857 ; extended with Union-Park st. (they unite as Union-Park st. a little south-east from Harrison av.), from Harrison av. to Albany st., Aug. 8, 1862.
- \***Walton street**, Dor. ; from Washington st. to Harley st. ; laid out, July 31, 1873.

- \***Wapping street**, Chsn., 1790; from Chelsea st. to Water st.; deed from Town to Mr. Jno. Harris of a piece of land at Wapping in lieu of land taken from him to accommodate the road, 1790; part of Wapping st. discontinued on establishment of Navy Yard by a line across the same on easterly bounds of 21-foot passageway belonging to Town which leads to low-water mark, Jan. 14, 1801; widened in 1807 and 1830.
- Wapping street**, Chsn.; mentioned, Feb. 5, 1798, as a former name of Henley st. (no other record).
- Ward court**, So. B.; from Ward st., north-easterly.
- \***Ward street**, So. B., 1855; from Dorchester st. to Preble st.; formerly called Centre st.; named Ward st., Aug. 7, 1855; laid out, June 14, 1867.
- \***Ward street**, Rox., 1853; from Huntington av. to N.Y., N.H. & H. R.R.; from Bumstead lane (now St. Alphonsus st.) crossing Phillips st., Parker st. and Halleck st. to B. & P. (now N.Y., N.H. & H.) R.R., 1853; laid out 40 feet wide from Parker st., south-east, to Tremont st.; seems to have been called at first Charles st., though shown as Ward st. on plan dated 1853; name of Charles st. changed to Ward st., April 21, 1868; laid out, June 14, 1869; laid out to B. & P. R.R., Nov. 15, 1877; laid out from Parker st. to Huntington av., June 3, 1886.
- Ward's wharf**, B.; from Federal st., east, near Federal-st. bridge.
- Ware place**, B., 1853; from Richmond (now Parmenter) st., north, near Hanover st., 1853; not now named.
- \***Ware street**, Dor.; from Trull st. to Rill st.; laid out, March 26, 1880.
- \***Wareham street**, B., 1849; from Harrison av. at its junction with Malden st. to Albany st.; named from junction Harrison av. and Malden st. extended to a dock in South Bay, May 14, 1849; accepted, Oct. 30, 1860.
- Warland place**, B.; from Hanover st., north-west, then north-east, near Commercial st.; same in 1867.
- Warner avenue**, Dor.; from Harvard st. to Park st.; formerly from Glen road (now Glenway st.) to Catholic cemetery; Glen av. (now Glenway st.) from Glen road (now Glenway st.) to Harvard st., shown at one time as Warner av.
- \***Warren avenue**, B., 1867; from Berkeley st. near Tremont st. to Columbus sq.; called Avenue Three previous to 1855; laid out as a public street from W. Canton st. to Clarendon st., May 21, 1867; laid out from W. Canton st. to Columbus av., April 7, 1868; laid out from Clarendon st. to Berkeley st., Nov. 17, 1868; portion bounded by Pembroke st., West Newton st. and Columbus av. named Columbus sq., April 4, 1871.
- \***Warren avenue**, Chsn.; from City sq. to Warren bridge; laid out, accepted, and named Boston av., May 2, 1836; called Warren av. in records of 1842, but no record of change of name.
- \***Warren bridge**, B., 1828; from Causeway st., opposite the end of Beverly st., northerly, to Charlestown; from the foot of Haverhill st. to Charlestown, 1828; since partly discontinued and now from the foot of Beverly st.; discontinued in part again, Feb. 11, 1885, by which almost the entire bridge from line of solid filling at foot of Beverly st. to solid filling on the north of the channel was moved easterly.
- Warren place**, B., 1820; from Warren (now Warrenton) st. to Pleasant st., 1820; name changed to Warrenton pl., April 21, 1868.
- \***Warren place**, Rox.; from Warren st. at junction with Harrison av. to Pevear court; laid out from Warren st., June 20, 1874.
- Warren place**, Dor.; from Washington st., south-west, between Fuller st. and Codman st.; included in present Fairmount st.

\***Warren square**, B., 1839; at the junction of Merrimac st., Market st. and Friend st.; from Merrimac st. to Friend st., 1839.

**Warren square**, W. Rox.; from Green st., by two branches north-east, to Centre pl.

**Warren street**, B., 1788; from Hancock st., west, to Cambridge Bay; named by Selectmen, July 4, 1788; from Hancock st. to W. Centre (now Anderson) st. called Myrtle st., 1814; part near the river probably discontinued.

\***Warren street**, B., 1795; from Orange (now Washington st. to Eliot st., 1795; confirmed as a public street, Sept. 15, 1834; name changed to Warrenton st., April 21, 1868.

\***Warren street**, Rox., 1825; from Washington st. to Blue Hill av.; laid out, Jan. 19, 1862; named from Washington st. through Upper road to Dorchester line, May 9, 1825; staked out, June 16, 1836; lines established near Dennis st., June 30, 1856; line established, Oct. 17, 1859.

\***Warren street**, Chsn., 1786; from junction of Park st. and Henly st. to Main st. at Thompson's sq.; street leading from Main st. to Back st. recorded by name of Warren st., Feb. 20, 1786; Back st. from the square to Main st. called Warren st., March 3, 1834; laid out near site of fire from the square to Joiner st., Dec. 7, 1835; land at junction Warren st. and Joiner st. given to Town by Henry Jacques, May 28, 1838; extended in a straight line from Joiner st. to a point near junction with Winthrop sq., Sept. 7, 1868; laid out from City sq. to Winthrop sq., Nov. 30, 1868; name of Park st. given to portion beginning at City sq., with extension to Winthrop sq., Dec. 29, 1868; Warren st. and Main st. merged together near Church court, May 19, 1869.

\***Warren street**, Bri., 1860; from Cambridge st. to Brookline line; laid out by County Commissioners, Oct. 21, 1858; accepted by Commissioners, Jan. 2, 1860; named, March 5, 1860.

**Warrenton place**, B., 1868; from Warrenton st. to Pleasant st.; called Warren pl., 1820; named Warrenton pl., April 21, 1868.

\***Warrenton street**, B., 1868; from Washington st. to Eliot st.; called Warren st., 1795; confirmed as a public street, Sept. 15, 1834; named Warrenton st., April 21, 1868.

\***Warwick street**, Rox.; from Hammond st. to Ruggles st.; laid out, Sept. 1, 1871.

**Washburn avenue**, E.B. (Breed's Island); from Ashley av., parallel with B., R.B. & L. R.R., to Revere line; changed to Walley st.; laid out as Walley st. from Elm (now Leyden) st. to Terrace av. (now Gladstone st.), Aug. 23, 1886.

**Washburn place**, B., 1846; from Charter st., south-westerly, to rear of burial ground; same in 1846; name changed to Hildreth pl., 1874; Washburn pl. again, 1890.

\***Washburn street**, So. B.; from Boston st. to Dorchester av.; laid out, easterly, from Boston st., Dec. 24, 1875; laid out from Dorchester av. to Boston st., Dec. 17, 1889.

**Washburn street**, Bri.; from Harvard av., south-westerly, towards Warren st., crossing Gorham st. and Griggs st.; same in 1875; included in Massachusetts (now Commonwealth) av. as laid out in 1883.

**Washington avenue**, B., 1821; from Washington (now Fort Hill) sq. to Purchase st., 1821; accepted, April 8, 1829; street known as Washington sq. and Washington av. called High st., Dec. 15, 1875.

**Washington avenue**, So. B.; (proposed) from Hyde st. to Locust st.

**Washington avenue**, W. Rox.; from Spring st., south-easterly, near Dedham line; same in 1874.



- Washington court, B.**, 1826; from Washington st., west, 1826; called Temple av., 1833; Temple pl., 1864.
- Washington court, B.**, 1845; from Washington st., west, near Medford court, 1845; to be accepted conditionally and when accepted to be called Marlboro' st., Oct. 27, 1856; called Marlboro' st., 1857; Marlboro' st. accepted, Oct. 4, 1859; called Acton st., 1864.
- Washington court, Rox.**; from Roxbury st., opposite Highland st., northerly; formerly called Bates pl.
- Washington court, Dor.**; from<sup>3</sup>Minot st., south-easterly; same given as Washington st., 1874, and Washington av., 1880 and 1884.
- Washington Gardens, B.**, 1810; on Common (now Tremont) st., from West st. to about the north line of the Masonic Temple and east, on West st., to about opposite Mason st., 1810.
- Washington park, Rox.**, 1860; between Dale st., Bainbridge st. and Paulding st.; named, Oct. 29, 1860.
- Washington place, B.**, 1808; "all the buildings around the walk on Fort Hill," 1808; the square on Summit of Fort Hill on outside of circular walk named Washington pl., Sept. 19, 1810; called Washington sq., 1837; named Washington sq., April 7, 1845; named Fort Hill sq., 1875.
- Washington place, B.**; from Webster av., north-east.
- \***Washington place, B.**, 1837; from High st., south, to Belcher lane; same in 1837.
- Washington place, So. B.**; from Silver st., south-westerly, between A st. and N.Y. & N.E. R.R.
- Washington place, Rox.**; from Roxbury st., north-east, near Allen pl.
- Washington place, Chsn.**; from Washington st., north-easterly, between Devens st. and Union st., near Washington sq.
- Washington Mechanic place, B.**, 1828-41; from Washington st., west, next south of Fayette court, 1828-41; closed.
- Washington square, B.**, 1845; around the open space upon the top of Fort Hill; called Washington pl., 1808; named Washington sq., April 7, 1845; portions discontinued, July 8, 1871; park in centre of what was formerly called Washington sq. named Fort Hill sq., Dec. 15, 1875; street formerly known as Washington sq. and Washington av. named High st., Dec. 15, 1875.
- Washington square, Chsn.**; from Washington st., north-easterly, between Devens st. and Union st.; near Washington pl.
- \***Washington street, B., Rox. and W. Rox.**, 1788; from Haymarket sq. to Dedham line; from Dock sq. to School st. called Cornhill, 1708; from School st. to Summer st. called Marlboro' st., 1708; from Summer st. to Essex st. called Newbury st., 1708; from Essex st. to the fortification near the present line of Dover st. called Orange st., 1708, from Beach st. to Dover st., having been so called from 1663; from Roxbury line to Orange st. at fortification named Washington st., by the Selectmen, July 4, 1788; extended northerly through Orange st., Newbury st., Marlboro' st. and Cornhill to Dock sq., July 6, 1824; extended from Cornhill to Haymarket sq., Nov. 6, 1872; part in Roxbury laid out from Boston line to Roxbury st., Jan. 19, 1662; named from Boston line to Dedham and Worcester turnpikes, May 9, 1825; raised by B. & P. (now N.Y., N.H. & H.) R.R. over crossing near Wait's Mills. April, 1847; width adopted from Eliot sq. to Boston line, April 26, 1852; Norfolk and Bristol turnpike laid out as a public highway, part in Roxbury named Shawmut av. and extended to Boston line to meet end of Shawmut av. there, June, 1857; so much as lies in West Roxbury named Shawmut av., Feb. 3, 1858; prospective line established from Lowell (Pynchon) st. (now Columbus av.) to

Parker st., July 2, 1860; name of Washington st. from Tremont st. at Pynchon st. (now Columbus av.) to Brookline line changed to Tremont st., April 21, 1868; portion discontinued at junction of Gardner st., Dec. 15, 1868; name of Washington st. from Guild row to Pynchon st. changed to Roxbury st., June 16, 1874; name of Guild row (formerly Bartlett st.) from Roxbury st. to Dudley st. and of Shawmut av. from Dudley st. to Dedham line changed to Washington st., June 16, 1874.

\***Washington street**, Rox. and Dor., 1840; from Grove Hall to Milton, in continuation of Warren st.; road from Stephen Badlam's by Edmund Baker's house to Spurr's hill altered, Sept., 1797; road from William Walker's by Daniel Vose's house and over Neponset River to Milton located as a public highway, April, 1800; from S. Badlam's shop to lower bridge, Milton, altered and made a public highway, Sept., 1801; road at Spurr's hill altered, April, 1806; road east of Ebenr. Wale's house and to road leading to Four Corners (now Brush Hill turnpike, later Blue Hill av.) discontinued, April, 1806; road at Spurr's hill altered, April, 1807; road from Zebedee Cook, Jr.'s garden, east side of Dorchester turnpike (now av.) to new Town road discontinued, July, 1824; Upper road from Roxbury to Lower Mills named Washington st., March 11, 1840; part from Warren st. to Dorchester boundary line changed to Warren st., March 1, 1886.

**Washington street**, Dor.; from Freeport st. to Pleasant st. (Commercial Point); formerly from Commercial (now Freeport) st. to the water.

†**Washington street**, Chsn.; from Harvard st. to the State Prison; from Bow st. to David Goodwin's house accepted, Sept. 16, 1813; part of Arrow st. from Harvard st. to Bow st. made a part of Washington st., Sept. 17, 1866.

**Washington street**, Chsn.; from Main st. to Canal st. (now Rutherford av.); Winchester (now Dunstable) st. erroneously so called in 1875.

\***Washington street**, Bri., 1840; from Brookline line to Newton line (1884); named from Brookline through Brighton Centre to Angier's corner, June 15, 1840; accepted from junction Cambridge st. and Washington st. to Brookline line, Sept. 30, 1873; relocated between Cambridge st. and Market st., Jan. 1, 1879.

**Washington terrace**, Chsn.; from Washington st., south, nearly opposite Prescott st.

**Wason place**, Chsn.; from Everett st., south-easterly; same in 1875.

\***Water street**, B., 1708; from Washington st., east, to Broad st.; the street leading from Cox the butcher's shop in Cornhill, passing by Major Walley's as far as Mrs. Oliver's corner, named Water st., 1708; from Cornhill to Mackril lane (now Kilby st.), 1732; from Cornhill to Oliver's dock, 1800; from Cornhill to Liberty sq., 1817; extended east, through Liberty st. to Broad st., March 20, 1826.

**Water street**, Rox., 1845; new road from Ruggles (now Cabot) st. to Williams st. (now Shawmut av.), across the marsh, named Water st., March 3, 1845; extended from Washington st. to Parker st., April 2, 1855; extended to Washington st., Nov. 30, 1857; extended from Williams st. to Washington st., Feb. 22, 1858; street from Parker st. to Washington st., part of which has been called Ruggles st. and part Water st. named Ruggles st. throughout, Aug. 9, 1858.

\***Water street**, Dor.; from Taylor st. to Fulton st. (Neponset); laid out, April 5, 1858.

**Water street**, W. Rox.; from Williams st. to Keyes st.; same in 1874.

\***Water street**, Chsn., 1780; from Warren av. to the Navy Yard; New Fore st., "what is now called Water st.," laid out 40 feet wide September 1780; Thomas Edmands conveys to Town all the land laid out by the General Court for a public highway 40 feet wide and 80 feet long, from the west end of his house to Battery lane so called, March 2, 1802;

altered, March 28, 1836; street laid out from Main st., near Water st., to Boston (now Warren) av., Jan. 15, 1846; same named Water st., being a continuation of that street, March 16, 1846.

\***Waterford street**, B., 1870; from Washington st. to Shawmut av.; called Carney pl., 1831; named Waterford st., Nov. 8, 1871.

**Waterlow street**, Dor., 1874; from Harvard st., north-westerly, south-westerly, then southerly to Harvard st. again; formerly from Harvard st. generally northerly, to end of Sydney pl.; named, Nov. 3, 1874; part changed to Elmont st.; part of present Waterlow st. from Clinton st., south-east, to Harvard st. formerly a part of Sydney pl.

**Water's court**, B.; from Endicott st., east, 1853; named Alton pl., 1857.

**Watson place**, W. Rox.; from School st., north-easterly, near Weld av.

\***Watson street**, B., 1886; from Northampton st. to Camden st.; formerly Baldwin st.; laid out, May 10, 1886.

**Watti court**, So. B.; from W. Ninth st., near Dorchester st., south-west, to O.C. (now N.Y., N.H. & H.) R.R.; afterwards called Dana st.; Dana st. laid out as Mitchell st., Aug. 12, 1885.

\***Waumbeck street**, Rox.; from Warren st. at junction with Elm Hill av. to Humboldt av.; laid out from Elm Hill av. to Wabeno st., Dec. 7, 1883; extended from Wabeno st., to Humboldt av., July 27, 1886.

**Waverly place**, B., 1830; from South st., easterly; same in 1830.

**Waverly place**, Bri.; from Waverly st., westerly.

**Waverly street**, B., 1859; from W. Dedham st. to Canton (now W. Canton) st., 1859; name changed to Ivanhoe st., April 21, 1868, and name afterwards extended in both directions.

\***Waverly street**, Rox.; from Warren st. to Blue Hill av.; laid out, July 27, 1863.

†**Waverly street**, Bri.; from Lincoln st. to Western av.; laid out from River st. to Market st., June 3, 1842; accepted conditionally and then subject deferred, July 18, 1842; laid out, Aug. 24, 1853; accepted and named, Sept. 5, 1853; authority to open from angle in street to Lincoln st. given by Street Commissioners, Oct. 14, 1892.

**Waverly terrace**, B.; a block of brick buildings on the west side of Shawmut av., between Lenox st. and Sawyer st., formerly so called; same in 1859.

**Way place**, Rox.; from Copeland st., south-easterly, nearly opposite Aspen st.

**Way street**, B.; from Dock sq. to Roebuck alley (now Merchants' row); discontinued, April 16, 1838.

\***Way street**, B., 1857-1864; from Harrison av. to Albany st.; from Washington st., east, called E. Orange st., 1840; name of part from Harrison av. to Lehigh st. changed to Way st., Dec. 21, 1857, and back to E. Orange st., Dec. 30, 1857; name changed again to Way st., March 22, 1864; portion between Albany st. and Lehigh st. discontinued when Broadway was extended.

†**Wayland street**, Dor.; from Magnolia st. to and beyond Balfour st.; formerly Howard st., between Magnolia st. and Howard av.; name changed to Wayland st., March 1, 1888; authority to open, from Howard av., north-west, given by Street Commissioners, May 25, 1893.

\***Wayne street**, Rox., 1868; from Blue Hill av. to Maple st.; accepted as Linden st., Oct. 24, 1864; named Wayne st., April 21, 1868; relocated, March 12, 1880.

**Webb park**, So. B.; from E. Sixth st., south, near I st.

- \***Webber street**, Rox., 1835; from Harrison av. to Albany st.; road leading from Davis (now Albany) st. to Plymouth st. (now Harrison av.) accepted and named Webber st., Aug. 5, 1835.
- Webb's corner**, B., 1708; corner Union st. and Marsh lane.
- Weber street**, W. Rox.; from Canterbury st., opposite Mt. Hope st., south-east, to Mt. Hope cemetery; same in 1874.
- Webster avenue**, B., 1855; from Hanover st. to Unity st.; called Robinson's alley or lane, 1733; named Webster av., March 28, 1855.
- Webster avenue**, E.B.; from Webster st. to Sumner st., near Cottage st.
- Webster avenue**, Chsn.; from Sackville st. to Belmont st.; Webster court so called on plan, 1885; called Webster-st. court on plan, 1875.
- Webster avenue**, Bri.; from Brighton av., south, then west, to Webster st.; formerly from Brighton av., south, then west, then north, to Cambridge st.; portion from Cambridge st., south-east, now called Webster st.
- Webster court**, B.; from Webster av., north-east; same in 1857; same given on plan, 1883 and 1890, as Canny pl.
- Webster court**, Chsn.; from Sackville st. to Belmont st.; called Webster-st. court on plan, 1875, and Webster av. on chart, 1885.
- Webster place**, B.; from Fleet st., north-easterly, near Hanover st.; same in 1837.
- Webster place**, E.B.; from Webster st., between Sumner st. and Belmont st., southerly.
- Webster place**, Bri.; from Webster st.
- †**Webster street**, E.B.; from Mill st. to Sumner st., near Jeffries st.; accepted conditionally, Oct. 13, 1845; accepted and laid out as a public street from Lewis st. to Cottage st., May 10, 1852; accepted from Cottage st. to Sumner st., Oct. 11, 1852.
- Webster street**, So. B.; from W. Fifth st., south-westerly, between B st. and C st.; abandoned; Directory shows Dunham park in same location.
- Webster street**, Rox.; name changed to Madison st., April 21, 1868; (Madison st., from Washington st. to Shawmut av.)
- Webster street**, W. Rox.; from Spring st. to Linden st.; same in 1874.
- Webster street**, W. Rox.; from Whiting st., south-west; shown in 1890.
- Webster street**, Chsn.; from Bunker Hill st. to Medford st.; same in 1875; laid out as Sackville st., Jan. 1, 1887.
- Webster street**, Bri., 1873; from Everett (now Dunboy) st., west, crossing Bigelow st.; laid out, Dec. 18, 1873.
- Webster street**, Bri.; from Cambridge st., south-east; formerly a part of Webster av.
- Webster terrace**, Bri.; from Webster st.
- Webster-street court**, Chsn.; from Sackville st. to Belmont st.; Webster court so called on plan, 1875; called Webster av. on plan, 1885.
- Webster's arch**, B., 1732; the entrance from Cornhill (now Washington st.) to Savage's court or Williams court, 1732.
- Weeks place**, Rox.; from Centre st., near Heath st., south-easterly.
- Weitz street**, Bri.; from Franklin st. to Bayard st.
- \***Weld avenue**, W. Rox.; from Columbus av. to School st.; accepted, Sept. 27, 1871; laid out, Jan. 5, 1875.
- \***Weld Hill street**, W. Rox.; from Hyde Park av. to Forest Hills cemetery; authority to open street given by Street Commissioners, May 4, 1892; laid out, Aug. 10, 1893.

- Weld park**, W. Rox. ; from Centre st., near May st., south-west.
- \***Weld street**, W. Rox., 1825; from Walter st. to Baker st.; named from Newton line by Weld pl. across Centre st. to Walter st., May 9, 1825; from Willow st. to Baker st. by annexation from Newton.
- \***Weldon street**, Rox. ; from Holborn st. to Quincy st.; laid out, Nov. 6, 1890.
- Weldon street**, W. Rox. ; from Walk Hill st. to Hyde Park av.; laid out from Walk Hill st. to portion of running north-east to Hyde Park av. as Wenham st., Nov. 30, 1891; part from Hyde Park av. to Forest Hills cemetery laid out as Weld Hill st., Aug. 10, 1893.
- \***Well street**, B., 1808; from Custom-House st. to Wharf st.; same in 1808; confirmed as a public street, Sept. 15, 1834.
- †**Welles avenue**, Dor. ; from Washington st. to Dorchester av.; laid out from Washington st. to Argyle st., Dec. 6, 1873.
- Wells place**, B., 1848; from Washington st. to Bradford st.; laid out as Wilkes st., April 6, 1894.
- Welles place**, B., 1857; from Joy st., west, near Cambridge st., 1857; closed.
- Welles corner**, B., 1732; cor. Orange st. and Frog lane (Washington st. and Boylston st.), 1732.
- Welles corner**, B., 1732; cor. of Cambridge st. and Green st., 1732.
- Wellington place**, Chsn. ; from Quincy st., north-westerly.
- \***Wellington street**, B., 1870; from Columbus av., north-westerly; part of W. Springfield st. between Columbus av. and B. & P. (now N.Y., N.H. & H.) R.R. named Wellington st., June 27, 1870.
- Wellington street**, E.B. ; (proposed) from Maverick st. to proposed part of Putnam st.
- Wellingtons wharf**, B. ; from Federal st., easterly.
- Wendell place**, So. B. ; from Preble st., southerly.
- \***Wendell street**, B., 1826; from Pearl st. to Broad st.; from Oliver st. to Hamilton st. named, June 14, 1826; confirmed as a public street, Sept. 15, 1834; Humphrey pl. laid out and extended to Broad st., including part of Half Moon pl., and its name changed to Wendell st., Dec. 30, 1870; laid out upon a new line near Broad st., on line of northerly side of Wharf st. extended, April 2, 1872; name of Pearl pl. leading from Oliver st. in continuation of Wendell st. to Pearl st. changed to Wendell st., March 1, 1883.
- Wendell street**, So. B. ; from Preble st. to Hyde st.
- Wendell's lane**, B., 1796; in Directory of 1796; probably Wendell st.
- \***Wenham street**, W. Rox., 1891; from Walk Hill st. to Weld Hill st.; formerly part of Weldon st.; laid out, Nov. 30, 1891.
- \***Wenonah street**, Rox. ; from Elm Hill av., north-westerly, to Waumbeck st.; laid out, Oct. 26, 1886.
- Wensley's lane**, B., 1744; from North Meeting-house down towards Charlestown River, Sept. 28, 1744, and same, May 4, 1758.
- Wentworth place**, B. ; from Northampton st., south-west, near cor. Shawmut av.; same in 1867.
- Wentworth street**, Dor. ; from Norfolk st., south-easterly, crossing Torrey st.
- Wentworth's corner**, B., 1800; cor. Lynn st. (now Commercial st.) and Greenough's alley, 1800.
- Wentworth's lane**, B., 1732; from Allen's corner on Ann (now North) st., east, to the Wood wharfe, 1732; accepted conditionally, and named Barrett st., June 7, 1831; laid out from Ann st. to Fulton st., and named Barrett st., Oct. 24, 1842.

**Wesley avenue or street, Dor.;** from Savin Hill av. to the water.

**Wesley place, B., 1836;** from Hanover st., between Prince st. and Parmenter st., north-westerly; same in 1836.

\***Wesley place, Chsn.;** from Pearl st. to Sullivan st.; straightened, etc., and laid out, Dec. 31, 1867; discontinued, Sept. 14, 1868; laid out, etc., Sept. 22, 1868; called Wesley st., April 13, 1869.

**Wesley street, E.B.;** from Chelsea st. to Paris st., near Meridian st.

**Wesley street, So. B.;** from Preble st. to Hyde st.

\***Wesley street, Chsn.;** from Pearl st. to Sullivan st.; name of Wesley pl. changed to Wesley st., April 13, 1869; see Wesley pl.

\***West street, B.;** from Washington st. to Tremont st.; from Newbury (now Washington) st., west, to the Common, 1708.

**West street, E.B.;** from Reynolds st. to Homer st.

\***West street, Dor.;** from John Whittemore's land, Roxbury, near the red gate, in line of old cart path to road from Lower Mills to Dedham; laid out, Dec., 1835; from Upper Mills to the Town House altered Dec., 1838; from River by Luke Trott's, to Roxbury line, named West st., March 11, 1840 (now Norfolk st.).

**West street, W. Rox.;** from High st. to Morrison st.

**West street, W. Rox.;** from Bellevue av. to end of Orange st.

\***West street, Chsn.;** from Alford st. to Beacham st.; laid out and accepted, June 24, 1872.

**West Boston;** the part of the Town west of Sudbury st. from 1708 to 1800.

\***West Boston bridge;** from the foot of Cambridge st. to Cambridge, 1793.

\***West Broadway, B. and So. B., 1873;** from Albany st. to South Boston; laid out as Broadway from Washington st., opposite Pleasant st., to South Boston and so called by records, charts and Directory; that part of Broadway from Dorchester av., opposite Broadway, to Dorchester st., opposite E. Broadway, called W. Broadway, Feb. 18, 1873. See Broadway.

\***West Brookline street, B., 1868;** from Washington st. to Warren av.; from Tremont st. to Front st. (now Harrison av.) named Brookline st., Sept. 15, 1834; laid out from Tremont st. to Water Power Company's line, Dec. 21, 1859; from Water Power Company's line to Warren av., May 21, 1867; from Washington st. to Warren av. called W. Brookline st., April 21, 1868.

\***West Canton street, B., 1868;** from Washington st. to railroad at Carleton st.; Canton st. laid out on the Neck, July 24, 1826; named, from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; laid out from Tremont st. to Boston Water Power Company's line, Dec. 21, 1859; W. Canton st. laid out between Tremont st. and Warren av. and accepted, May 21, 1867; name of Canton st. between Washington st. and Warren av. changed to W. Canton st., April 21, 1868; laid out from Warren av. to Appleton st. at junction with Columbus av., Nov. 4, 1868; laid out from Columbus av. to the B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869.

\***West Castle street, B., 1732;** from Orange (now Washington) st., west; name of W. Castle st. leading from Washington st. to Tremont st. changed to Castle st., June 23, 1874, (all intermediate record given under Castle st.).

\***West Cedar street, B., 1826;** from Chestnut st. to Cambridge st.; from Phillips st. to the river called Southac st., 1733; from Chestnut st. to Cambridge st. called George st., 1810; from Chestnut st. to Sumner

(now Mt. Vernon) st. named W. Cedar st., 1826; from Sumner st. to Pinckney st. named W. Cedar st., 1833; from Pinckney st. to Cambridge st. named W. Cedar st., April 1, 1869.

**West Centre street**, B., 1733; from Cambridge st. to May (now Myrtle st.); extended to Pinckney st., 1833; name changed to Anderson st., May 21, 1861.

\***West Chester avenue**, B., 1869; W. Chester park and Chester sq. named W. Chester av., July 13, 1869; part of W. Chester av. from Shawmut av. to Tremont st. called Chester sq., Oct. 5, 1869; laid out from Boston Water Power Company's old line to Columbus av., Oct. 26, 1869; laid out from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; street between Washington st. and Tremont st. part of which is called W. Chester av. and part Chester sq., named Chester sq. throughout, April 5, 1870; between Tremont st. and the B. & P. (now N.Y., N.H. & H.) R.R. called W. Chester park, April 5, 1870; W. Chester park, Chester sq., Chester park and E. Chester park all changed to Massachusetts av., March 1, 1894.

\***West Chester park**, B., 1859; from Tremont st., crossing Beacon st., to Harvard bridge (Charles River); laid out and accepted from Tremont st. to Boston Water Power Company's line, Dec. 21, 1859; W. Chester park and Chester sq. named W. Chester av., July 13, 1869; part of W. Chester av., between Tremont st. and B. & P. (now N.Y., N.H. & H.) R.R., called W. Chester park, April 5, 1870; extended from B. & P. R.R. to Beacon st., July 5, 1873, and from Beacon st. to the Charles River, May 21, 1889; name changed to Massachusetts av., March 1, 1894.

**West Chester street**, B.; from Washington st. across Tremont st. to Back Bay land, 1854; from Washington st. to Shawmut av., part of W. Chester park, 1861, and named Chester sq., 1864; W. Chester park, Chester sq., Chester park and E. Chester park all changed to Massachusetts av., March 1, 1894.

\***West Concord street**, B., 1868; from Washington st. to Tremont st.; Concord st. laid out on the Neck, July 24, 1826, and named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; laid out from Tremont st. to Water Power Company's line, Dec. 21, 1859; from Washington st. to Tremont st. named W. Concord st., April 21, 1868; from Tremont st. to Columbus av. named Concord sq., April 21, 1868; laid out from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; same part named Greenwich park, March 29, 1870.

**Westcott street**, Dor.; from Park st. to Talbot av., near and west of N.Y. & N.E. R.R.

\***West Cottage street**, Rox. and Dor.; from Dudley st. to Blue Hill av.; laid out by Dorchester Selectmen from Stoughton (now Dudley) st. to Brook av., Aug. 12, 1869; extended from Brook av. to Blue Hill av., in part over part of Woodville sq., Feb. 18, 1875.

\***West Dedham street**, B., 1868; from Washington st. to Tremont st.; Dedham st. laid out on the Neck, July 24, 1826; named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; named W. Dedham st., from Washington st. to Tremont st., April 21, 1868.

\***West Eagle street**, E.B.; from Border st. to Brooks st., opposite Reservoir grounds; accepted as Eagle st., April 5, 1859.

\***West Eighth street**, So. B.; from near O.C. (now N.Y., N.H. & H.) R.R. north-west from D st. to Dorchester st.; part of Eighth st. called W. Eighth st., Feb. 18, 1873; for record of laying out, see Eighth st.

\***Westerly street**, Rox., 1893; from Centre st. to Sunnyside st.; Westerly terrace laid out as Westerly st., from Centre st. to Sunnyside st., Nov. 1, 1893.

**Westerly terrace**, Rox.; from Centre st. to Sunnyside st.; laid out as Westerly st., Nov. 1, 1893.

- \***Western avenue, B.**; the Mill-dam from Charles st., west, 1821; part between Charles st. and line near the toll-house presented by B. & Rox. Mill Corporation and accepted by City, Sept. 19, 1831; part between point accepted, Sept. 19, 1831, and street "leading to the water next westerly of dwelling-house of Wm. W. Goddard" accepted and laid out as a public highway to be called Beacon st., April 21, 1857; from Otter st. to "west end of new block of freestone-front houses" accepted and named Beacon st., May 27, 1858; from "Upham's house to a point distant 140 feet, westerly, from the south-easterly corner of Berkeley st." accepted and named Beacon st., Oct. 30, 1861; from Berkeley st. to Clarendon st. accepted and named Beacon st., May 26, 1863; from Clarendon st. to Dedham (now Dartmouth) st. accepted and named Beacon st., July 3, 1865; portions of Mill-dam road, known as Western av., lying in present limits of Boston, laid out, Dec. 7, 1868; part from Beacon st. to Tremont st. named Brookline av., 1868.
- \***Western avenue, Bri.**; from Cambridgeport bridge to Watertown bridge; name of River st. changed to Western av., June 13, 1873; relocated by Street Commissioners, Oct. 3, 1877.
- Westfield street, B.**, 1875; from Tremont st., nearly opposite Northfield st., north-westerly; formerly from Tremont st. to Columbus av.
- \***West Fifth street, So. B.**, 1873; from Dorchester av. to Dorchester st.; part of Fifth st. called W. Fifth st., Feb. 18, 1873.
- \***West First street, So. B.**, 1873; from Dorchester av., easterly, to N.Y. & N.E. R.R. then south-easterly to Dorchester st.; part of First st. called W. First st., Feb. 18, 1873.
- \***Westford street, Bri.**, 1891; from Raymond st., near and east of Everett st.; Everett sq. and Everett pl. laid out as Westford st., May 18, 1891.
- West Fourth street, So. B.**, 1873; from Dover-st. bridge to Dorchester st.; part of Fourth st. called W. Fourth st., Feb. 18, 1873.
- West Haven street, B.**; from Newland st., north-westerly, between Rutland st. and W. Newton st.; same in 1867.
- West Hill, B.**; south of the foot of Cambridge st., by Charles River, 1722.
- \***Westland avenue, Rox.**, 1878; from Massachusetts av. to Parker st.; laid out from W. Chester park (now Massachusetts av.) to Parker st.; Dec. 27, 1878.
- \***Westminster avenue, Rox.**; from Washington st. to Walnut av., April 25, 1864.
- \***Westminster street, Rox.**; from Hammond st. to Ruggles st.; laid out, Sept. 1, 1871.
- Westmoreland street, Dor.**; from Adams st., west, to Berkshire st.
- West Newbury street, Rox.**; from Jersey st. (now Charlesgate-west) to Brookline av.; laid out as Newbury st., March 30, 1894.
- \***West Newton street, B.**, 1868; from Washington st. to and crossing Falmouth st.; Newton st. laid out on the Neck, July 24, 1826; named, from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; laid out from Tremont st. to Boston Water Power Co.'s line, Aug. 13, 1861, and June 13, 1865; from Washington st. to Columbus av. named W. Newton st., April 21, 1868; laid out from Water Power Co.'s line to Columbus av., July 14, 1868; laid out from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; laid out from location of B. & P. R.R. to Huntington av., Dec. 27, 1878; laid out from Huntington av. to land of B. & A. R.R., July 25, 1881.
- \***West Ninth street, So. B.**; from D st. to Dorchester st.; part of Ninth st. called W. Ninth st., Feb. 18, 1873.
- \***Weston square, B.**; that part of public lands called Weston st. and sq. named Union park, May 19, 1851.



- \***Weston street, B.**; laid out on the Neck, July 24, 1826; named from Tremont st. to Suffolk st. (now Shawmut av.), Sept. 15, 1834; a mall or common laid out, Nov. 25, 1850; name changed to Union park, May 19, 1851.
- \***Weston street, Rox.**; from Warwick st. to Windsor st.; name of Sudbury st. (from Tremont st. to Cabot st.) changed to Weston st., April 21, 1868; laid out from Tremont st. to Windsor st., Dec. 30, 1869; extended from Cabot st. to Warwick st., Nov. 25, 1879.
- West Orange street, B.**, 1831; from Washington st., west, to Village pl. (from Castle st. opposite Village st.); called Orange pl., 1825; named W. Orange st., 1831; accepted, Dec. 18, 1854; portion between Washington st. and Shawmut av. discontinued as a public street, Feb. 3, 1872; named Orange st., 1874.
- Westover street, W. Rox.**; from Weld st. to Joy st.
- West Park street, Dor.**; from Bernard st., near Harvard st. station; Park st., west of Washington st., sometimes so called; part from Washington st. to the N.Y. and N.E. R.R. laid out as Park st., Sept. 8, 1886.
- West row, B.**; on the part of Cambridge st., now Court st., near Bowdoin sq., 1803-1830.
- \***West Rutland square, B.**, 1871; from Columbus av., north-westerly, to Carleton st.; part of Rutland st., west of Columbus av., named W. Rutland sq., July 25, 1871.
- \***West Second street, So. B.**, 1873; from Dorchester av. to Dorchester st.; part of Second st. called W. Second st., Feb. 18, 1873.
- West Selden street, Dor.**; from Morton st. to Crossman st.
- \***West Seventh street, So. B.**, 1873; from Dorchester av. to Dorchester st.; part of Seventh st. called W. Seventh st., Feb. 18, 1873.
- \***West Sixth street, So. B.**, 1873; from Dorchester av. to Dorchester st.; part of Sixth st. called W. Sixth st., Feb. 18, 1873.
- West Sixth-street place, So. B.**; from 62 W. Sixth st., north-easterly.
- \***West Springfield street, B.**, 1868; from Washington st. to Columbus av.; Springfield st. laid out on the Neck, July 24, 1826; named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; from Washington st. to Columbus av. called W. Springfield st., April 21, 1868; laid out from Boston Water Power Company's old line to Columbus av., Oct. 26, 1869; laid out from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R., Dec. 7, 1869; from Columbus av. to B. & P. R.R. named Wellington st., June 27, 1870.
- \***West Third street, So. B.**; from W. Second st. to Dorchester st.; part of Third st. called W. Third st., Feb. 18, 1873.
- \***Westville street, Dor.**; from Bowdoin st. to Corwin st.; formerly from Bowdoin st. to Arcadia st.; laid out from Bowdoin st. to Draper st., including a part of Bowdoin sq., Dec. 29, 1880; laid out from Draper st. to Corwin (formerly Westville) st., Sept. 10, 1890; part of Westville st., 215 feet north from Arcadia st., laid out as Corwin st., Sept. 10, 1890.
- \***West Walker street, Chsn.**; laid out from Main st., Sept. 29, 1869; called also Walker av. and Walnut av.; name changed to Lincoln st., Dec. 27, 1869.
- \***West Walnut park, Rox.**; from Washington st., opposite Walnut park, north-westerly; laid out, Oct. 9, 1877.
- \***West Windsor street, Rox.**; Windsor st., from Ruggles st. to Weston st., sometimes so called.
- West Wood Island, E.B.**; south-easterly from proposed part of Cottage st., and south-westerly from Wood Island Park.

- \***Wexford street**, Bri., 1886; from Market st. to Hillside av.; Winship av. laid out as Wexford st., Dec. 10, 1886.
- Weyanoke park**, Dor.; between Shenandoah st. and Weyanoke st.
- Weyanoke street**, Dor.; from Carruth st. to Wessex st.
- \***Wharf street**, B.; from Broad st. to India st.; same in 1808; confirmed as a public street, Sept. 15, 1834.
- †**Wheatland avenue**, Dor.; from Washington st. to N.Y. & N.E. R.R.; laid out from Washington st. to Kilton st., June 24, 1879.
- Wheaton square**, W. Rox.; from 208 Lamartine st.
- \***Wheeler street**, B., 1872; from Shawmut av. to Indiana pl. (now Corning st.); from Pleasant st., west, called Wheeler's court, 1829; laid out from Shawmut av. and extended to Indiana pl., Dec. 30, 1870; named Wheeler st., May 30, 1872.
- Wheeler's corner**, B., 1708; corner of Newbury (now Washington) st. and Pond (now Bedford) st.
- \***Wheeler's court**, B., 1829; from Pleasant st., west, near Kirkland st.; laid out, widened and extended from Shawmut av. to Indiana pl. (now Corning st.), Dec. 30, 1870; named Wheeler st., May 30, 1872.
- Wheeler's Point**, B.; at the foot of Sea (now Federal) st., 1675; called Windmill Point, 1722.
- Wheelock avenue**, Dor.; from Hancock st., westerly, near Columbia st.
- Whetcomb's or Whitcomb's corner**, B., 1708; corner of School st. and Tra Mount st.
- White avenue**, W. Rox.; from South st., westerly, then southerly, to Jamaica st.; no record of change of name, but part northerly from Jamaica st. laid out (from Jamaica st. to White av., now Custer st.) as Woodman st., Dec. 9, 1878; part from South st. to Woodman st. laid out as Custer st., May 19, 1881.
- White Bread alley**, B., 1708; the alley leading from North st. down to Captain Richards' corner in Ship st.; called Bartlett st., 1826; Harris st., 1868.
- \***White street**, E.B.; from Border st. to Trenton st.; accepted and laid out, Dec. 28, 1855; accepted at junction Eutaw st. and White st., at junction Trenton st. and White st., and at junction Monmouth st. and White st., Nov. 1, 1858.
- White street**, Dor.; from Glenway st. to Bicknell st.
- White-street place**, E.B.; from 38 White st., near Meridian st., northerly.
- White's corner**, B., 1800; corner Ann (now North) st. and Centre (now N. Centre) st.
- White's (Major) corner**, B., 1800; corner Essex st. and Short (now Kingston) st.
- †**Whitfield street**, Dor.; from Park st., south-easterly, crossing Wheatland av. and Talbot av., to Norfolk st.; laid out from Park st. to Wheatland av., Oct. 14, 1890.
- \***Whitford street**, W. Rox., 1888; from Kittredge st. to Augustus av.; part of Clarendon av. laid out as Whitford st., Oct. 23, 1888.
- \***Whiting street**, Rox.; from Warren st. to Moreland st.; Forest av. laid out as Whiting st., March 19, 1884.
- Whiting street**, W. Rox.; from Baker st., west, between Gardner st. and Spring st.
- Whitman street**, Dor.; from Norfolk st., south-east, near Edson st.

- \*Whitmore street, B., 1886; from Kneeland st. to Harvard st.; Kneeland pl. included in laying out of Whitmore st., June 12, 1886.
- Whitney place, Rox.; from Tremont st., opposite Whitney st., southerly.
- \*Whitney street, Rox.; from Tremont st. to Conant st.; laid out, July 15, 1876.
- Whitney street, Bri.; from Market st. to Murdock st.; same in 1875; authority to open given by Street Commissioners, Aug. 5, 1891; now called Mapleton st.
- Whittier street, Rox.; from Hampshire st. to Downing st.; formerly Mahan av.
- Whitwell's corner, B., 1800; corner of Ann (now North) st. and Dock sq.
- \*Wicklow street, Bri.; from Market st. to N. Beacon st.; private way known as Lyman av. from Market st., and part of another private way known as Hillside av. near N. Beacon st., laid out as Wicklow st., Dec. 5, 1881.
- \*Wiget street, B., 1894; from Salem st. to N. Margin st.; that part of N. Margin st. leading north-west from 90 Salem st. called Wiget st., March 1, 1894.
- \*Wiggin street, B., 1878; from N. Bennet st. to Tileston st.; from N. Bennet st. called Short lane, 1796; extended to Tileston st., 1833; called Short st., 1849; name changed to Wiggin st., April 24, 1878.
- Wiggin street, W. Rox.; from Beech st., south-west, between Washington st. and Poplar st.
- \*Wigglesworth street, Rox.; from Tremont st., crossing Huntington av., to Longwood av.; laid out, Oct. 13, 1887.
- Wilberforce place, B., 1843; from Southac (now Phillips) st., south; name changed to Primus av., 1871.
- Wilber court, E.B.; from 319 Sumner st., near Cottage st., south-westerly.
- Wilder street, Dor.; from Washington st. to Geneva av.; new street opposite estate of Hon. Marshall P. Wilder named Wilder st., April 8, 1879.
- Wild's corner, B., 1800; corner School st. and Governor's alley (now Province st.)
- Wildwood street, Dor.; from Morton st. to Woolson st.
- \*Wilkes street, B., 1894; from Washington st. to Bradford st.; Wells pl. laid out as Wilkes st., April 6, 1894.
- Wilkes court, B.; at an early date, from Beer lane or Richmond (now Parmenter) st.
- Wilkins place, W. Rox.; from Sycamore st., north, between Poplar st. and Hawthorne st.
- Willard place, B.; from Washington st., westerly, between Lenox st. and Camden st.; same in 1846.
- Willard place, Bri.; from N. Harvard st., south-east, near the Charles River.
- \*Willard street, B., 1868; from Leverett st. to Lowell st.; formerly from Leverett st. north-easterly, towards Lowell st.; called Vernon st., 1825; named Willard st., April 21, 1868; April 19, 1881, the Supreme Court decided that Willard st. had become public by dedication prior to statutes of 1846; extended to Lowell st., Sept. 17, 1888.
- Williams avenue, Rox.; from Seaver st.; laid out from Seaver st. and extended to Munroe st. and named Humboldt av., Dec. 30, 1882.
- Williams court, B., 1788; from Washington st. through arch at easterly end to Court sq.; formerly from Cornhill (now Washington st.), west;

- called Savage's court, 1732; named Williams court, 1788 or 1789; accepted conditionally, June 21, 1862; acceptance rescinded, conditions not having been complied with, May 17, 1864.
- Williams court**, Rox.; shown on plan, 1849, unnamed, from Washington st., north-westerly, crossing end of Williams st.; after laying out of Shawmut av., through Williams st., Williams court widened at various times, being called both court and street until Oct. 25, 1872, when Williams st. was extended from Shawmut av. to Westminster st.
- \***Williams street**, B., 1821; from Federal st. to Atkinson (now Congress) st.; called Round lane, 1732; name changed to Williams st., Jan. 10, 1821; altered, 1867; name changed to Matthews st., April 21, 1868.
- Williams street**, Rox.; from Williams court to Washington (now Roxbury) st.; named from Washington st. by Sam Langley's to Worcester turnpike, May 9, 1825; continued and widened from S. Langley's house to Mr. William Bacon's fence, then turning and running toward Washington st., April 30, 1838; width and grade from Vernon st. to Washington st. established, Oct. 11, 1852; Shawmut av. laid out over Williams st. from end at Williams court to Washington (now Roxbury) st., June 3, 1857; laid out (conditionally) by County, Nov. 23, 1857.
- \***Williams street**, Rox.; from Washington st. to Westminster st.; laid out from "Mr. Bacon's fence toward Washington st.," April 30, 1838; called Williams court where Shawmut av. was built in 1857, and after that date both Williams court and street until Sept. 16, 1872, when Williams st. was extended from Shawmut av. to Westminster st.
- \***Williams street**, W. Rox.; from Forest Hills st. to B. & P. (now N.Y., N. H. & H.) R.R.; formerly from Blue Hill av., crossing Washington st. to B. & P. R.R.; once called Cook's lane; laid out from Blue Hill av. to Walnut st. (now av.), Nov. 14, 1870; laid out from Walnut st. across Forest Hills st. and Stony Brook to Shawmut av. (now Washington st.), Jan. 10, 1871, and March 5, 1872; laid out from Shawmut av. to B. & P. R.R., opposite easterly end of Carolina av., Sept. 8, 1873; extension accepted as town way, Aug. 21, 1873; part between Blue Hill av. and Forest Hills st. included in Franklin Park.
- Williams street**, W. Rox.; from South st. to Bellevue av.; laid out from Birch st. at South st. to Cottage (now Amherst) st., and named Brandon st., Sept. 14, 1881.
- Williams street**, Chsn.; from Main st., westerly, between Dunstable st. and Phipps st.; same in 1875; Stacey st. laid out from Main st. to Dunstable st., including Williams st., Oct. 7, 1889.
- Williams corner**, B., 1708; corner Fleet st. and Middle (now Hanover) st.
- Willicut place**, Dor.; from Union av., now Rosseter st., south-westerly, south of Rosseter pl.
- Willoughby place**, Rox.; from Blanchard pl. (now Blanchard st.), north-westerly.
- †**Willow court**, Dor.; from Boston st., north-westerly, nearly to E. Chester park (now Massachusetts av.) at Oak st.; from Captain Clapp's by Mrs. C. Howe's, named Willow court, March 11, 1840.
- Willow park**, Rox.; from Shawmut av., north-westerly, between Williams st. and Ruggles st.
- \***Willow street**, B., 1823; from Chestnut st. to Mt. Vernon st.; called Maple st., 1822; name changed to Willow st., 1823.
- †**Willow street**, W. Rox.; from Railroad st., crossing Centre st. and Weld st., to Dunbar st.; named from Centre st., near Clay Brook to former Newton line, May 9, 1825; part between Centre st. and Weld st. probably a public highway some time previous.
- \***Wilmont street**, Rox.; from Bainbridge st. to Elmore st.; laid out, July 20, 1880; name changed to Mayfair st., Feb. 16, 1882.

- Wilson street**, W. Rox.; from Walnut st. (now Walnut av.), crossing Suffolk st., towards Blue Hill av.; included in Franklin Park, 1882.
- \***Wilson's lane**, B.; from King (now State) st. to Dock sq.; called Crooked lane, 1708; name changed to Wilson's lane, May 12, 1712; Devonshire st. extended through Wilson's lane to Dock sq., June 6, 1872.
- \***Wilton street**, Bri.; from Cambridge st., north-westerly, to unnamed street near Harvard av.; from Cambridge st. to Braintree st. laid out, Sept. 4, 1890.
- Wiltshire street**, B.; from Green lane (now Green st.), north, then west, then north-west, to the water; 1725; called Shute st. in Selectmen's list, 1788; from Mr. Allen's house up by Phillips and Winthrop's new ropewalk, 1800; added to and called Chambers st., Sept. 18, 1811; accepted and recorded under name of Chambers st., May 26, 1868.
- \***Winchester street**, B.; from Pleasant st.; to Ferdinand st.; called S. Cedar st., 1825; named Winchester st., July 7, 1869.
- Winchester street**, Chsn.; from Rutherford av.; laid out from Rutherford, av., name changed to Dunstable st. and extended to Main st., Nov. 11, 1881; called Washington st. on chart, 1875.
- Windham place**, Br.; from Warren st.; (Directory, 1884).
- Windmill Point**, B.; from the foot of Sea st., west; called Wheeler's Point, 1675; named Windmill Point, 1722 (now Federal).
- Windmill walk**, B.; from Hanover st. by the side of the Mill creek, 1796-1816.
- \***Windom street**, Bri.; near the corner of Cambridge st. and N. Harvard st.; authority to open, given by Street Commissioner, July 10, 1891; from Cambridge st. to a point near and north-west of Home av. (now Hopedale st.); laid out, April 8, 1892.
- Windsor place**, Rox.; from Windsor st., north-easterly, between Shawmut av. and Westminster st.
- Windsor road**, Bri.; from Kilsyth road, east, to Brookline line.
- \***Windsor street**, Rox.; from Ruggles st. to Weston st.; name of Clark st. changed to Windsor st., April 21, 1868; laid out, Dec. 30, 1869; in Directory of 1894 this street is given as W. Windsor st.
- \***Windsor street**, Rox.; from Cabot st. to Shawmut av.; name of Clark st. changed to Windsor st., April 21, 1868; laid out, Sept. 1, 1871; given as E. Windsor st. in Directory, 1894.
- Winfred court**, B.; from Sawyer st., east, to end of Trainer court; same in 1870; included in the laying out of Dillon st., from Lenox st. to Sawyer st., Oct. 24, 1887.
- Wing's lane**, B.; from Hanover st. to Dock sq.; called Hudson's lane, 1658; named Wing's lane, 1708; name changed to Elm st., May 26, 1800.
- Winnisimmet ferry**, B.; from Commercial st., opposite the foot of Hanover st., north-easterly, to Chelsea; Hanover st. extended from Commercial st. to Chelsea ferry, April 5, 1886.
- Winship avenue**, Bri.; from Market st. to Hillside av.; laid out as Wexford st., Dec. 10, 1886.
- Winship place**, Bri.; from Washington st., near Chestnut Hill av., south-westerly, then south-easterly and north-westerly; same in 1875; laid out with name of Dighton pl., Dec. 19, 1889.
- \***Winship street**, Bri.; from Washington st. to Chestnut Hill av.; laid out from Washington st. to Union st., March 30, 1857; accepted, April 13, 1857; accepted from Union st. to Rockland st. (now Chestnut Hill av.), April 1, 1867; alterations by Selectmen accepted, May 18, 1871.
- Winsley's corner**, B.; corner of Bell alley (now Prince st.) and Fleet st., 1708.

- Winslow place**, B.; from Chambers st., easterly, nearly opposite Allen st.; same in 1844.
- Winslow place**, Rox.; from Washington st., north-westerly, between Ruggles st. and Williams st.
- \***Winslow street**, Rox.; from Eustis st. to Dudley st.; Short st., from Eustis st. to Union (now Taber) st., having been extended to Dudley st.; named Winslow st., Dec. 17, 1860.
- Winslow street**, W. Rox.; from Temple st. to Dent st.; same in 1874.
- Winslow's corner**, B.; corner Spring lane and Joyliff's lane (now Devonshire st.), 1708.
- Winsor wharf**, B.; from Albany st., easterly.
- Winter court**, B.; from Winter st. to Temple pl., 1830; called Winter pl., 1836.
- Winter place**, B.; from Winter st. to Temple pl.; called Winter court, 1830; Winter pl., 1836.
- \***Winter street**, B.; from Washington st. to Tremont st.; previous to 1708 called Bannister's lane and Blott's lane; named Winter st., from Newbury (now Washington) st., "nigh the upper end of Summer st., ward into the Common," 1708.
- \***Winter street**, Dor.; from junction of Adams st. and East st. to Hancock st.; street from Meeting-House Hill by Mr. Swan's to East st. named Winter st., March 11, 1840.
- Winthrop place**, B.; from Summer st., north, to Otis pl., 1821; portion discontinued, March 30, 1859; Devonshire st. extended through Winthrop pl. to Summer st., April 23, 1861.
- Winthrop place**, Rox.; from Washington st., to Shawmut av., between Ruggles st. and Williams st.
- \***Winthrop square**, B.; at the junction of Devonshire st. and Otis st.; named, April 23, 1861.
- Winthrop square**, Chsn.; between Winthrop, Adams and Common sts.; anciently called the Training-field; named Winthrop sq., Jan. 17, 1848; lines altered, May 30, 1871.
- \***Winthrop street**, E.B.; from Maverick sq. to Paris st.; accepted, May 26, 1854.
- †**Winthrop street**, Rox. and Dor.; from Warren st. to and across Dennis st.; part of Greenville st. (from Grove Hall, now Blue Hill av., north-westerly) added to Winthrop st., making street extend from Warren st. to Grove Hall av., April 2, 1855; from Warren st. to Greenville st. accepted, Oct. 20, 1856; extended from Blue Hill av. to Dennis st., Sept. 2, 1884.
- \***Winthrop street**, Chsn.; from Main st. to Monument sq.; name of Training-field st. changed to Winthrop st., Dec. 5, 1836; lines changed, Sept. 15, 1856; portion of High st. between Monument court and junction of Adams and Winthrop sts. named Winthrop st., Feb. 2, 1860.
- \***Wirt street**, Bri., 1891; from Washington st. to Henshaw st.; laid out, Nov. 13, 1891.
- Wirth place**, B.; from Camden st., south-westerly, between Washington st. and Shawmut av.; same in 1863; given on chart, 1890, Worth pl.
- Wise place**, Rox.; from Centre st., southerly, parallel with Wyman pl.; laid out and extended to Roys st. and called Wise st., March 5, 1883.
- \***Wise street**, Rox.; from Centre st. to Roys st.; Wise pl. laid out from Centre st., extended to Roys st., and called Wise st., March 5, 1883.
- Wistar place**, Chsn.; from Elm st., north-westerly, near Bartlett st.

- \***Withington street**, Dor.; from Norfolk st. to Torrey st.; laid out, Oct. 7, 1889.
- Wolcott street**, Dor., 1893; from Columbia st. to Erie st.; authority to open given by Street Commissioners, April 21, 1893.
- Wolfert court**, Rox.; from Fellows st., north-west, between Randall st. and Fellows pl.
- Wood lane**, B.; from Middle (now Hanover) st. to Fish (now North) st., and so down to the sea, 1708; the Town slip at the lower end to be open forever, 1709; liberty given to build an open wharf at lower end to lie open for use of inhabitants, about 80 or 100 feet below highway, 1737; called Proctor's lane, 1796, but still called Wood lane on Carleton's map of 1800; made part of Richmond st., 1824.
- Wood place**, B.; from Eliot st., north, nearly opposite Warren (now Warrenton) st., 1856; closed.
- †**Wood street**, Dor.; from Walnut st., north-westerly, near N.Y., N.H. & H. R.R.; part between Walnut st. and Taylor st., laid out as Rice st., July 26, 1894.
- \***Wood street**, Chsn.; from Main st. to High st.; accepted, Aug. 21, 1820.
- Wood-street court**, Dor.; from Walnut st. to Wood st.
- Wood-Island Park**, E.B.; from B., R.B. & L. R.R., south-easterly, to the water.
- \***Woodbine street**, Rox.; from Warren st. to Blue Hill av.; laid out, Dec. 16, 1870.
- \***Woodbury street**, B.; from Washington st. to Shawmut av.; Metropolitan pl., from Washington st., west, laid out, extended to Shawmut av., including Ameer pl., and named Woodbury st., March 29, 1882.
- Woodland avenue**, Dor.; from Savin Hill av. to Grampian way.
- †**Woodland road**, W. Rox., 1892; from Pond st. and May st.; authority to open given by Street Commissioners, June 20, 1892; from Moss Hill road, westerly, to Moss Hill road again at its junction with Pond st.; laid out for about 500 feet west from Moss Hill road, Oct. 12, 1894.
- Woodlawn street**, W. Rox., 1892; between Hyde Park av. and Forest Hills cemetery; authority to open given by Street Commissioners, May 4, 1892.
- \***Woodman street**, W. Rox.; from Custer st. to Jamaica st.; formerly a part of White av.; laid out from Jamaica st. to White av. (now Custer st.), Dec. 9, 1878.
- Woods place**, Chsn.; from N. Mead st., north-westerly, to Charlestown playground, then north-easterly.
- \***Woodside avenue**, W. Rox.; from Washington st. to Forest Hills st.; shown on map, 1849; laid out and accepted as town way, Nov. 15, 1854.
- Woodstock street**, Rox.; from Maple av. (now Bellevue st.) to Plymouth st.
- Woodville avenue**, Rox.; from Blue Hill av., easterly, northerly, and westerly to Dennis st., 1873; same called later Woodville sq.; northerly and westerly parts later called Woodville st.; now forming Woodville st., and a part of W. Cottage st.
- Woodville park**, Rox.; from Dennis st., north-west, between Stafford st. and Moreland st.
- Woodville square**, Rox.; from W. Cottage st., northerly, then westerly, to Dennis st.; on chart, 1873, called Woodville av., from Blue Hill av., easterly, northerly and westerly, to Dennis st.; later called Woodville sq.; W. Cottage st. extended to Blue Hill av. in part over part of, Feb. 18, 1875; laid out from W. Cottage st. to Dennis st., March 26, 1877;

- name of, between W. Cottage st. and Dennis st., changed to Woodville st., March 1, 1890; name of Dennis st., from Woodville sq. to Blue Hill av., changed to Woodville st., March 1, 1890.
- \***Woodville street**, Rox., 1890; from Blue Hill av. to W. Cottage st.; name of Woodville sq., from W. Cottage st. to Dennis st., changed to Woodville st., March 1, 1890; name of part of Dennis st., from Woodville sq. to Blue Hill av., changed to Woodville st., March 1, 1890.
- \***Woodward avenue**, Rox.; from Dudley st. to George st.; laid out, May 7, 1877.
- Woodward park**, Dor.; from Dudley st., south-westerly, then north-westerly, to Howard av.; part south-westerly from Dudley st. laid out, with name of Folsom st., Aug. 5, 1884; remainder, between Folsom st. and Howard av., called Woodward-Park st. in Directory and in Bromley's atlas, 1894.
- Woodward place**, So. B.; from Woodward st., southerly, near Dorchester av.
- \***Woodward street**, So. B.; from Dorchester st. to Dorchester av.; laid out and extended, Nov. 3, 1869.
- Woolsey square**, W. Rox.; open space around railway station at Green st. station, between Green st. and Gordon st.; called also Depot sq.
- \***Woolson street**, Dor.; from Blue Hill av. to Norfolk st.; laid out, Aug. 5, 1892.
- Worcester place**, B.; from Washington st., north-westerly, between Lenox st. and Clifton pl.; same in 1859.
- \***Worcester square**, B.; from Washington st. to Harrison av.; part of E. Worcester st., 1834; called Worcester sq., 1851; accepted as laid out by the City of Boston in 1852, June 30, 1863.
- \***Worcester street**, B.; from Washington st. to Columbus av.; laid out on the Neck, July 24, 1826; named from Tremont st. to Front st. (now Harrison av.), Sept. 15, 1834; widened between Washington st. and Harrison av. and a common or mall laid out, to be completed by Jan. 1, 1852; Worcester st. accepted, Dec. 7, 1857; extended west of Tremont st. to Boston Water Power Co.'s line and accepted, Aug. 13, 1861; part between Washington st. and Harrison av. accepted and named Worcester sq., June 30, 1863; laid out from Boston Water Power Co.'s old line to Columbus av., Oct. 26, 1869; laid out from Columbus av. to B. & P. (now N.Y., N.H. & H.), R.R. Dec. 7, 1869; from Columbus av. to B. & P. R.R. named Claremont pk., Nov. 22, 1870.
- Worcester street**, Bri.; from Washington st. to Mt. Vernon st., 1875; called Church st. in 1885; no record; laid out, with name of Eastburn st., June 11, 1886.
- Worcester turnpike**, Rox.; from Guild row to Brookline line; called Washington st., 1825; part between Guild row and Pyncheon st. (now Columbus av.) named Roxbury st., June 16, 1874; part between Pyncheon st. and Brookline line named Tremont st., April 21, 1868; part between Francis st. and Brookline line changed to Huntington av., Jan. 5, 1895.
- †**Wordsworth street**, E.B.; from Pope st. to Coleridge st.; laid out, from Saratoga st. to Milton st., Sept. 8, 1885.
- Worley street**, W. Rox.; from Weld st., near Arnold st., south-easterly, to Dwinell st.
- Worthington place**, Rox.; from Tremont st., southerly, opposite Worthington st.; now S. Worthington st.
- \***Worthington street**, Rox.; from Tremont st. to Longwood av.; laid out, Aug. 16, 1887.



- †**Wren street**, W. Rox. ; from Rutledge st. to Robin st. ; shown on map, but unnamed, 1849 ; laid out, from Rutledge st. to Oriole st., Nov. 5, 1894.
- Wrentham park**, Dor. ; from Dorchester av., west, near Ashmont st.
- \***Wrentham street**, Dor. ; from Dorchester av. to Bruce st., opposite Shelton st. ; formerly from Dorchester av. to Ashmont st. ; laid out, from Ashmont st. to Dell (now Dracut) st., March 27, 1890 ; name of part between Ashmont st. and Dracut st. changed to Bruce st., March 1, 1894 ; laid out, from Dorchester av. to Shelton st., Oct. 4, 1894.
- Wright's court**, So. B. ; from W. Broadway to Athens st., between D st. and E st.
- Wybourne's lane**, B. ; Hawley st. was so called at an early date.
- Wyman place**, B. ; from Common st., north-easterly, near Washington st. ; same in 1868.
- Wyman place**, Rox. ; from Centre st., southerly, opposite Parker st. ; Gilbert st. (now Chestnut av.) extended to Centre st. over a part of Wyman pl., Sept. 7, 1881.
- \***Wyman street**, Rox. ; from Centre st. to Lamartine st. ; accepted and named from Centre st. to Curtis st. (now Chestnut av.), Nov. 26, 1866 ; extended to Lamartine st., June 5, 1877.
- †**Wyoming street**, Rox. ; from Warren st. to Humboldt av. ; laid out from Warren st. to Wabeno st., Aug. 31, 1882 ; authority to open part from Wabeno st. to Humboldt av. given by Street Commissioners, June 9, 1891.
- \***Yarmouth street**, B., 1869 ; from Columbus av. to B. & P. (now N.Y., N.H. & H.) R.R.
- Yendley place**, Rox. ; from Coventry st., north-east, north-west of Berlin st. ; included in the extension of Columbus av., Jan. 4, 1895.
- Yeoman court**, Rox. ; from Yeoman st., south-west, between Adams st. and Chadwick st.
- Yeoman place**, Rox. ; from Yeoman st., north-east, between Adams st. and Chadwick st.
- \***Yeoman street**, Rox. ; from Albany st. to Hampden st.
- York street**, Dor. ; from Glenway st. to Greenwood st.
- Young's court**, B., 1860 ; from North st., west, between Cross st. and Arch pl. ; not in atlas or directories.
- Zamora st.**, W. Rox., 1895 ; from Perkins st. to Castleton st. ; authority to open given by Street Commissioners, Jan. 5, 1895.
- Zeigler place**, Rox. ; from Zeigler st., south-west, between Winslow st. and Dearborn st.
- \***Zeigler street**, Rox. ; from Washington st. to Dearborn st.
- Zone street**, B., 1840 ; from Grove st. to the rear of W. Cedar st. ; Myrtle st. extended through it to May st., 1851.





ANNUAL REPORT

OF THE

SURVEYING DEPARTMENT,

FOR THE YEAR 1894.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: The City Surveyor respectfully submits the following report for the twelve months commencing February 1, 1894, and ending January 31, 1895:

FINANCIAL.

The appropriation for the fiscal year was . . . . .	\$35,000 00
Amount transferred by order of City Council . . . . .	3,608 72
	\$38,608 72
Expenditures for municipal year . . . . .	38,608 72

CLASSIFICATION OF EXPENSES.

Salaries . . . . .	\$35,431 43
Drawing-paper and materials . . . . .	135 53
Printing, stationery, blank-books, etc. . . . .	160 14
Binding volumes of plans and repairing same, . . . . .	31 35
Instruments and repairing same . . . . .	189 82
	\$35,948 27
<i>Carried forward,</i>	





## PLANS

IN SURVEYING DEPARTMENT, JANUARY 31, 1895.

OFFICE AT CITY HALL.

Indexed.	General Head under which Classified.	Number of Plans.
Vol. A . . . . .	Plans of estates (lithographed) . . . . .	221
" B . . . . .	" " " " . . . . .	186
" C . . . . .	" " " " in Brighton . . . . .	31
" D . . . . .	" " " " in West Roxbury . . . . .	53
" E . . . . .	" " " " . . . . .	16
" 1 to 13 <sup>1</sup> . . . . .	" " " widenings, etc. . . . .	664
" { 14, 15, 16, } and 17 } . . . . .	" " " . . . . .	505
" 18 . . . . .	School-house and miscellaneous plans . . . . .	95
" 19 . . . . .	Plans from actual survey in City Proper . . . . .	130
" 20 . . . . .	Profiles of City Proper and Bost'n Harbor, and ancient plans, . . . . .	91
" 21 . . . . .	Plans and profiles of streets in East Boston, 1849 . . . . .	45
" 22 . . . . .	" " " " " " " " 1868 . . . . .	45
" 23 . . . . .	" " " " " " South Boston, 1848 . . . . .	27
" 24 . . . . .	" " " " " " " " 1860 . . . . .	39
" 25 . . . . .	" " " " " at South End . . . . .	21
" 26 . . . . .	" " " " " in Church and Suffolk st. Dists., . . . . .	38
" 27 . . . . .	" " " " various streets . . . . .	16
" 28 . . . . .	" " " " streets at South End . . . . .	15
" 29 . . . . .	Miscellaneous plans, estates, etc. . . . .	69
" 30 . . . . .	" " " " . . . . .	97
" 31 . . . . .	Official plans from 1851 to 1854 . . . . .	103
" 32 . . . . .	Plans of estates . . . . .	112
" 33 . . . . .	" " " . . . . .	131
" 34 . . . . .	" " " . . . . .	108
" 35 . . . . .	" " " . . . . .	256
" 36 . . . . .	" " " . . . . .	118
" 38 } 39 } . . . . .	Hale's plans of the streets in Boston, 1819 . . . . .	176
" 40 . . . . .	Plans of estates . . . . .	66
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" 42 . . . . .	Ancient plans of estates in South Boston, etc. . . . .	46
" 43 . . . . .	Sectional plans of city lands at South End . . . . .	24
" 44 . . . . .	Plans of estates in Roxbury . . . . .	77
" 45 . . . . .	" " " " " . . . . .	70
" 46 . . . . .	" " " " " . . . . .	80
" 47 . . . . .	" " widenings in Roxbury . . . . .	50
	<i>Carried forward</i> . . . . .	4,315

<sup>1</sup> Vol. 8 is a set of Architects' plans, and has been transferred to the City Architect.

PLANS

IN SURVEYING DEPARTMENT, JANUARY 31, 1895. — *Continued.*

Indexed.	General Head under which Classified.	Number of Plans.
	<i>Brought forward</i> . . . . .	4,315
Vol. 48 . . . . .	Plans of widenings, etc., in Roxbury . . . . .	140
" 49 . . . . .	" " " " " " . . . . .	73
" 50 . . . . .	Third Parish and Grammar School lands in Roxbury . . . . .	57
" 51 . . . . .	Plans of widenings in Roxbury . . . . .	59
" 52 . . . . .	Plans of city lands and widenings in Roxbury . . . . .	92
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" 54 . . . . .	" " " " " " . . . . .	87
" 55 . . . . .	" " " " " " . . . . .	42
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" 57 . . . . .	Plans of widenings in Brighton . . . . .	25
" 58 . . . . .	" " estates in Brighton . . . . .	115
" 59 . . . . .	" " " " " " . . . . .	74
" 60 . . . . .	" " city property, etc., in Brighton . . . . .	18
" 61 . . . . .	" " widenings in West Roxbury . . . . .	75
" 62 . . . . .	" " " " " " . . . . .	44
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" 64 . . . . .	Plans of city property, etc., in West Roxbury . . . . .	27
" 65 . . . . .	" " estates, etc., in West Roxbury . . . . .	199
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" 69 . . . . .	" " " " " . . . . .	140
" 70 . . . . .	" " " " " . . . . .	182
" 71 to 82 . . . . .	Charlestown plans, in bound volumes, showing street-widenings and estates . . . . .	626
" 83 . . . . .	Charlestown street surveys . . . . .	229
" 84 . . . . .	Miscellaneous plans . . . . .	106
" 85 . . . . .	Plans of estates in Roxbury . . . . .	485
" 86 . . . . .	" " " " " " . . . . .	18
" 87 . . . . .	" " " etc. . . . .	169
" 88 . . . . .	" " " " . . . . .	32
" 89 . . . . .	" " " " . . . . .	140
" 90 . . . . .	" " " " . . . . .	6
" 91 . . . . .	" " " " . . . . .	85
	<i>Carried forward</i> . . . . .	8,292

## PLANS

IN SURVEYING DEPARTMENT, JANUARY 31, 1895. — *Concluded.*

Indexed.	General Head under which Classified.	Number of Plans.
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In Drawer A . . . .	Plans of Boston from 1777 to 1891 . . . . .	39
“ Cases CC . . . .	Miscellaneous rolled plans . . . . .	640
“ Drawer E . . . .	Plans from surveys in City Proper . . . . .	503
“ “ F . . . .	Plans and profiles from surveys in City Proper and Roxbury . . . . .	627
“ “ G . . . .	South Boston plans and profiles . . . . .	330
“ “ H . . . .	East Boston plans and profiles . . . . .	129
“ “ L . . . .	Official plans, profiles, etc. . . . .	2,701
“ “ M . . . .	Copies of plans by other surveyors . . . . .	321
“ “ N . . . .	Plans of city lands . . . . .	201
	4 vols. tracings of plans and profiles . . . . .	632
In Drawers . . . .	“ “ “ “ . . . . .	585
Vol. I. to LIV . . .	Copies of official plans indexed in Vol. 31 and Drawer L . . . . .	2,632
	Other plans in bound volumes . . . . .	1,450
	Miscellaneous plans of the Back Bay Commission in portfolio . . . . .	15
	Hauging plans . . . . .	23
	Rolled plans in chest . . . . .	55
	Plans in progress, City Proper . . . . .	82
	“ “ “ South Boston . . . . .	51
	“ “ “ East Boston . . . . .	32
	“ “ “ Roxbury . . . . .	80
	“ “ “ Dorchester . . . . .	97
	“ “ “ West Roxbury . . . . .	92
	“ “ “ Brighton . . . . .	65
	“ “ “ Charlestown . . . . .	15
	South Boston sectional plans . . . . .	42
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	Roxbury “ “ . . . . .	163
	West Roxbury . . . . .	83
	Sectional plans filed by Board of Survey . . . . .	184
	15 vols. copies of Assessors' plans . . . . .	1,579
	Indexed plans of Dorchester . . . . .	2,575
	Sectional plans “ “ . . . . .	232
	Miscellaneous plots and plans of Dorchester . . . . .	620
	Total number of plans in Surveying Department . . . . .	25,221



There are also 3,288 lithographed plans in the office at City Hall, not included in the foregoing list, viz. :

Lithographed maps of Dorchester, made in 1869 . . . . .	47
“ “ “ “ 1880 . . . . .	166
“ “ West Roxbury, “ 1873 . . . . .	50
“ “ Brighton, “ 1873 . . . . .	19
“ “ Fort Hill, “ 1866, '69 . . . . .	132
“ “ Church-street District, made in 1868 . . . . .	210
“ “ Washington-street extension, made in 1869, . . . . .	345
“ “ Washington-street widening, made in 1860, . . . . .	740
“ “ North street, made in 1859 . . . . .	2
“ “ Stony-brook drainage area . . . . .	19
“ “ Boston, made in 1866, '67 . . . . .	119
“ “ “ “ 1888 . . . . .	377
“ “ Suffolk-street District, made in 1869 . . . . .	23
“ “ South Boston, made in 1880 . . . . .	91
“ “ Roxbury, “ “ . . . . .	119
“ “ Charlestown, 1890 . . . . .	16
“ “ Bussey farm . . . . .	509
“ “ Burnt District . . . . .	83
“ “ Mount Hope Cemetery . . . . .	30
“ “ Winthrop farm . . . . .	60
“ “ Hanover avenue . . . . .	51
“ “ Muddy river . . . . .	45
“ “ Court-House site . . . . .	35
Total . . . . .	3,288

#### PROPERTY IN SURVEYING DEPARTMENT.

(*Not including furniture.*)

Surveying instruments, consisting of transits, levels, leveling rods, steel and metallic tapes and plumb bobs; drawing instruments, books, tools, drawing-boards, drawing-paper, and materials; full sets of Hopkins' and Bomley's atlases of Boston and vicinity; two planimeters, one pantagraph, one papyrograph, and one caligraph. In this department are 25,221 loose and bound plans, and 3,288 lithographed plans, 5 lithographic stones; also horse, buggies, harness, etc., at stable, 41 Pembroke street.

A complete list of the above property is on file in the office.

Respectfully,

PIERRE HUMBERT, JR.,  
*City Surveyor.*





ANNUAL REPORT  
OF THE  
TREASURY DEPARTMENT,  
FOR THE FINANCIAL YEAR, 1894-95.

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CITY OF BOSTON, TREASURY DEPARTMENT,  
CITY HALL, February 11, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: I herewith transmit the annual report of the transactions of the Treasury Department, which includes the receipts and payments of the City of Boston and County of Suffolk for the financial year of 1894-95, beginning February 1, 1894, and terminating January 31, 1895.

Respectfully submitted,

ALFRED T. TURNER,  
*City Treasurer.*

ANNUAL REPORT OF THE CITY TREASURER FOR THE  
FINANCIAL YEAR 1894-95, WHICH ENDED JANUARY 31, 1895.

Balance of Cash on hand February 1, 1894, brought from the financial year 1893-94 . . . . .			\$2,973,683 57
RECEIPTS.			
Received during the year 1894-95 on account of the City of Boston from:			
City Collector . . . . .		\$17,860,089 94	
Temporary Loan, 1894-95, anticipation of Taxes:			
3% . . . . .	\$1,750,000 00		
2½% . . . . .	1,500,000 00		
2% . . . . .	500,000 00		
2% . . . . .	1,750,000 00		
1½% . . . . .	500,000 00		
		6,000,000 00	
City Loans:			
Public Parks, 4% . . . . .	\$2,500,000 00		
Various Municipal Purposes, 1893, 4% . . . . .	1,350,000 00		
Various Municipal Purposes, 1894, 4% . . . . .	599,800 00		
Laying Out and Construction of Highways, 4% . . . . .	500,000 00		
Schools, 4% . . . . .	250,000 00		
Commonwealth Avenue Extension, 4% . . . . .	200,000 00		
Public Park, Wards 6 and 7, 4% . . . . .	200,000 00		
Library Building, Copley square, 4% . . . . .	149,500 00		
Improved Sewerage, 4% . . . . .	50,000 00		
Crushed Stone for Street Improvements, 4% . . . . .	50,000 00		
Rapid Transit, 4% . . . . .	50,000 00		
Rapid Transit, Charlestown Bridge, 4% . . . . .	10,000 00		
		5,909,300 00	
Board of Commissioners of Sinking-Funds:			
For Payment of Debt . . . . .	\$1,705,870 43		
For Cost of Redemption of Debt . . . . .	875 84		
		1,706,746 27	
Cochituate Water Loans:			
Additional Supply of Water, 4% . . . . .		706,000 00	
Premium on City Loans negotiated . . . . .		302,615 00	
Interest on Bank Deposits:			
General account . . . . .	\$53,000 65		
Franklin Trade School Fund . . . . .	6,402 82		
		59,403 47	
George B. Hyde Bequest for Statue of Rufus Choate . . . . .		14,000 00	
Pay-roll Tailings, settlements with Cashier, parties unpaid . . . . .		11,215 99	
Winthrop Bequest, Boston Public Latin School, Tax Titles, received from owners to secure estates sold for taxes . . . . .		250 00	
		97 71	
Total on account of the City of Boston . . . . .			32,569,718 38
On account of the County of Suffolk:			
City Collector . . . . .	\$213,090 73		
County Loans:			
Suffolk County Court-House, 4% . . . . .	40,000 00		
Collateral Inheritance Tax . . . . .	10,309 43		
Pay-roll Tailings . . . . .	484 58		
Total on account of County of Suffolk . . . . .			263,884 74
			<u>\$35,807,286 69</u>

PAYMENTS

MADE ON ACCOUNT OF THE CITY OF BOSTON DURING THE FINANCIAL YEAR 1894-95.

On Mayor's drafts charged to the following appropriations:			
April 19th Celebration . . . . .			\$698 85
Architect Department . . . . .			21,403 87
Assessing Department . . . . .			137,546 11
Auditing Department . . . . .			28,843 62
Board of Aldermen:			
Salaries of Board . . . . .	\$39,857 43		
Soldiers' Relief . . . . .	202,344 27		
			242,201 70
City Clerk Department . . . . .			103,916 63
City Council:			
Contingent Fund, Joint Committees . . . . .	\$7,258 38		
Incidental Expenses . . . . .	50,061 02		
			57,319 40
City Debt Requirements:			
City Debt . . . . .	\$1,178,672 00		
Interest . . . . .	1,460,106 71		
			2,638,778 71
City Loans, Redemption of:			
Redemption of City Debt Proper . . . . .	\$1,601,870 43		
Redemption of Mystic Water Debt . . . . .	102,000 00		
Cost of Redemption of Matured Bonds . . . . .	875 84		
			1,704,746 27
City Messenger Department . . . . .			26,729 68
Clerk of Committees Department . . . . .			12,192 83
Collecting Department . . . . .			91,054 60
Common Council . . . . .			18,646 35
Damages by Dogs, etc. . . . .			2,726 25
Engineering Department . . . . .			36,299 60
Ferry Department:			
Ferry Department . . . . .	\$212,988 13		
Ferry-boat "East Boston," remodelling . . . . .	1,997 43		
Rebuilding one drop . . . . .	9,455 48		
			224,441 04
Fire Department:			
Fire Department . . . . .	\$1,041,284 84		
Equipment of Engine-house, Ashmont, New Engine, Roslindale . . . . .	4,188 83		
Fire-boat No. 2 . . . . .	13,956 25		
			1,059,429 92
Franklin Trades School Fund . . . . .			1,800 50
Health Department . . . . .			166,993 83
Hospital Department:			
Hospital Department . . . . .	\$261,538 03		
New Buildings, City Hospital . . . . .	318,286 81		
			579,824 84
Improved Sewerage . . . . .			100,798 13
Inspection of Buildings Department:			
Inspection of Buildings Department . . . . .	\$67,317 49		
Board of Appeal . . . . .	985 83		
			68,303 32
Inspection of Milk and Vinegar Department . . . . .			12,500 00
Inspection of Provisions Department . . . . .			3,141 81
Lamp Department . . . . .			573,110 42
Law Department . . . . .			30,891 74
Laying Out and Construction of Highways:			
Laying Out and Construction of Highways . . . . .	\$601,549 45		
Interest on Debt . . . . .	47,746 06		
			649,295 51
Library Department:			
Library Department . . . . .	\$175,440 25		
Branch Library, West End . . . . .	519 25		
Old West Church, Purchase of . . . . .	55,000 00		
			230,959 50
Market Department . . . . .			12,444 34
Mayor . . . . .			50,756 69
Mount Hope Cemetery Department . . . . .			32,990 69
Overseeing of the Poor Department . . . . .			135,634 64
Carried forward . . . . .			\$9,056,421 39

<i>Brought forward</i> . . . . .		\$9,056,421 39
<b>Park Department:</b>		
Park Department . . . . .		
Public Parks . . . . .	\$115,898 61	
Public Parks, Charlestown . . . . .	1,753,306 97	
Public Park Lands . . . . .	101,661 96	
Public Park, Wards 6 and 7 . . . . .	42 00	
Crushed Stone for Street Improvements . . . . .	199,563 44	
Playstead, North Brighton . . . . .	50,000 00	
	21,114 83	
		2,241,587 81
Phillips Street Fund, Income . . . . .		1,000 00
<b>Police Department:</b>		
Police Department . . . . .		
Police Charitable Fund, Income . . . . .	\$1,318,186 75	
	9,350 00	
		1,327,536 75
<b>Printing Department</b> . . . . .		59,694 03
<b>Public Buildings Department:</b>		
Public Buildings Department . . . . .	\$189,410 56	
Public Buildings, Schools . . . . .	213,280 68	
Engine-house, Ashmont . . . . .	6,263 38	
Engine-house No. 27, remodelling . . . . .	44 98	
Fire Department, Headquarters, etc. . . . .	33,055 71	
Ladder-house No. 1 . . . . .	18,422 10	
Library Building, Dartmouth street . . . . .	306,992 78	
Police station House 13, land and addition to, . . . . .	8,806 06	
Ward-room, Ward 2, enlargement of . . . . .	33 31	
Ward-room, Ward 25 . . . . .	1,491 09	
		777,800 65
Public Celebrations . . . . .		27,905 87
<b>Public Grounds Department:</b>		
Public Grounds Department . . . . .	\$89,676 46	
City nursery and greenhouses . . . . .	33,985 10	
Concreting walks, Common . . . . .	4,000 00	
Playground, Ward 22 . . . . .	1,000 00	
		128,661 56
<b>Public Institutions Department:</b>		
Public Institutions Department . . . . .	\$620,796 63	
New Buildings, Austin Farm, furnishing . . . . .	4,714 20	
New Buildings, Long Island . . . . .	82,015 01	
New Lunatic Hospital . . . . .	125,006 22	
Parental School for Boys . . . . .	44,474 80	
		877,006 86
Rapid Transit . . . . .		39,771 44
Registration of Voters Department . . . . .		43,477 61
Registry Department . . . . .		32,966 65
<b>School Committee:</b>		
School Committee . . . . .	\$1,884,680 62	
Gibson School Fund, Income . . . . .	856 76	
Agassiz School-house, etc . . . . .	8,981 95	
Agassiz School-house, furnishing . . . . .	7,999 13	
Austin Primary School-house . . . . .	36,991 85	
Brighton High School house, site and building . . . . .	30,508 11	
Frothingham School-house, wall . . . . .	3,076 90	
Grammar School-house, Bowdoin District, . . . . .		
site and building . . . . .	20,195 84	
Grammar School-house, Gibson District . . . . .	50,055 17	
Grammar School-house, Pierce District . . . . .	777 98	
Grammar School-house, Stoughton District, . . . . .		
building . . . . .	490 64	
Grammar School-house, Stoughton District, . . . . .		
site . . . . .	13,048 00	
Hancock School-house, Enlargement of yard, . . . . .	26,634 60	
Mechanic Arts High School . . . . .	17,857 55	
Mechanic Arts High School, furnishing . . . . .	4,244 81	
Mechanic Arts High School, tools, etc. . . . .	4,000 00	
Primary School-house, Canterbury and . . . . .		
Sharon streets . . . . .	27,025 66	
Primary School-house, Dillaway District, fur- . . . . .		
nishing . . . . .	1,887 63	
Primary School-house, Emerson District . . . . .	243 00	
Primary School-house, Eustis District, new . . . . .		
building . . . . .	26,520 95	
Primary School-house, Field's Corner, site . . . . .		
and building . . . . .	19,000 00	
Primary School house, Morton Street . . . . .	16,197 94	
Primary School-house, Moulton Street . . . . .	34,950 50	
Primary School-house, North of Broadway . . . . .	32,107 95	
Primary School-house, Oak Square, etc. . . . .	15,187 46	
Wise Building, Sanitary Improvements . . . . .	486 77	
		2,284,007 77
<i>Carried forward</i> . . . . .		\$16,897,838 39

<i>Brought forward</i> . . . . .			\$16,897,838 39
Sealing of Weights and Measures Department . . . . .			19,823 43
Sinking Funds Department . . . . .			2,373 12
Statues of Grant, Sheridan, and Farragut . . . . .			5,440 00
Street Department:			
Central Office . . . . .		20,884 29	
Bridge Division . . . . .	\$130,137 21		
Cambridge Bridges Division . . . . .	11,986 85		
Abolishment of Grade Crossings . . . . .	86,627 47		
Allston Bridge . . . . .	4,508 23		
Berwick Park, Footbridge . . . . .	5,115 17		
Boylston-street Bridge . . . . .	1,094 00		
Bridge Improvements, Wards 12 and 13 . . . . .	501 77		
Broadway Bridge . . . . .	499 37		
Charlestown Bridge . . . . .	3,752 92		
Chelsea-street Bridge, rebuilding . . . . .	11,585 08		
Rebuilding Bridges to Watertown . . . . .	10 31		
		255,818 38	
Paving Division . . . . .	\$715,604 12		
Baker St., Ward 23 . . . . .	1,350 40		
Bellflower St. . . . .	3,000 00		
Blue Hill Ave., Paving . . . . .	25,000 00		
Blakeville St. . . . .	1,500 00		
Bushnell St. . . . .	2,000 00		
Charter St. . . . .	9 20		
Commonwealth Ave. . . . .	296,173 56		
Congress and L Sts. . . . .	558 00		
Cranston St., Ward 23 . . . . .	568 75		
Dartmouth St., Boylston St. to Commonwealth Ave. . . . .	5,839 65		
Day St., Ward 22 . . . . .	7,500 00		
Fay St., Asphalting . . . . .	1,408 82		
Lewis St. Extension, Paving . . . . .	1,834 79		
Mill St. . . . .	2,000 00		
Millet St. . . . .	595 88		
Montview St., Ward 23 . . . . .	1,273 05		
Mt Vernon St., Ward 24, Grade Damages . . . . .	1,325 00		
Newport St. . . . .	1,904 12		
Oak St., Harrison Ave. to Washington St. . . . .	3,313 38		
Preston St. . . . .	5,000 00		
Second St., I St., to L St. . . . .	7,065 69		
Street Improvements, Aldermanic District No. 1 . . . . .	12,200 00		
Street Improvements, Aldermanic District No. 2 . . . . .	17,185 75		
Street Improvements, Aldermanic District No. 3 . . . . .	1,115 98		
Street Improvements, Aldermanic District No. 4 . . . . .	15,037 43		
Street Improvements, Aldermanic District No. 5 . . . . .	537 82		
Street Improvements, Aldermanic District No. 6 . . . . .	23,522 78		
Street Improvements, Aldermanic District No. 7 . . . . .	3,346 29		
Street Improvements, Aldermanic District No. 8 . . . . .	10,169 29		
Street Improvements, Aldermanic District No. 9 . . . . .	32,513 88		
Street Improvements, Aldermanic District No. 11 . . . . .	15,267 04		
Street Improvements, Aldermanic District No. 12 . . . . .	1,890 69		
Street Improvements, Wards 1 and 2 . . . . .	10,498 69		
Street Improvements, Ward 3 . . . . .	2,548 58		
Street Improvements, Ward 5 . . . . .	6,109 06		
Street Improvements, Ward 6 . . . . .	4,849 02		
Street Improvements, Ward 7 . . . . .	18,668 54		
Street Improvements, Ward 8 . . . . .	13,000 00		
Street Improvements, Wards 7 and 8 . . . . .	12,448 08		
Street Improvements, Ward 10 . . . . .	5,000 00		
Street Improvements, Wards 9 and 10 . . . . .	20,000 00		
Street Improvements, Ward 12 . . . . .	124 26		
Street Improvements, Ward 14 . . . . .	11,303 45		
Street Improvements, Ward 15 . . . . .	7,367 20		
Street Improvements, Wards 17 and 18 . . . . .	12,341 94		
Street Improvements, Wards 19 and 22 . . . . .	15,000 00		
Street Improvements, Ward 20 . . . . .	9,363 19		
Street Improvements, Ward 21 . . . . .	11,765 00		
Street Improvements, Wards 23 and 25 . . . . .	25,000 23		
<i>Carried forward</i> . . . . .	\$1,402,998 60	\$276,702 67	\$16,925,474 94

<i>Brought forward</i> . . . . .	\$1,402,998 60	\$276,702 67	\$16,925,474 94
Street Improvements, Ward 24 . . . . .	28,000 00		
Street Improvements, Ward 25 . . . . .	418 01		
Thetford St. . . . .	3,000 00		
Tunnel, Franklin St., Brighton . . . . .	12,396 56		
Utica St., Harvard St. to Kneeland St. . . . .	4,909 46		
Utica St., Kneeland St. to Beach St. . . . .	794 28		
Van Rensselaer Place, Paving . . . . .	450 00		
Whiting St., Ward 21 . . . . .	2,135 00		
		\$1,455,101 91	
Sanitary Division . . . . .		467,421 02	
Sewer Division . . . . .	\$304,129 40		
Sewer between Roslindale and West Roxbury . . . . .	280 00		
Sewer Outlets, East Boston . . . . .	1,800 00		
Sewers, Brighton . . . . .	2,486 47		
Sewers, South Boston . . . . .	1,081 80		
Sewers, Ward 23, Washington St. . . . .	591 29		
Surface Drain, Boylston St. . . . .	1,600 00		
		311,968 96	
Stony Brook Damages . . . . .		5,670 15	
Street-Cleaning Division . . . . .		301,477 44	
Watering Division . . . . .		87,169 08	
			2,905,511 23
Street, Laying-out Department :			
Street Laying-out Department . . . . .	\$36,819 44		
Bumstead lane, widening and extending . . . . .	21,640 00		
Bunker Hill Street, between Tufts and Moulton Streets . . . . .	23,172 15		
Chambers St., Ashland St. to Livingston St. . . . .	3,388 00		
Essex and Lincoln Streets . . . . .	36,025 45		
Ham's Court Extension . . . . .	7,853 00		
Harrison Avenue, between Essex and Beach Streets . . . . .	176,120 00		
Harvard Street . . . . .	810 00		
Park Street, Charlestown, Widening and Constructing . . . . .	1,188 23		
Ruth Street Extension . . . . .	5,029 74		
Talbot Avenue . . . . .	18,501 41		
Washington Street, Ward 25 . . . . .	23,379 88		
			353,877 30
Surveying Department . . . . .			38,608 72
Treasury Department . . . . .			38,876 62
Temporary Loans, 1894-95 . . . . .			6,000,000 00
Water Works :			
Cochituate Water-Works . . . . .	\$445,830 36		
Interest . . . . .	831,221 04		
Sinking-Fund. Requirements for Debt . . . . .	229,380 00		
Additional Supply of Water . . . . .	700,598 81		
Extension of Mains, etc. . . . .	258,181 94		
High Service . . . . .	48,524 89		
Excess of Income for 1894-5 paid to Sinking-Fund . . . . .	68,138 29		
		\$2,581,875 33	
Mystic Water-Works . . . . .	\$308,872 01		
Interest . . . . .	2,550 00		
		311,422 01	
			2,893,297 34
Wire Department . . . . .			14,593 89
			\$29,170,240 04
Total Payments on Mayor's Drafts . . . . .			
Amounts paid, but not drawn for by Mayor through the Auditor's office, charged to the following accounts :			
Commonwealth of Massachusetts :			
State Tax . . . . .	\$731,500 00		
National Bank Tax . . . . .	589,110 05		
Metropolitan Sewer Loan Sinking-Fund . . . . .	6,810 79		
Metropolitan Sewer Loan, Interest on . . . . .	23,203 87		
Cost of Maintenance of Metropolitan System of Drainage . . . . .	16,503 00		
Armory Loan Sinking-Fund . . . . .	10,056 27		
Armory Loan, Interest on . . . . .	18,000 00		
Abolishment of Grade Crossings Account . . . . .	4,933 07		
Abolishment of Grade Crossings Account, Interest on . . . . .	329 97		
Corporation Tax . . . . .	4,710 74		
Liquor License Revenue . . . . .	272,684 25		
		\$1,677,842 01	
Temporary Loan, 1893-94 . . . . .		100,850 00	
			\$29,170,240 04
<i>Carried forward</i> . . . . .		\$1,778,692 01	\$29,170,240 04



TREASURY DEPARTMENT.

7

<i>Brought forward</i> . . . . .		\$1,775,692 01	\$29,170,240 04
Board of Commissioners of Sinking-Fund:			
Revenue, Betterments, etc. . . . .	\$20,722 63		
Premiums on City Loans negotiated . . . . .	302,615 50		
Revenue from Laying Out and Construction of Highways . . . . .	59,823 33		
Sales of City Land . . . . .	6,500 00		
		389,660 96	
City Debt due prior to February 1, 1894 . . . . .		15,000 00	
George B. Hyde Bequest for Statue of Rufus Choate . . . . .		14,000 00	
Pay-roll Tailings, payments by Cashier to parties not paid by Paymasters . . . . .		10,964 39	
City Hospital Trust Funds . . . . .		5,000 00	
Residue Tax Sales . . . . .		4,800 53	
Mt. Hope Cemetery Trust Fund . . . . .		4,125 00	
Old Claims, City Account . . . . .		3,453 91	
Taxes refunded . . . . .		2,833 82	
Cochituate Water-rates refunded . . . . .		2,587 43	
Liquor License Revenue refunded . . . . .		1,300 00	
Gibson School Fund . . . . .		425 00	
Tax Titles, etc. . . . .		403 93	
Public Library Trust Funds . . . . .		350 00	
Park Betterments refunded . . . . .		306 00	
Dorchester South Cemetery Trust Fund . . . . .		300 00	
Evergreen Cemetery Trust Fund . . . . .		300 00	
Mystic Water-rates refunded . . . . .		127 33	
Protested Taxes refunded . . . . .		76 80	
Tuition of Non-residents refunded . . . . .		24 23	
Sewer Assessments refunded . . . . .		23 00	
			2,234,754 34
Total payments on City account . . . . .			\$31,404,994 38
<i>County of Suffolk.</i>			
Paid during the financial year 1894-95, as allowed and certified by the Auditor of the City of Boston acting as Auditor of the County of Suffolk, under authority of Sect. 24, Chap. 23, Public Statutes:			
County Buildings . . . . .			\$24,089 39
Court-House . . . . .			45,019 79
Jail . . . . .			33,314 21
Supreme Judicial Court . . . . .			24,520 11
Superior Court, Civil Sessions . . . . .			153,012 05
Superior Court, Criminal Session . . . . .			88,042 40
Probate Court and office . . . . .			30,895 44
Municipal Court, Civil Session . . . . .			15,900 63
Municipal Court, Criminal Session . . . . .			76,919 64
Municipal Court, Charlestown . . . . .			9,086 01
East Boston District Court . . . . .			7,646 97
Municipal Court, South Boston . . . . .			11,442 02
Municipal Court, Dorchester District . . . . .			5,024 57
Municipal Court, Roxbury District . . . . .			10,727 06
Municipal Court, West Roxbury District . . . . .			5,638 63
Municipal Court, Brighton District . . . . .			5,200 29
Police Court, Chelsea . . . . .			8,228 02
Insanity Cases . . . . .			14,370 28
Medical Examinations . . . . .			13,532 79
Registry of Deeds . . . . .			21,056 80
Miscellaneous Expenses . . . . .			14,711 40
Fire Marshal . . . . .			5,963 98
Suffolk County Court-House . . . . .			26,038 33
House of Correction . . . . .			94,144 27
County Loans, Redemption of . . . . .			17,000 00
County Debt Sinking-Fund Requirements . . . . .			49,676 00
Suffolk County Court-House, Furnishing . . . . .			5,567 09
Total payments allowed by Auditor . . . . .			\$316,768 17
Amounts drawn for by Auditor and approved by the Mayor:			
Suffolk County Court-House . . . . .	\$24,844 12		
Suffolk County Court-House, Furnishing . . . . .	10,654 00		
Interest on County Debt . . . . .	131,161 87		
House of Correction . . . . .	929 75		
			167,589 74
Other payments as County Treasurer:			
Collateral Inheritance Tax . . . . .		\$10,309 43	
<i>Carried forward</i> . . . . .		\$10,309 43	\$984,357 91

<i>Brought forward</i> . . . . .		\$10,309 43	\$984,357 91
County Fines to Complainant . . . . .		634 90	
Pay-roll Tailings, Payments by Cashier to parties not paid by Paymaster . . . . .		428 34	
Ball refunded . . . . .		150 00	
Bounty for destruction of Seals . . . . .		21 00	
Old Claims . . . . .		3 00	
			11,546 67
Total Payments on Account of the County of Suffolk . . . . .			<u>\$995,904 58</u>
RECAPITULATION.			
Cash Balance, February 1, 1894 . . . . .			\$2,973,683 57
Receipts from February 1, 1894, to January 31, 1895, both inclusive:			
Account of City of Boston:			
City Collector . . . . .	\$17,860,089 94		
Temporary Loans . . . . .	6,000,000 00		
City Loans . . . . .	5,909,300 00		
Cochituate Water Loans . . . . .	706,000 00		
Other Sources . . . . .	2,094,328 44		
		\$32,569,718 38	
Account of County of Suffolk:			
City Collector . . . . .	\$213,000 73		
County Loans . . . . .	40,000 00		
Other Sources . . . . .	10,794 01		
		263,884 74	
			32,833,603 12
Payments from February 1, 1894, to January 31, 1895, both inclusive:			
Account of City of Boston:			
General Drafts . . . . .	\$13,128,980 76		
Pay-roll Drafts . . . . .	8,386,317 87		
Special Drafts . . . . .	7,654,941 41		
Amounts not drawn for by Mayor through Auditor's office . . . . .	2,234,754 34		
		\$31,404,994 38	
Account of County of Suffolk:			
General Payments . . . . .	\$816,768 17		
Special Drafts . . . . .	167,589 74		
Other Amounts . . . . .	11,546 67		
		995,904 58	
			32,400,898 96
Cash Balance, January 31, 1895, carried forward to Financial Year 1895-6 . . . . .			<u>\$3,406,387 73</u>

## TREASURY DEPARTMENT.

9

To Special Appropriations, money derived from Loans carried forward to financial year 1895-6 . . . . .	\$2,524,822 32				
" Appropriations and Excess of Income carried forward to financial year, 1895-6 . . . . .	304,443 27				
" Amounts held to the credit of the following accounts:					
Franklin Trades School Fund . . . . .	\$33,417 22				
Protested Taxes, General Appropriation Account . . . . .	107,189 61				
Protested Laying Out and Construction of Highway Assessments . . . . .	34,834 13				
Board of Commissioners of S. Funds, Revenue, Betterments, etc. . . . .	28,847 02				
Revenue, L. O. & C. Highways . . . . .	13,783 12				
Park Betterments Withheld . . . . .	17,354 25				
Old Claims, City Account . . . . .	7,407 91				
Pay-roll Tailings, City Account . . . . .	7,262 67				
Duplicate and Overpayments to City Collector . . . . .	6,268 45				
Residue Tax Sales, etc . . . . .	5,076 81				
City Debt due prior to Feb. 1, 1895 . . . . .	4,000 00				
Temporary Loan, 1893-4, unpaid . . . . .	2,000 00				
Protested Betterments, Parkway, West Roxbury . . . . .	1,420 48				
Bay State Gas Co. Guarantee Fund . . . . .	1,328 00				
Protested Betterments, Parkway, Old Harbor . . . . .	984 82				
Pay-roll Tailings, County Account . . . . .	875 64				
Protested Betterments, Street Laying Out . . . . .	728 50				
Mount Hope Cemetery Trust Fund . . . . .	632 32				
Tax Titles, etc. . . . .	597 31				
Protested Betterments, Muddy River Parkway . . . . .	573 10				
Naturalization Fees, Payable to the Social Law Library . . . . .	470 50				
Old Claims, County Account . . . . .	274 60				
Windrop Bequest, Latin School . . . . .	250 00				
Franklin Park Betterments, repayment of . . . . .	238 22				
Protested Betterments, Parkway, Dorchester . . . . .	103 58				
Evergreen Cemetery Trust Fund . . . . .	100 00				
Dorchester South Cemetery Trust Fund . . . . .	100 00				
Public Library Trust Fund . . . . .	3 09				
Gibson School Fund . . . . .	79				
	577,122 14				
		\$3,406,387 73			
		\$3,406,387 73			
By Cash deposited in National Banks and office:					
Atlas National Bank . . . . .	\$241,433 55				
Bunker Hill National Bank . . . . .	75,242 66				
Central National Bank . . . . .	194,483 22				
First Ward National Bank . . . . .	25,082 00				
Globe National Bank . . . . .	205,615 38				
Howard " . . . . .	231,521 16				
Market " . . . . .	177,258 88				
Monument " . . . . .	25,080 89				
National Bank of Redemption . . . . .	215,465 36				
" Bank of the Republic . . . . .	344,626 77				
" Revere Bank . . . . .	433,856 38				
" Security Bank . . . . .	9,801 75				
National Security Bank } . . . . .	84,619 52				
Pay-roll Tailings Account } . . . . .	75,242 63				
" Rockland Bank . . . . .	50,161 24				
People's National Bank . . . . .	105,657 40				
Second National Bank, General Account . . . . .	176,251 50				
State National Bank . . . . .	334,417 22				
Second National Bank, Special Account . . . . .					
	\$3,005,817 51				
Cash and cash vouchers in office, including advances made on Drafts of February 1, 1895, duly certified by the City Auditor, and approved by the Mayor and County Auditor, chargeable to the appropriations for the financial year 1895-96. . . . .	400,570 22				
		\$3,406,387 73			
		\$3,406,387 73			



## APPENDIX.

The City Treasurer had in his possession January 31, 1895, as treasurer and as custodian, the following trust funds, viz. :

### BABCOCK MUSIC FUND.

By the will of ARCHIBALD BABCOCK, who died August 10, 1862, the sum of \$3,000 was bequeathed to the City of Charlestown, and accepted by the City Council of that city November, 1862, upon the conditions and for the purposes expressed by him in his last will and testament :

“ The income to be annually expended in procuring the services of musicians, or of a band or bands of musicians, to perform in public in the City of Charlestown, within its present limits, free to all its citizens, one-half of said income to be annually expended in procuring musicians, or band or bands of musicians, to play on or near the small common at the ‘ Neck,’ so called, at the corner of Main and Cambridge streets, preference to be given to citizens of Charlestown, due regard being had as to ability and quality.”

Deposits in the Charlestown Five-Cents Savings Bank . . .	<u>\$3,000 00</u>
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### CITY HOSPITAL FUNDS.

**BALL FUND.**— Bequest of JONAS BALL, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1919, interest at four per cent. per annum . . .	<u>\$1,000 00</u>
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**CHEEVER FUND.**— Donation by Dr. DAVID W. CHEEVER, accepted by the Trustees March 20, 1889, the income of which is to be expended as per following extract from his letter :

“ To purchase and present to each house surgeon when his term of service expires a small case (pocket case) of surgical instruments as a gift from me.”

Invested in one certificate of indebtedness of City of Boston, due January 1, 1919, interest at four per cent. per annum . . .	<u>\$2,000 00</u>
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**GOODNOW FUND.**— A bequest of ELISHA GOODNOW, of South Boston, who died in 1851. By his will the city came into possession of certain real estate on Cross street and Third street, for the purpose of establishing a hospital for the sick, one-half of said funds to be applied for the establishment and maintenance of free beds, which should always be at the disposal and under the control of the officers of the government of said hospital for the time being. The proceeds from the sale of these estates and accumulated interest were invested in certificates of indebtedness of City of Boston, with rates of interest as follows :

One due October 1, 1897, five per cent. per annum . . .	\$4,000 00
One due April 1, 1906, six per cent. per annum . . .	1,000 00
One due April 1, 1913, four per cent. per annum . . .	16,500 00
One due April 1, 1915, four per cent. per annum . . .	4,500 00
	<u>\$26,000 00</u>

**GOODNOW LIBRARY FUND.** — Donation of **GEORGE GOODNOW**, the interest of which is to be expended annually by the Board of Trustees in replenishing the library of the hospital with books and pamphlets suitable for the reading of the patients during convalescence.

Invested in one certificate of indebtedness of City of Boston, due  
April 1, 1913, interest at four per cent. per annum . . . . . \$1,000 00

**HEMMENWAY FUND.** — Donation of **Mrs. ELLEN L. HEMMENWAY**, for the support of a free bed in the City Hospital in memory of her late husband, **Charles P. Hemmenway**.

Invested in one certificate of indebtedness of City of Boston, due  
October 1, 1923, interest at four per cent. per annum . . . . . \$5,000 00

**NICHOLS FUND.** — Bequest of **LAWRENCE NICHOLS**, who died in September, 1862, of \$1,000, less internal-revenue tax, "towards the establishment and endowment of a City Hospital," and from the executor of the will as a residuary legatee, \$530.50. These amounts and accumulated interest were invested in

One certificate of indebtedness of City of Boston, due July 1, 1907, interest at six per cent. per annum . . . . .	\$1,000 00
One certificate of indebtedness of City of Boston, due April 1, 1913, interest at four per cent. per annum . . . . .	1,000 00
	<u>\$2,000 00</u>

**NORCROSS FUND.** — Donation of **OTIS NORCROSS**, formerly Mayor of the City, the interest of which is to furnish clothing to indigent patients when leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due  
October 1, 1897, interest at five per cent. per annum . . . . . \$2,000 00

**PERKINS FUND.** — Bequest of **MARY G. PERKINS**, the income of which is to be expended for Medical Library and artificial limbs and surgical appliances, for the use of patients leaving the hospital.

Invested in one certificate of indebtedness of City of Boston, due  
January 1, 1919, interest at four per cent. per annum . . . . . \$7,500 00

**SHAW FUND.** — Bequest of **MARY LOUISA SHAW**, the income of which is to be expended by the Trustees for the purchase of flowers and fruit for the use and comfort of the patients in the hospital.

Invested in one Certificate of indebtedness of City of Boston, due  
April 1, 1905, interest at six per cent. per annum . . . . . \$2,000 00

Total City Hospital Trust Funds . . . . . \$48,500 00

#### DORCHESTER SOUTH CEMETERY TRUST FUND.

Amount paid by the owners of lots in Dorchester South Cemetery, the income of which is to be expended for the perpetual care of said lots.

Invested in one certificate of indebtedness of City of Boston, interest at four per cent. per annum . . . . .	\$300 00
Cash in City Treasury . . . . .	100 00
	<u>\$400 00</u>

#### EVERGREEN CEMETERY FUND.

Amount paid by the owners of lots in Evergreen Cemetery, the income of which is to be expended for the perpetual care of lots. Invested in certificates of indebtedness of the City of Boston, maturing and bearing interest as follows:

One due October 1, 1900, five per cent. per annum . . . . .	\$100 00
One due April 1, 1902, four per cent. per annum . . . . .	800 00
One due April 1, 1913, four per cent. per annum . . . . .	200 00
One due October 1, 1914, four per cent. per annum . . . . .	500 00
One due October 1, 1917, four per cent. per annum . . . . .	500 00
One due November 15, 1919, three and one-half per cent. per annum . . . . .	200 00
One due October 1, 1923, four per cent. per annum . . . . .	800 00
One due October 1, 1923, four per cent. per annum . . . . .	100 00
	<hr/>
	\$3,200 00
Cash in City Treasury . . . . .	100 00
	<hr/>
	\$3,300 00
	<hr/>

## FOSS SEVENTEENTH OF JUNE AND FLAG FUNDS.

The City Council of the City of Charlestown, in August, 1866, accepted the bequests made in the will of JACOB FOSS who died in Charlestown, June 2, 1866, the income of which is to be expended for the following purposes:

Celebrating the anniversary of the Battle of Bunker Hill, for either or all of the following purposes, viz.: "*Ringing the bells, firing salutes, music, or decorating the streets.*"

Invested in one certificate of indebtedness, City of Boston, due October 1, 1897, interest at six per cent. per annum . . . . . \$2,000 00

Purchasing "United States flags for the use of the late City of Charlestown within its present limits; the flags so purchased to be used on all proper occasions, so that not more than two years' purchases shall be on hand at any time."

Invested in one certificate of indebtedness, City of Boston, due October 1, 1897, interest at six per cent. per annum . . . . . \$2,000 00

## FRANKLIN TRADES SCHOOL FUND

The following is a copy of an order passed at a meeting of the Managers of the Franklin Fund, December 28, 1893:

*Ordered*, That the sum set apart from the general Franklin Fund as due to the City of Boston, on July 1, 1893, viz.: \$322,490.20 with its accumulations, be paid by the Treasurer of the Fund in January next to the City Treasurer, to constitute a special fund for the purchase of land, and for the erection thereon of the Franklin Trades School, and the equipment of the same; said expenditures to be made under the direction of such department as may, for the time being, be charged by the Statutes and Ordinances with the duty of erecting and furnishing public buildings in the City of Boston. The location of and plans for said school to be approved by the Board of Managers of said fund.

Attest: JOHN P. BRAWLEY, *Acting Clerk.*

Received January 17, 1894, according to above order, from S. F. McCleary, Treasurer of the Franklin Fund, as follows:

City's portion of the fund to January 17, 1894 . . . . .	\$328,940 00
Interest to January 17, 1894 . . . . .	360 48
	<hr/>
	\$329,300 48
Interest on deposit to January 1, 1895 . . . . .	6,402 82
	<hr/>
<i>Carried forward</i> . . . . .	\$335,703 30

<i>Brought forward</i> . . . . .		\$335,703 30
Mayor's Special Draft for expenses of Managers visiting trades schools in other cities . . . . .	\$1,800 00	
Less not expended, returned . . . . .	514 42	
	<u>\$1,285 58</u>	
Paid on Mayor's General Draft, small expense . . . . .	50	
		<u>1,286 08</u>
Amount of fund, January 31, 1895, deposited in Second National Bank . . . . .		<u>\$334,417 22</u>

#### GEORGE B. HYDE FUND.

Amount received from executor of estate of GEORGE B. HYDE, being a legacy from said GEORGE B. HYDE, for the purpose of erecting a statue of Rufus Choate and providing a suitable pedestal and foundation for the same. The amount of legacy, fourteen thousand dollars, with the income thereof by order of the City Council to be invested, and on order of the Mayor to be applied to the purchase and erection of said statue.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

Four due January 1, 1925, four per cent. per annum, \$2,000 each,	\$8,000 00
Six due January 1, 1925, four per cent. per annum, \$1,000 each,	6,000 00
	<u>\$14,000 00</u>

#### MOUNT HOPE CEMETERY FUND.

Amounts paid by owners of lots in Mount Hope Cemetery, the income from which is to be expended by the trustees for the perpetual care of lots. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due April	1, 1899, five per cent. per annum . . . . .	\$2,000 00
One due October	1, 1900, five per cent. per annum . . . . .	1,500 00
One due April	1, 1902, four per cent. per annum . . . . .	2,500 00
One due October	1, 1902, four per cent. per annum . . . . .	2,000 00
One due January	1, 1903, four per cent. per annum . . . . .	500 00
One due October	1, 1903, four per cent. per annum . . . . .	1,000 00
One due January	1, 1905, six per cent. per annum . . . . .	1,000 00
One due April	1, 1906, six per cent. per annum . . . . .	1,000 00
One due October	1, 1907, five per cent. per annum . . . . .	1,000 00
One due October	1, 1911, four per cent. per annum . . . . .	1,000 00
One due April	1, 1914, four per cent. per annum . . . . .	1,000 00
One due October	1, 1914, four per cent. per annum . . . . .	1,500 00
One due October	1, 1915, four per cent. per annum . . . . .	3,000 00
One due October	1, 1916, four per cent. per annum . . . . .	3,000 00
One due April	1, 1917, four per cent. per annum . . . . .	1,000 00
One due October	1, 1917, four per cent. per annum . . . . .	1,000 00
One due July	1, 1918, four per cent. per annum . . . . .	1,500 00
One due October	1, 1918, four per cent. per annum . . . . .	1,000 00
One due April	1, 1919, four per cent. per annum . . . . .	1,000 00
One due July	1, 1919, four per cent. per annum . . . . .	1,000 00
One due November	15, 1919, three and one-half per cent. per annum . . . . .	1,400 00
One due October	1, 1920, four per cent. per annum . . . . .	3,000 00
One due October	1, 1920, four per cent. per annum . . . . .	1,000 00
One due October	1, 1920, four per cent. per annum . . . . .	2,000 00
One due October	1, 1922, four per cent. per annum . . . . .	1,000 00
One due October	1, 1923, four per cent. per annum . . . . .	2,000 00
One due October	1, 1923, four per cent. per annum . . . . .	1,700 00
		<u>\$40,600 00</u>

*Carried forward* . . . . . \$40,600 00



<i>Brought forward</i>			\$40,600 00
One due October	1, 1923, four per cent. per annum		2,900 00
One due October	1, 1924, four per cent. per annum		1,225 00
			<hr/>
			\$44,725 00
Cash in City Treasury			632 32
			<hr/>
			\$45,357 32

## PHILLIPS STREET FUND.

This is a bequest of JONATHAN PHILLIPS, who died in July, 1860, who gave by his will to the city of Boston \$20,000 "as a trust-fund, the income of which will be annually expended to adorn and embellish the streets and public places in said city," which has been invested in

One certificate of indebtedness of city of Boston, due January			
1, 1906, interest at six per cent. per annum, payable to the			
Mayor of the city for the time being, for			\$20,000 00
			<hr/>

## POLICE CHARITABLE FUND.

By orders of the City Council, approved July 7, 1890, the principal and income of the fund known as the Police Charitable Fund, consisting of moneys which had been earned by police officers for fees as witnesses, in Municipal and District Courts of the City of Boston, was placed in charge of the City Treasurer as custodian, and the Board of Police were authorized to expend the income thereof, and the amount appropriated for pensions of police, for the payment of pensions of members of the police force who have been placed on the pension roll, and with the approval of the Mayor, for the relief of persons who have received an honorable discharge from the police force by reason of sickness, age, or other disability, and who are, in consequence thereof, in necessitous circumstances; and also for the relief of the widows and orphans, in necessitous circumstances, of police officers who have died while in the service of the city, or from the effects of injuries received in the execution of their duty.

Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October	1, 1897, six per cent. per annum		\$3,000 00
One due October	1, 1897, five per cent. per annum		4,000 00
Two due April	1, 1899, five per cent. per annum		4,500 00
Two due October	1, 1900, five per cent. per annum		7,400 00
One due October	1, 1900, four per cent. per annum		7,000 00
One due January	1, 1901, four per cent. per annum		3,000 00
One due October	1, 1901, four per cent. per annum		5,000 00
One due April	1, 1902, four per cent. per annum		7,000 00
One due April	1, 1902, four per cent. per annum		3,000 00
One due October	1, 1902, four per cent. per annum		6,000 00
One due January	1, 1903, four per cent. per annum		5,000 00
Two due October	1, 1903, four per cent. per annum		7,000 00
Two due April	1, 1905, six per cent. per annum		16,000 00
Two due April	1, 1906, six per cent. per annum		4,750 00
One due October	1, 1906, six per cent. per annum		4,000 00
One due April	1, 1907, six per cent. per annum		4,000 00
One due April	1, 1908, five per cent. per annum		3,000 00
One due October	1, 1911, four per cent. per annum		5,000 00
One due July	1, 1912, four per cent. per annum		4,000 00
One due October	1, 1912, four per cent. per annum		5,000 00
One due April	1, 1914, four per cent. per annum		5,000 00
One due October	1, 1914, four per cent. per annum		6,000 00
Two due April	1, 1915, four per cent. per annum		6,000 00
One due October	1, 1915, four per cent. per annum		6,000 00

<i>Carried forward</i>			\$130,650 00
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<i>Brought forward</i>			\$130,650 00
One due April	1, 1916, four per cent. per annum		5,000 00
One due October	1, 1916, four per cent. per annum		6,300 00
One due April	1, 1917, four per cent. per annum		5,000 00
One due October	1, 1917, four per cent. per annum		7,500 00
Two due January	1, 1918, four per cent. per annum		5,000 00
One due April	1, 1918, four per cent. per annum		300 00
One due July	1, 1918, four per cent. per annum		3,500 00
One due October	1, 1918, four per cent. per annum		3,500 00
One due January	1, 1919, four per cent. per annum		3,000 00
One due April	1, 1919, four per cent. per annum		3,000 00
One due July	1, 1919, four per cent. per annum		1,200 00
One due November	15, 1919, three and one-half per cent. per annum	12,000 00	
One due January	1, 1920, four per cent. per annum	3,000 00	
One due January	6, 1920, three and one-half per cent. per annum	2,000 00	
One due July	1, 1920, four per cent. per annum	4,600 00	
One due October	1, 1920, four per cent. per annum	1,000 00	
One due October	1, 1920, four per cent. per annum	1,500 00	
One due October	1, 1921, four per cent. per annum	3,500 00	
One due October	1, 1921, four per cent. per annum	1,000 00	
One due October	1, 1923, four per cent. per annum	4,000 00	
One due October	1, 1923, four per cent. per annum	1,000 00	
			<u>\$207,550 00</u>

#### POOR WIDOWS' FUND.

This is a donation made by Mrs. JOANNA BROOKER and others, to the Selectmen of Boston for the time being.

The income from this fund is paid over in equal proportions to the Aldermen of this city, and they distribute the same, at their discretion, for the relief of POOR WIDOWS AND SICK PEOPLE.

Invested in

One certificate of indebtedness of City of Boston, due October 1, 1897, interest at five per cent. per annum	\$1,500 00
On certificate of indebtedness of City of Boston, due April 1, 1905, interest at six per cent. per annum	1,700 00
	<u>\$3,200 00</u>

#### PUBLIC LIBRARY FUNDS.

ABBOTT LAWRENCE FUND. — This is the bequest of ABBOTT LAWRENCE, of Boston.

Invested in one certificate of indebtedness of City of Boston, due July 1, 1905, interest at six per cent. per annum . . . \$10,000 00

The interest on this fund is to be exclusively appropriated for the purchase of books for the said library, having a permanent value.

BATES FUND. — This is a donation made by JOSHUA BATES, of London, in March, 1853.

Invested in one certificate of indebtedness of the City of Boston, due April 1, 1913, interest at four per cent. per annum . . . \$50,000 00

“The income only of this fund is to be used, each and every year, expended in the purchase of such books of permanent value and authority as may be found most needful and most useful.”

**BIGELOW FUND.** — This is a donation made by JOHN P. BIGELOW, in August, 1850, when mayor of the city.

The income from this fund is to be appropriated to the purchase of books for the increase of the library.

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1913, interest at four per cent. per annum . . . \$1,000 00

**BOWDITCH FUND.** — This is the bequest of J. INGERSOLL BOWDITCH, of Boston, of \$10,000, to the Boston Public Library, the income of which is to be expended for the purchase of books of permanent value and authority in Mathematics and Astronomy.

Invested in one certificate of indebtedness of City of Boston,  
due January 1, 1920, interest at three and one-half per cent.  
per annum . . . . . \$10,000 00

**EDWARD LAWRENCE FUND.** — This is the bequest of EDWARD LAWRENCE, of Charlestown. The following clause from his will explains its purpose:

“To hold and apply the income, and so much of the principal as they may choose, to the purchase of special books of reference, to be kept and used only at the Charlestown Branch of said Public Library.”

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1916, interest at four per cent. per annum. . . . . \$500 00

**FRANKLIN CLUB FUND.** — This is a donation made in June, 1863, by a literary association of young men in Boston, who, at the dissolution of the association, authorized its trustees, Thomas Minns, John J. French, and J. Franklin Reed, to dispose of the funds on hand in such a manner as to them should seem judicious. They elected to bestow it on the Public Library, attaching to it the following conditions: “In trust that the income, but the income only, shall, year by year, be expended in the purchase of books of permanent value for the use of the free Public Library of the city, and, as far as practicable, of such a character as to be of special interest to young men.” The Trustees expressed a preference for books relative to Government and Political Economy.

Invested in one certificate of indebtedness of City of Boston,  
due January 1, 1914, interest at four per cent. per annum . . . \$1,000 00

**GREEN FUND.** — Donations of Dr. SAMUEL A. GREEN, formerly Mayor of the city, of \$2,000, the income of which is to be expended for the purchase of books relating to American history. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1900, five per cent. per annum . . . . .	\$500 00
One due April 1, 1908, five per cent. per annum . . . . .	1,000 00
One due April 1, 1914, four per cent. per annum . . . . .	500 00
	<u>\$2,000 00</u>

**CHARLOTTE HARRIS FUND.** — Bequest of CHARLOTTE HARRIS, of Boston, the object of which is stated in the following extract from her will: “I give to the Charlestown Public Library \$10,000, to be invested on interest, which interest is to be applied to the purchase of books published before 1850. I also give to said Public Library my own private library, and the portrait of my grandfather, Richard Devens.” Bequests accepted by City Council, July 31, 1877.

Invested in one certificate of indebtedness of City of Boston,  
due October 1, 1897, interest at six per cent. per annum . . . \$10,000 00

**THOMAS B. HARRIS FUND.** — Bequest of THOMAS B. HARRIS, of Charlestown, for the benefit of the Charlestown Public Library.

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1914, interest at four per cent. per annum . . . \$1,000 00

**PHILLIPS FUND.** — This is a donation made by JONATHAN PHILLIPS, of Boston, in April, 1853.

Invested in one certificate of indebtedness of City of Boston, due  
April 1, 1913, interest at four per cent. per annum . . . . \$10,000 00

The interest on this fund is to be used exclusively for the purchase of books for said library.

Also a bequest by the same gentleman, in his will, dated 28th of September, 1849.

Invested in one certificate of indebtedness of City of Boston, due  
January 1, 1906, interest at six per cent. per annum . . . . \$20,000 00

The interest on which is to be annually devoted to the maintenance of a Free Public Library.

Mr. Phillips died on the 29th of July, 1860, at the age of 82; the latter sum was realized by the city in April, 1861.

**PIERCE FUND.** — This is a donation made by HENRY L. PIERCE, formerly Mayor of the city, November 29, 1873, and accepted by the City Council December 27, 1873.

Invested in one certificate of indebtedness of City of Boston, due  
January 1, 1924, interest at four per cent. per annum . . . . \$5,000 00

**SCHOLFIELD FUND.** — Bequest of ARTHUR SCHOLFIELD, of \$50,000, who died in New York, January 17, 1883, who provided that upon the death of certain heirs the interest was to be used for the purchase of books of permanent value. His last heir, Joseph Scholfield, died November 18, 1889, and by his will bequeathed to the City of Boston the sum of \$11,766.67, which represents the income of said fund received by him up to the time of his death, to be added to the fund bequeathed by his brother, and which, with the interest accumulated thereon, was invested in a certificate of indebtedness of the City of Boston for \$11,800.

The fund is now invested in certificates of indebtedness of the City of Boston, bearing interest and maturing as follows:

One due October 1, 1913, four per cent. per annum . . . .	\$50,000 00
One due July 1, 1920, four per cent. per annum . . . .	11,800 00
	<u>\$61,800 00</u>

**SOUTH BOSTON BRANCH LIBRARY FUND.** — Donation of a citizen of South Boston, the income of which is to be expended for the benefit of the South Boston Branch Library.

Invested in one certificate of indebtedness of City of Boston, due  
July 1, 1919, interest at four per cent. per annum . . . . \$100 00

**TICKNOR FUND.** — By the will of GEORGE TICKNOR, of Boston, he bequeathed to the City of Boston all his books and manuscripts in the Spanish and Portuguese languages, about four thousand volumes, and also the sum of four thousand dollars. The city is required to spend not less than one thousand dollars in every five years during the twenty-five years next succeeding (*i.e.*, the income of four thousand dollars, at the rate of five per cent. per annum), in the purchase of books in the Spanish and Portuguese languages and literature. At the end of twenty-five years the income of the said sum is to be expended annually in the purchase of books of permanent value, either in the Spanish or Portuguese languages, or in such other languages as may be deemed expedient by those having charge of the library. The books bequeathed or purchased are always to be freely accessible for reference or study, but are not to be loaned for use outside of the library building.

Invested in one certificate of indebtedness of City of Boston,  
due October 1, 1920, interest at four per cent. per annum . . . . \$4,000 00

**TOWNSEND FUND.**—This is a donation from William Minot and William Minot, Jr., executors of the will of MARY P. TOWNSEND, of Boston, at whose disposal she left a certain portion of her estate in trust, for such charitable and public institutions as they might think meritorious. Said executors accordingly selected the Public Library of the City of Boston as one of such institutions, and attached the following conditions to the legacy: "The income only shall, in each and every year, be expended in the purchase of books for the use of the library; each of which books shall have been published in some one edition at least five years at the time it may be so purchased."

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1899, interest at five per cent. per annum . . . \$4,000 00

**TREADWELL FUND.**—By the will of DANIEL TREADWELL, of Cambridge, late Rumford Professor in Harvard College, who died February 27, 1872, he left the residue of his estate, after payment of debts, legacies, etc., in trust to his executors, to hold during the life of his wife for her benefit, and after her decease to divide the residue then remaining in the hands of the trustees as therein provided, and convey one-fifth part thereof to the Trustees of the Public Library in the City of Boston. The income of which is to be expended by said trustees in such manner as they may deem for the best interests of the Library.

Invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows:

One due April 1, 1916, four per cent. per annum . . . . .	\$2,000 00
One due October 1, 1917, four per cent. per annum . . . . .	1,700 00
One due November 15, 1919, three and one-half per cent. per annum, 1,400 00	
One due October 1, 1921, four per cent. per annum . . . . .	1,000 00
One due October 1, 1923, four per cent. per annum . . . . .	350 00

\$6,450 00

Also —

16 shares Boston & Albany Railroad Corporation . . . . .	2,785 00
6 shares Boston & Providence Railroad Corporation . . . . .	1,077 00
12 shares Fitchburg Railroad Corporation preferred stock . . . . .	1,062 00
1 share Vermont & Massachusetts Railroad Corporation . . . . .	133 00
18 shares Cambridge Lyceum stock . . . . .	540 00

\$12,047 00

Cash in City Treasury . . . . .	3 09
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\$12,050 09

Total Public Library Trust Funds . . . . .	\$202,450 09
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#### SCHOOL FUNDS.

**BOWDOIN, DORCHESTER, SCHOOL FUND.**—Proceeds from the sale of a woodland estate in Milton, conveyed by Gov. JAMES BOWDOIN to the inhabitants of the Town of Dorchester, invested in

One certificate of indebtedness of City of Boston, due January 1, 1920, interest at 4 per cent. per annum . . . . .	\$4,500 00
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Income to be expended by the School Committee for the benefit of the Public Schools in that part of Boston called Dorchester.

**COMINS SCHOOL LIBRARY FUND.**—Donation of LINUS B. COMINS, the interest of which is to be expended upon the library of the "Comins Grammar School for Girls," and to be held in trust by the Chairman of the School Committee, the Mayor of the City, and the President of the Common Council, who are constituted, *ex officio*, Trustees of the Fund.

Invested in one certificate of indebtedness of City of Boston, due April 1, 1899, interest at five per cent. per annum . . . . .	\$500 00
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**EASTBURN SCHOOL FUND.**— This is a bequest from JOHN H. EASTBURN, and received from the executors of his estate in April, 1886.

The following clause from his will explains the purpose of the bequest :

“The interest to be applied to aid and assist deserving and poor scholars to finish their education, by pecuniary assistance, in the Normal School for Females.”

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1916, interest at four per cent. per annum . . . \$10,000 00

**FRANKLIN SCHOOL MEDAL FUND.**— This is a legacy by Dr. BENJAMIN FRANKLIN, in 1791, the interest on which, since 1792, has been invested in silver medals, which are now distributed at the annual examinations, among the most deserving boys in the ENGLISH HIGH AND LATIN SCHOOLS.

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1900, interest at five per cent. per annum . . . \$1,000 00

Income unexpended, cash in the Globe National Bank . . . \$241 69

**GIBSON SCHOOL FUND.**— This is the bequest of CHRISTOPHER GIBSON, who provided by will, about 1674, that after the payment of legacies and debts, his executor should “purchase some estate for the promotion of learning in the town of Dorchester.” The surviving executor, Daniel Preston, purchased for £104 twenty-six acres of land at Smelt Brook, and deeded the same, February 6, 1693, to Enoch Wiswell, Samuel Robinson, John Tolman, James Bird, and Increase Sumner, as trustees, and to their successors and assigns, for the “use and purpose, benefit and behoof, of the schools of learning in the town of Dorchester.” Sales have been made from time to time, and a part still remains unsold. The proceeds have been invested in certificates of indebtedness of City of Boston, bearing interest and maturing as follows :

One due January 1, 1901, four per cent. per annum . . .	\$3,000 00
One due January 1, 1901, four per cent. per annum . . .	2,000 00
One due January 1, 1903, four per cent. per annum . . .	1,000 00
One due October 1, 1905, six per cent. per annum . . .	1,000 00
One due April 1, 1908, five per cent. per annum . . .	5,000 00
One due April 1, 1908, five per cent. per annum . . .	1,000 00
One due April 1, 1915, four per cent. per annum . . .	2,500 00
Two due October 1, 1920, four per cent. per annum . . .	3,000 00
One due October 1, 1923, four per cent. per annum . . .	425 00
Cash in City Treasury . . . . .	79
	<hr/>
	\$18,925 79

**LATIN SCHOOL PRIZE FUND.**— This is a donation from a number of gentlemen in Boston, in the year 1819, the interest of which is invested in prizes, which are annually distributed among the most deserving scholars in the PUBLIC LATIN SCHOOL.

Invested in one certificate of indebtedness of City of Boston,  
due January 1, 1906, interest at six per cent. per annum . . . \$1,050 00

**LAWRENCE HIGH SCHOOL FUND.**— This is a donation made by ABBOTT LAWRENCE of Boston, in the year 1844, the interest of which is payable annually to the Sub-Committee of the ENGLISH HIGH SCHOOL, for the time being; and is by them distributed in prizes for the best performances in various branches of literature and science in that institution; and in such other rewards to the scholars in the school as that committee shall recommend.

Invested in one certificate of indebtedness of City of Boston,  
due January 1, 1906, interest at six per cent. per annum . . . \$2,000 00

**LAWRENCE LATIN SCHOOL FUND.**— This is a donation made by ABBOTT LAWRENCE, in the year 1845, the interest of which is payable annually to the “Chairman of the Sub-Committee of the PUBLIC LATIN SCHOOL,

for the time being," and is distributed in prizes for the general encouragement of the scholars in such a way as the sub-committee of that school shall consider advisable.

Invested in one certificate of indebtedness of City of Boston,  
due January 1, 1906, interest at six per cent. per annum . . . \$2,000 00

MILMORE BRIMMER SCHOOL FUND. — Bequest of MARTIN MILMORE, the income from which to aid in clothing the poor children of the Brimmer School.

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1914, interest at four per cent. per annum . . . \$500 00

NORCROSS SCHOOL LIBRARY FUND. — Donation and bequest of OTIS NORCROSS, formerly Mayor of Boston. The income from this fund is to be paid to the master of the "Norcross School," to be expended in books for a library of the first class of said school. Invested in certificates of indebtedness of City of Boston, maturing and bearing interest as follows:

One due October 1, 1897, five per cent. per annum . . .	\$500 00
One due October 1, 1902, four per cent. per annum . . .	500 00
	<u>\$1,000 00</u>

SMITH SCHOOL FUND. — This was a legacy of ABIEL SMITH, of Boston, who died in 1817, to the SELECTMEN OF THE TOWN OF BOSTON, for the time being.

The income from this fund is appropriated towards the expense of "the Free Instruction of COLORED CHILDREN in Reading, Writing, and Arithmetic." Invested in certificates of indebtedness of City of Boston, bearing interest, and maturing as follows:

One due April 1, 1900, five per cent. per annum . . .	\$4,000 00
One due July 1, 1919, four per cent. per annum . . .	200 00
One due April 1, 1915, four per cent. per annum . . .	4,400 00
	<u>\$8,600 00</u>

STOUGHTON SCHOOL FUND. — This is a bequest of Gov. WILLIAM STOUGHTON, who died at Dorchester, July 7, 1701, and gave to the schools of Dorchester one hundred and fifty pounds, "for the advancement of a salary of a school-master."

The terms of this bequest were complied with by the authorities of the Town of Dorchester. This fund was received from the Treasurer of the Town of Dorchester, by the terms of the act of annexation of said town to Boston, and stands as follows:

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1915, interest at four per cent. per annum . . . \$5,300 00

The income of the fund is paid to the City Treasurer, and credited annually to salaries of school instructors.

WEBB FRANKLIN SCHOOL FUND. — This is a legacy made in the year 1828 by RUFUS WEBB, formerly writing master in one of the public schools.

The income from this fund is applied to the purchase of books, etc., for the use of indigent scholars in the writing department of the Franklin School.

Invested in one certificate of indebtedness of City of Boston,  
due April 1, 1905, interest at six per cent. per annum . . . \$1,000 00

ROBERT C. WINTHROP FUND. — Bequest of ROBERT C. WINTHROP, given in and by his will to the library of the Boston Public Latin School, to be disposed of according to vote of the School Committee of the City of Boston.

Cash in City Treasury . . . . . \$250 00

Total School Funds in the custody of the City Treasurer . . . \$56,625 79

## RECAPITULATION OF TRUST FUNDS IN CUSTODY OF CITY TREASURER.

Babcock Music . . . . .	\$3,000 00
City Hospital . . . . .	48,500 00
Dorchester South Cemetery Trust Fund . . . . .	400 00
Evergreen Cemetery . . . . .	3,200 00
Foss Seventeenth of June, and flag . . . . .	4,000 00
Franklin Trades School . . . . .	334,417 22
George B. Hyde . . . . .	14,000 00
Mount Hope Cemetery . . . . .	45,357 32
Phillips Street . . . . .	20,000 00
Police Charitable . . . . .	207,550 00
Poor Widows' . . . . .	3,200 00
Public Library . . . . .	202,450 09
School . . . . .	56,625 79
	<u>\$942,700 42</u>





ANNUAL REPORT

OF THE

WATER-INCOME DEPARTMENT,

FOR THE YEAR 1894-5.

WATER-INCOME DEPARTMENT, CITY HALL,  
BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,

*Mayor of the City of Boston:*

SIR: In accordance with Chapter three, Section two, of the Revised Ordinances of 1892, the Water Registrar submits the annual report of the Water-Income Department for the preceding financial year, ending January 31, 1895.

RECEIPTS AND EXPENDITURES.

The receipts and expenditures of the department were:

	RECEIPTS.		
	Cochituate.	Mystic.	Total.
For water off and on for repairs . . . . .	\$2,141 50	\$544 50	\$2,686 00
fines for non-payment of rates . . . . .	1,644 00	432 00	2,076 00
Totals . . . . .	\$3,785 50	\$976 50	\$4,762 00

## EXPENDITURES.

	Cochituate.	Mystic.	Total.
For salaries . . . . .	*\$36,290 29	\$8,750 00	\$45,040 29
labor . . . . .	12,061 88	3,291 83	15,353 71
printing and stationery . . . . .	1,110 79	540 47	1,651 26
travelling expenses . . . . .	1,684 55	750 64	2,435 19
telephone . . . . .	127 50	.....	127 50
miscellaneous . . . . .	92 68	64 89	157 57
Totals . . . . .	\$51,367 69	\$13,397 83	\$64,765 52

The duties performed by the Water Registrar can be most clearly shown by means of tables, and he has therefore prepared the following tables.

## NUMBER OF TAKERS AND PURPOSES.

The number of takers of water, and the places where the water is taken, are shown in Table I.; the purposes for which water was taken by annual rates, and the places where taken, are shown in Table II.; the purposes for which water was taken by meter, and the places where taken, are shown in Table III.

## ASSESSMENTS AND QUANTITIES.

The quantities of water taken by meter, the purposes for which and the places where taken, are shown in Table IV.; the amounts assessed for water taken by meter, the purposes for which and the places where taken, are shown in Table V.; the amounts assessed for water taken by annual rates, the purposes for which and the places where taken, are shown in Table VI.

## ABATEMENTS.

There have been 2,724 applications for abatements in water bills delivered to the City Collector, and the Water Registrar has abated for being improperly assessed (the only ground for which the Registrar is allowed to abate) a part of the charges made on said bills. The number of abatements, amounts abated, and the several places in which the water was used, are shown in Table VII.

\* Eight hundred and sixteen dollars and sixty-six cents of the amount expended in salaries was paid to the widow of M. J. Kilduff in compliance with the following vote:

IN BOARD OF ALDERMEN, May 7, 1894.

*Ordered,* That there be allowed and paid to the widow of Michael J. Kilduff, late a clerk in the employ of the City of Boston, in the Water-Income Department, the balance of the salary to which he would have been entitled had he lived and continued to hold his position until the end of the year 1892, under the provisions of Chapter 265 of the Acts of the year 1894; to be paid from the Water Revenue.

Passed: Yeas, 11; nays, none. Sent down for concurrence. In Common Council. May 10, concurred. Approved by the Mayor, May 20, 1894.

**NEW PIPES.**

There have been 3,036 applications to connect new service, elevator, motor, and fire pipes with the water mains, and the number and place of the new services which were connected in the several places supplied are shown in Table VIII.

**TURNING WATER OFF AND ON.**

The Water Registrar has had occasion to turn the water off and on the mains and service-pipes 12,161 times, and the places in, and purposes for, which the same were done are shown in Table IX.

**METERS.**

There were 479 new meters applied and 153 meters discontinued during the year, leaving on January 31, 1895, 4,827 meters in use in the several places supplied with water. The places where the meters were applied, discontinued, or in use, and the sizes of the meters, are shown in Table X., and the kinds of meters are shown in Table XI.

**FIXTURES.**

There were on the first day of February, 1895, 558,382 fixtures of different kinds in use in the several places supplied with water. The kinds of fixtures, and the places where they were in use, are shown in Table XII.

**TABLE I.**

	COCHITUATE.	MYSTIC.				Totals.
	Boston, excluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Number of takers by annual rates . . .	83,000	6,710	12,536	6,422	4,690	113,358
Number of takers by meter . . . . .	3,660	193	106	101	25	4,085
Number of takers of all kinds . . . . .	86,660	6,903	12,642	6,523	4,715	117,443

TABLE II.

Purposes for which water was taken  By Annual Rates.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Armories . . . . .	2					2
Bakeries . . . . .	231	20	11	19	5	286
Bath-houses . . . . .	13					13
Building purposes . . . . .	1,531	22	295	67	185	2,100
Cattle-yards . . . . .	1	1				2
Cemeteries . . . . .	10			1		11
Churches . . . . .	208	12	22	14	9	265
Clubs . . . . .	74	25	8	27	3	137
Depots . . . . .	19		7	1	4	31
Disinfecting-places . . . . .	1					1
Dwelling-houses . . . . .	46,602	4,657	7,728	4,674	3,021	66,682
Fire Department:						
Chemical-engines . . . . .	8					8
Hose companies . . . . .	4					4
Hydrants . . . . .	6,042	272	115	85	32	6,546
Ladder-companies . . . . .	15					15
Steam-engines . . . . .	38	5	8	5	1	57
Fire-pipes . . . . .	348	41	8	9	2	408
Fountains . . . . .	23	8	7	4	2	44
Freight-houses . . . . .	4	12				16
Greenhouses . . . . .	76		18	3	6	103
Gymnasiums . . . . .	2					2
Halls . . . . .	89	11	10	6	8	124
Hand-hose . . . . .	8,460	288	2,457	522	710	12,437
Hospitals . . . . .	51	1	1	1		54
Hotels . . . . .	2					2
Laundries . . . . .	318	26	23	26	7	400
Libraries . . . . .	9	1		1		11
Manufactories . . . . .		12	14	23	7	56
Modelhouses . . . . .	6,765	365	309	163	67	7,669
Morgue . . . . .	1					1
Motor . . . . .				1		1
Offal-stations . . . . .	2					2
Offices . . . . .	945	31	17	43	21	1,057
Photograph-rooms . . . . .	16	1	1	2	1	21
Police-stations . . . . .	6	1		1	1	9
Public buildings . . . . .	4	4	1			9
Restaurants . . . . .	226	9	3	8	2	248
Saloons . . . . .	417	45				462
Schools . . . . .	108	6	6	3	3	126
Sewers . . . . .	2	2	1	2		7
Shops . . . . .	1,890	165	102	101	23	2,281
Shipping . . . . .	20					20
Stables . . . . .	3,349	315	1,135	308	465	5,572
Steam-engines . . . . .	154	19		8		181
Steam-rollers . . . . .	6					6
Stone-crushers . . . . .	8	1	1	1	1	12
Stores . . . . .	4,872	332	227	292	103	5,826
Urinals (public) . . . . .	19					19
Washing carts . . . . .	3					3
Watering streets . . . . .	6		1	1	1	9
Totals . . . . .	83,000	6,710	12,536	6,422	4,690	113,358

TABLE III.

Purposes for which water was taken  By Meter.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Bakeries . . . . .	10	5		1		16
Baths . . . . .	7					7
Boarding-houses . . . . .	53		1	1		55
Bottling . . . . .	35	1				36
Breweries . . . . .	20	1				21
Cemeteries . . . . .	3					3
Chemical-works . . . . .	6	1		1	1	9
Club-houses . . . . .	22					22
Distilleries . . . . .	6	1	1		1	9
Electrical companies . . . . .	9		1	1		11
Elevators and motors, . . . . .	540	8	5	5	3	561
Factories . . . . .	250	29	20	32	2	333
Fish-stores . . . . .	32					32
Gas companies . . . . .	14	2		2		18
Greenhouses . . . . .	11		1		3	15
Halls . . . . .	12	2		1		15
Hospitals . . . . .	15		2	2		19
Hotels . . . . .	83	5	2			90
Ice-manufacturing . . . . .	2					2
Iron-works . . . . .	33	4	2	5	1	45
Laundries . . . . .	19	3	1	3	1	27
Marble-works . . . . .	6					6
Markets . . . . .	8					8
Mills and engines . . . . .	30	12	2	2		46
Model houses . . . . .	508	16	4	1		529
Offices, stores, and shops . . . . .	1,023	19	18	9	5	1,074
Oil-works . . . . .	5	1		1		7
Parks . . . . .	6					6
Police-stations . . . . .	15	1	1			17
Public buildings . . . . .	35	6	1	3		45
Restaurants . . . . .	110	1		1		112
Saloons . . . . .	175	2				177
Schools . . . . .	104	11	14	10	4	143
Shipping . . . . .	33	1	1	1		36
Slaughter-houses . . . . .	5		3			8
Stables . . . . .	281	43	16	13	3	356
Steam-railways . . . . .	49	9	5	1		64
Stone-works . . . . .	7					7
Street-railways . . . . .	19	2	4	3	1	29
Sugar-refineries . . . . .	1					1
Tanneries . . . . .	3			1		4
Theatres . . . . .	16					16
Warehouses . . . . .	7					7
Wharves . . . . .	32	7	1	1		41
Totals . . . . .	3,660	193	106	101	25	4,085

TABLE IV.

Quantities taken By Meter.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
	<i>Cubic feet.</i>	<i>Cubic feet.</i>	<i>Cubic feet.</i>	<i>Cubic feet.</i>	<i>Cubic feet.</i>	<i>Cubic feet.</i>
Bakeries . . . . .	793,000	718,000		59,000		1,570,000
Baths . . . . .	1,012,000					1,012,000
Boarding-houses . . . . .	2,462,000		1,000	17,000		2,480,000
Bottling . . . . .	3,249,000	23,000				3,272,000
Breweries . . . . .	17,069,000	1,629,000				18,698,000
Cemeteries . . . . .	160,000					160,000
Chemical-works . . . . .	242,000	16,000		287,000	1,536,000	2,081,000
Club-houses . . . . .	4,667,000					4,667,000
Distilleries . . . . .	836,000	215,000	122,000		2,000	1,175,000
Electrical companies . . . . .	15,246,000		1,057,000	771,000		17,074,000
Elevators and motors, . . . . .	59,978,000	548,000	119,000	85,000	18,000	60,748,000
Factories . . . . .	33,900,000	2,574,000	1,408,000	7,050,000	144,000	45,076,000
Fish-stores . . . . .	2,647,000					2,647,000
Gas companies . . . . .	12,765,000	1,323,000		550,000		14,638,000
Greenhouses . . . . .	519,000		15,000		44,000	578,000
Halls . . . . .	704,000	55,000		25,000		784,000
Hospitals . . . . .	7,871,000		1,875,000	730,000		10,476,000
Hotels . . . . .	38,357,000	349,000	132,000			38,838,000
Ice-manufacturing . . . . .	2,595,000					2,595,000
Iron-works . . . . .	4,199,000	290,000	40,000	208,000	139,000	4,876,000
Laundries . . . . .	2,920,000	531,000	394,000	166,000	310,000	4,321,000
Marble-works . . . . .	1,911,000					1,911,000
Markets . . . . .	448,000					448,000
Mills and engines . . . . .	6,579,000	2,084,000	61,000	603,000		9,327,000
Model houses . . . . .	40,131,000	1,037,000	368,000	39,000		41,575,000
Offices, stores, and shops . . . . .	80,282,000	543,000	1,133,000	886,000	157,000	83,001,000
Oil-works . . . . .	635,000	24,000		65,000		724,000
Parks . . . . .	479,000					479,000
Police-stations . . . . .	1,819,000	66,000	64,000			1,949,000
Public buildings . . . . .	14,237,000	7,380,000	14,000	803,000		22,434,000
Restaurants . . . . .	10,577,000	89,000		13,000		10,679,000
Saloons . . . . .	12,710,000	31,000				12,741,000
Schools . . . . .	7,324,000	549,000	364,000	119,000	336,000	8,692,000
Shipping . . . . .	16,902,000		9,000	726,000		17,637,000
Slaughter-houses . . . . .	1,079,000		11,911,000			12,990,000
Stables . . . . .	13,952,000	1,645,000	667,000	475,000	34,000	16,773,000
Steam-railways . . . . .	65,344,000	24,035,000	8,282,000	60,000		97,721,000
Stone-works . . . . .	560,000					560,000
Street-railways . . . . .	20,666,000	421,000	277,000	2,331,000	237,000	23,932,000
Sugar-refineries . . . . .	26,403,000					26,403,000
Tanneries . . . . .	172,000			28,000		200,000
Theatres . . . . .	2,768,000					2,768,000
Warehouses . . . . .	2,714,000					2,714,000
Wharves . . . . .	3,715,000	3,939,000	52,000	482,000		8,188,000
Totals . . . . .	543,628,000	50,114,000	28,365,000	16,578,000	2,957,000	641,642,000

TABLE V.

Amounts assessed By Meter.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Bakeries . . . . .	\$1,060 50	\$920 80		\$82 60		\$2,063 90
Baths . . . . .	1,380 20					1,380 20
Boarding-houses . . . . .	3,385 50		\$15 00	23 80		3,424 30
Bottling . . . . .	4,320 10	32 20				4,352 30
Breweries . . . . .	20,916 10	1,978 80				22,894 90
Cemeteries . . . . .	214 10					214 10
Chemical works . . . . .	346 70	22 40		368 40	\$1,867 20	2,604 70
Club-houses . . . . .	5,862 88					5,862 88
Distilleries . . . . .	1,082 20	280 70	163 40		15 00	1,541 30
Electrical compa- nies . . . . .	18,412 50		1,292 40	949 20		20,654 10
Elevators and Motors . . . . .	81,372 17	751 80	190 60	125 60	45 00	82,485 17
Factories . . . . .	43,634 60	3,462 20	1,918 50	8,725 50	196 20	57,937 00
Fish-stores . . . . .	3,415 30					3,415 30
Gas companies . . . . .	14,718 00	1,612 80		608 10		16,938 90
Greenhouses . . . . .	720 00		21 00		61 60	802 60
Halls . . . . .	944 90	80 80		35 00		1,060 70
Hospitals . . . . .	9,708 00		2,487 10	985 20		13,180 30
Hotels . . . . .	47,292 60	477 90	182 60			47,953 10
Ice-manufacturing, Iron-works . . . . .	3,034 40					3,034 40
Laundries . . . . .	5,499 90	394 90	56 00	295 50	183 60	6,429 90
Marble-works . . . . .	3,754 00	702 80	496 20	229 90	396 00	5,578 90
Markets . . . . .	2,424 80					2,424 80
Mills and engines . . . . .	618 40					618 40
Model houses . . . . .	8,467 10	2,654 78	85 40	765 30		11,972 58
Offices, stores, and shops . . . . .	53,686 17	1,406 90	485 60	54 60		55,633 27
Oil-works . . . . .	106,845 75	776 70	1,508 60	1,155 10	221 40	110,507 55
Parks . . . . .	848 60	33 60		90 10		972 30
Police-stations . . . . .	637 10					637 10
Public buildings . . . . .	2,429 90	92 10	89 60			2,611 60
Restaurants . . . . .	17,613 20	9,350 20	19 60	1,006 00		27,989 00
Saloons . . . . .	14,044 50	123 50		18 20		14,186 20
Schools . . . . .	17,349 40	43 00				17,392 40
Shipping . . . . .	9,796 50	762 30	532 90	263 40	460 30	11,755 40
Slaughter-houses . . . . .	20,941 80	2 64	12 60	895 20		21,872 24
Stables . . . . .	1,375 50		12,842 00			14,217 50
Steam-railways . . . . .	19,162 50	2,282 80	933 90	665 70	50 00	23,094 90
Stone-works . . . . .	68,688 70	25,318 40	8,437 10	84 00		102,528 20
Street-railways . . . . .	750 40					750 40
Sugar-refineries . . . . .	20,934 90	547 20	382 50	2,346 20	296 10	25,006 90
Tanneries . . . . .	22,746 40					22,746 40
Theatres . . . . .	246 80			39 20		286 00
Warehouses . . . . .	3,562 00					3,562 00
Wharves . . . . .	3,370 20		72 80	602 40		3,370 20
	4,858 90	4,827 10				10,361 20
Totals . . . . .	\$672,474 17	\$58,939 32	\$32,225 40	\$20,854 20	\$3,792 40	\$788,285 49

TABLE VI.

Amounts assessed By Annual Rates.	COCHITUATE.		MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.		
Armories . . . .	\$5 00						\$55 00
Bakeries . . . .	2,747 92	\$265 50	\$148 80	\$245 00	\$57 00		3,564 22
Bath-houses . . .	160 00						160 00
Build'g purposes, Cattle-yards . . .	8,659 80	210 63	1,348 66	253 23	670 74		11,143 06
Cemeteries . . . .	15 00	10 00					25 00
Churches . . . .	102 00		5 00	5 00			112 00
Clubs . . . . .	2,368 50	162 00	255 00	168 00	73 00		3,026 50
Depots . . . . .	1,200 42	263 75	161 92	303 00	52 92		1,982 01
Disinfect'g-places	307 00		113 50	19 50	85 00		525 00
Dwelling-houses, Fire Department:	25 00						25 00
Chemical-en- gines . . . . .	649,151 92	62,638 47	101,743 08	59,931 16	32,742 15		906,206 78
Hose companies, Hydrants . . . .	120 00						120 00
Ladder com- panies . . . . .	60 00						60 00
Steam-engines, Fire-pipes . . . .	12,084 00	544 00	3,220 00	2,418 00	896 00		19,162 00
Fountains . . . .	225 00						225 00
Freight-houses . .	950 00	115 00	148 00	115 00	25 00		1,353 00
Greenhouses . . .	6,420 00	607 50	240 00	135 00	30 00		7,432 50
Gymnasiums . . .	433 00	80 00	20 00	40 00	20 00		593 00
Halls (private) . .	42 00	63 00					105 00
Hand-hose . . . .	999 00		148 00	34 00	48 00		1,229 00
Hospitals . . . . .	27 00						27 00
Hotels . . . . .	1,323 17	151 50	68 67	104 00	43 33		1,690 67
Laundries . . . .	42,300 00	1,440 00	12,285 00	2,610 00	3,550 00		62,185 00
Libraries . . . . .	3,986 33	70 00	127 50	20 00			4,203 83
Manufactories . .	180 00						180 00
Model houses . . .	5,896 90	512 00	416 88	497 50	104 33		7,427 61
Morgue . . . . .	157 00	10 00		12 00			179 00
Motor . . . . .		77 00	72 00	264 50	40 43		453 93
Offal-stations . .	148,550 51	6,765 00	5,332 86	3,516 50	1,310 42		165,475 29
Offices . . . . .	10 00						10 00
Photograph-r'ns, Police-stations . .	225 00		5 00	35 00			40 00
Public buildings, Restaurants . . . .	10,592 45	284 75	213 00	377 00	140 84		11,608 04
Saloons . . . . .	394 00	24 00	26 00	35 00	17 00		496 00
Schools . . . . .	105 00	23 00		10 00	20 00		158 00
Sewers . . . . .	7,275 01	101 50					7,376 50
Shops . . . . .	4,811 35	180 50	55 00	149 50	17 00		5,213 35
Shipping . . . . .	13,295 61	1,681 50					14,977 11
Stables . . . . .	1,698 00	78 00	127 00	33 50	59 00		1,995 50
Steam-engines . . .	3,757 00	361 99	171 27	176 12	3 00		4,469 29
Steam-rollers . . .	21,182 00	1,117 00	528 25	803 50	239 25		23,870 00
Stone-crushers . .	1,268 83						1,268 83
Stores . . . . .	21,482 83	2,505 49	5,406 70	1,524 87	1,623 81		32,543 70
Urinals (public), Washing carts . . .	2,658 75	231 50		126 00			3,016 25
Watering streets,	150 00						150 00
	167 50	5 00	30 00	10 00	24 00		236 50
	51,225 83	2,781 50	2,132 31	2,746 00	790 29		59,675 93
	520 00						520 00
	150 00						150 00
	4,610 56		3,521 20	413 60	371 84		8,917 20
Totals . . . . .	\$1,034,226 18	\$83,360 99	\$138,070 60	\$77,131 48	\$43,054 35		\$1,375,843 60



TABLE VII.

ABATEMENTS.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Number . . . . .	2,023	201	207	179	114	2,724
Amount . . . . .	\$23,200 00	\$1,264 28	\$1,226 93	\$838 36	\$471 67	\$27,001 24

TABLE VIII.

NEW ELEVATOR, MOTOR, FIRE, AND SERVICE PIPES.	COCHIT- UATE.	MYSTIC.				Totals.]
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Elevator . . . . .	11					11
Motor . . . . .	6	1				7
Fire . . . . .	41					41
Service . . . . .	2,112	67	361	122	315	2,977
Totals . . . . .	2,170	68	361	122	315	3,036

TABLE IX.

TURNING WATER OFF AND ON.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
For repairs in mains .	1,163					1,163
For repairs in service,	4,829	556	242	173	192	5,992
For non-payments . .	1,943	62	156	159	131	2,451
For waste . . . . .	28			2		30
Turning on first time,	1,709	67	368	117	264	2,525
Totals . . . . .	9,672	685	766	451	587	12,161

TABLE X.

METERS APPLIED IN 1894.	COCHITUADE.	MYSTIC.				Totals.
	Boston, excluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
6 in. . . . .	0	0	0	0	0	0
4 in. . . . .	8	0	1	0	0	9
3 in. . . . .	9	0	1	1	0	11
2 in. . . . .	11	2	3	0	0	16
1½ in. . . . .	17	0	0	1	0	18
1 in. . . . .	37	5	6	0	1	49
¾ in. . . . .	294	19	6	3	3	325
⅝ in. . . . .	48	1	1	1	0	51
Totals . . . . .	424	27	18	6	4	479

METERS DISCONTINUED IN 1894.	Boston, excluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	Totals.
6 in. . . . .	0	0	0	0	0	0
4 in. . . . .	1	0	0	0	0	1
3 in. . . . .	8	0	0	0	0	8
2 in. . . . .	4	3	1	0	0	8
1½ in. . . . .	13	0	0	0	0	13
1 in. . . . .	26	2	3	0	2	33
¾ in. . . . .	44	4	0	1	0	49
⅝ in. . . . .	35	4	1	1	0	41
Totals . . . . .	131	13	5	2	2	153

METERS IN USE JAN. 31, 1895.	Boston, excluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	Totals.
6 in. . . . .	5	2	0	0	0	7
4 in. . . . .	37	8	6	4	1	56
3 in. . . . .	63	5	7	6	0	81
2 in. . . . .	178	28	17	12	1	236
1½ in. . . . .	237	5	2	5	0	249
1 in. . . . .	918	54	47	21	5	1,045
¾ in. . . . .	1,631	74	30	38	10	1,783
⅝ in. . . . .	1,264	58	19	25	4	1,370
Totals . . . . .	4,333	234	128	111	21	4,827

TABLE XI.

KINDS OF METERS APPLIED IN 1894.	Worthington.	Crown.	Hersey.	Boston Water-Works.	Metropolitan.	Thomson.	Champion.	Nash.	Desper.	Ball & Fitz.	Gen.	Totals.
6 in. . . . .												
4 in. . . . .	2	5	1								1	9
3 in. . . . .	4	6	1									11
2 in. . . . .	6	8	1							1		16
1½ in. . . . .	4	10	4									18
1 in. . . . .	10	13	2		24							49
¾ in. . . . .	12	19	32	2	259		1					325
⅝ in. . . . .	2	47	1		1							51
Totals . . . . .	40	108	42	2	284		1			1	1	479

KINDS OF METERS DISCONTINUED IN 1894.	Worthington.	Crown.	Hersey.	Boston Water-Works.	Metropolitan.	Thomson.	Champion.	Nash.	Desper.	Ball & Fitz.	Gen.	Totals.
6 in. . . . .												
4 in. . . . .		1										1
3 in. . . . .	4	4										8
2 in. . . . .	6	1	1									8
1½ in. . . . .	6	5	2									13
1 in. . . . .	17	9	4		3							33
¾ in. . . . .	7	11	3	3	25							49
⅝ in. . . . .	2	38	1									41
Totals . . . . .	42	69	11	3	28							153

KINDS OF METERS IN USE JAN. 31, 1895.	Worthington.	Crown.	Hersey.	Boston Water-Works.	Metropolitan.	Thomson.	Champion.	Nash.	Desper.	Ball & Fitz.	Gen.	Totals.
6 in. . . . .	2	5									1	8
4 in. . . . .	22	31	3								1	57
3 in. . . . .	29	42	8									80
2 in. . . . .	155	65	15			1				1		237
1½ in. . . . .	110	114	24		1							249
1 in. . . . .	599	277	46		124							1,046
¾ in. . . . .	454	420	132	56	717		1		1	1		1,782
⅝ in. . . . .	63	1,276	18		4	5		1		1		1,368
Totals . . . . .	1,434	2,230	246	56	846	6	1	1	1	4	2	4,827

TABLE XII.

FIXTURES IN USE JANUARY 31, 1895.	COCHIT- UATE.	MYSTIC.				Totals.
	Boston, ex- cluding Charlestown.	Charlestown.	Somerville.	Chelsea.	Everett.	
Bath-tubs . . . . .	43,669	1,532	5,731	1,894	2,227	55,053
Bowls . . . . .	73,267	2,372	6,017	2,487	2,059	86,202
Foot-tubs . . . . .	415	9	5	2	2	433
Sinks . . . . .	131,136	11,562	14,444	9,039	4,543	170,724
Taps . . . . .	17,506	1,141	2,647	694	621	22,609
Urinals . . . . .	4,467	150	68	65	19	4,769
Wash-tubs . . . . .	65,097	1,939	6,221	2,018	1,631	76,906
Water-closets . . . .	112,240	7,870	12,009	6,539	3,028	141,686
Totals . . . . .	447,797	26,575	47,142	22,738	14,130	558,382

CORNELIUS F. DOHERTY,  
*Water Registrar.*



ANNUAL REPORT

OF THE

WATER-SUPPLY DEPARTMENT,

FOR THE YEAR ENDING JANUARY 31, 1895.

OFFICE OF THE BOSTON WATER BOARD,  
CITY HALL, BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: The Boston Water Board, in charge of the Water-Supply Department, herewith submit their annual report for the financial year ending January 31, 1895.

The receipts and disbursements of the department for the year were as follows:

The total receipts of the Water-Works, from all sources, for the year ending January 31, 1895, were as follows, viz.:

Income from sales of water . . . . .	\$2,091,959 60	
Income from shutting off and letting on water, and fees . . . . .	4,099 76	
Elevator, fire and service pipes, sale of old materials, etc. . . . .	50,829 04	
	<hr/>	\$2,146,888 40

The total expenditures of the Water-Works, from revenue, for the year ending January 31, 1895, were as follows, viz.:

## Current expenses, viz.:

Water-Supply Department .	\$537,071 28	
Less stock used purchased in previous years . . . . .	4,782 12	
	<u>\$532,289 16</u>	
Water-Income Department .	64,765 52	
		\$597,054 68
Interest on funded debt . . . . .		833,771 04
Sinking-fund requirement, 1893-94 . . . . .		229,380 00
Refunded water-rates . . . . .		2,774 76
Extension of mains, etc. . . . .		263,111 67
Amount paid Chelsea, Somerville, and Everett, under contracts . . . . .		152,657 96
Balance to sinking-fund . . . . .		68,138 29
		<u>\$2,146,888 40</u>

## COST OF CONSTRUCTION, AND CONDITION OF THE WATER DEBT.

Cost of construction of Water-Works to February 1, 1894 . . . . .		\$24,449,065 36
Cost of construction of Water-Works to February 1, 1895 . . . . .		<sup>1</sup> 25,400,581 03
Increase during the year . . . . .		<u>\$951,515 67</u>
Stock on hand February 1, 1894 . . . . .		\$144,785 23
Stock on hand February 1, 1895 . . . . .		156,982 22
Increase during the year . . . . .		<u>\$12,196 99</u>
The outstanding Water Loans February 1, 1894, were .	\$17,157,273 98	
The outstanding Water Loans February 1, 1895, were .	17,761,273 98	
Increase during the year . . . . .		<u>\$604,000 00</u>
The Water Sinking-Fund February 1, 1894, was . . . . .	\$7,914,715 13	
The Water Sinking-Fund February 1, 1895, was . . . . .	<sup>2</sup> 8,444,773 55	
Increase during the year . . . . .		<u>\$530,058 42</u>
Net Water Debt February 1, 1894 . . . . .	\$9,242,558 85	
Net Water Debt February 1, 1895 . . . . .	9,316,500 43	
Increase during the year . . . . .		<u>\$73,941 58</u>

<sup>1</sup> See page 23.<sup>2</sup> Consisting of investments (city of Boston bonds) \$8,315,460.00 and cash to the amount of \$129,313.55.

## EXTENSION OF MAINS.

The work of extending mains exceeded that of the previous year by about one and one-half miles, 17.9 miles having been laid and 5.1 miles having been abandoned; making a total of 572.8 miles of pipe now connected with the Cochituate system. To meet the requirements of the city in its rapid growth, from twenty to twenty-five miles of pipe should be laid annually, so it will be seen that the average during the past year was considerably below what it should have been. As during the previous year, we were obliged to economize in many directions in the effort to keep within the appropriation allowed us for this work. The total amount appropriated was \$250,000, and the amount expended was \$263,111.67, being \$13,111.67 in excess of the appropriation; but as there remains on hand stock to the amount of \$19,013.58 over the amount on hand at the beginning of the year, it leaves the actual cost for extensions \$244,098.09, or \$5,901.91 less than the appropriation. These expenditures have been provided for entirely from water revenue.

The second force main (36") from the Chestnut Hill to the Fisher Hill reservoir has been laid during the year, at a cost of \$72,461.94, including connections. The excessive cost was largely due to the fact that a portion of the pipe was necessarily laid at a great depth. In view of the contemplated new main from Washington Village to South Boston flats, *via* Dorchester avenue and D street, the pipe contract for 1894 was considerably increased; but as we were obliged to postpone this work for another year, we have the pipe on hand, and we hope to be able to carry out this work during the coming summer.

The main across the new Dover-street bridge has been completed and connected, and the temporary pipe which supplied water to South Boston during the work of abolishing the grade crossing, has been removed.

This temporary pipe was a source of great anxiety, as it passed through a large building for storing lumber in a lumber-yard, and in case of fire would have been in a very dangerous position. The Board took every precaution to protect it, by having it enclosed in a sheet-iron box and placing a line of automatic sprinklers inside the boxing.

Considerable work has been done during the year in enlarging the pipe system and locating new hydrants in the district formerly covered by the Jamaica pond aqueduct service.

The Board contemplate beginning early in the spring the important work of laying a new high-service supply main

from the junction of Fisher Hill avenue and Boylston street, in Brookline, to the city proper. This main will be 48 inches in diameter to the junction of Huntington avenue and Heath street, where it will be reduced to 42 inches, and continued through Huntington avenue and Boylston street, across the Common to Park-street gate. A 36-inch main will be laid from the corner of Huntington avenue and Heath street, across the Roxbury district to Grove Hall, for the improvement of the supply in Roxbury and Dorchester. The estimated cost of this work when completed is \$400,000.

It is hoped that when this work is finished an ample supply of water can be furnished in all the various localities from which complaints have come for several years past of lack of water, particularly during extreme cold weather in winter, when many water-takers allow their taps to run continually to prevent the water from freezing, thereby causing a great loss of head, and in many instances, in the more elevated localities, even taking away the supply entirely for several days at a time.

#### CONSUMPTION OF WATER, RAINFALL, ETC.

The daily average consumption of water during the past year was 46,560,000 gallons on the Cochituate and Sudbury, and 10,282,100 gallons on the Mystic; that of the combined supplies being 56,842,100 gallons, or a decrease of 2.3 per cent. over the previous year. The consumption per capita was 97.4 gallons.

The rainfall was below the average, the total for the year on the Sudbury water-shed being 39.74 inches. Although the season of 1894 was an unusually dry one, yet with the addition of the new basin No. 6, which was filled during the winter and spring, and from which water was drawn for the first time, we were enabled to supply the needs of the city without much anxiety so far as the Cochituate and Sudbury supply was concerned.

The water in Mystic lake fell to such a point that by September 12 it was necessary to let on the Cochituate water to supply Charlestown, as the Mystic supply would not have been sufficient for that district and the cities of Chelsea, Somerville, and Everett. Pumping was resorted to from August 31 to November 15, and the water in the lake reached a lower point than ever before. The old temporary pumps and engines at the lake were in such bad condition through age and use, that, by advice of the City Engineer, two new engines and one new pump were purchased, and the pump and one of the engines were at once put into service.



## HARBOR SERVICE.

The submerged pipes for supplying water to Long, Rainsford, and Gallop's islands and Fort Warren are still a source of great annoyance and expense to the Board, especially during the cold weather. Notwithstanding the fact that they are buried at the shore ends, the storms cause the water to wash the covering away, thereby exposing the pipes, and when there is any great decrease of the circulation they freeze and burst.

Between Long and Gallop's islands and between Long and Rainsford islands, the pipes are of wrought iron, three inches in diameter, and are so badly eaten by rust that it is very difficult and expensive to keep them sufficiently in repair to maintain the supply even in the summer season.

In order to provide for emergencies, and also to furnish a supply for fire purposes, the Board of Commissioners of Public Institutions have constructed a reservoir on Long island which has a capacity of 1,300,000 gallons. Water was admitted to this reservoir on December 7, 1894.

The Board have recommended to the Commissioners of Public Institutions that a reservoir be built on Rainsford island; and also to the Board of Health, that one be built on Gallop's island,— so that the buildings on those islands may have a supply of water in case of emergency. The work of extending pipes for the harbor system was commenced in the year 1888, and water was let into the pipes August 21, 1889.

It is proposed, during the coming season, to lay new lines of pipe between all of these islands (with the exception of the line from Long island to Fort Warren, which was laid by the United States Government), and, if possible, to protect them from freezing.

The original cost of laying the entire system from Neponset to Moon, Thompson's, Long, Rainsford, and Gallop's islands, and the change from the low to the high service system, was \$66,024.93, and the repairs on the same, up to February 1, 1895, have amounted to \$12,891.72.

The following is an extract from a letter of the Board to Mayor Matthews, on January 18, 1894, concerning the whole harbor pipe system: "These submerged pipes are a constant source of expense to this department, and we should be glad to turn all the pipes, from the point where they leave the mainland, over to the Public Institutions, and deliver them water without charge."

## NEW HIGH-SERVICE PUMPING-ENGINE.

The first shipment of the parts of the new 20,000,000-gallon per day high-service pumping-engine was made February 17, 1894, and the work of setting it up at the Chestnut-Hill pumping-station was begun at once. As stated in our last report, it was hoped to have had the pump in operation by July 1, but many unforeseen delays occurred which made this an impossibility. It became necessary to build an addition to the boiler-house in order to accommodate the new boiler constructed by the Atlantic Works, and considerable delay was experienced in securing a special car from the Calumet & Hecla Mining Company, which they were courteous enough to allow us to use to transport the boiler from the works at East Boston to Chestnut-Hill station, as an ordinary flat car would have made the load too high to pass beneath the railroad bridges. On account of the various delays the new engine was not ready to receive steam until October last. The engine has been run from time to time in order to get the bearings and joints in proper condition before finishing the work of lagging and painting. It is now expected that the pump will be put into service by about the middle of March. The new boiler is in place and working very satisfactorily. This boiler will furnish steam to the engine at considerable less expense for coal than boilers of the ordinary type.

## FIRE SERVICE.

It has been the aim of the Board to keep the fire service of the city up to the highest standard, and the proposed pipe referred to, under the head of Extension of Mains, is for increasing that service throughout the business district. Constant watch has been kept upon the hydrants during the cold weather, and the Fire Department has had no serious trouble from them this winter, as yet. It will be the policy of the Board to extend the high service in the business section as rapidly as necessity requires. Owing to the increased number of high buildings, and the extension of the automatic-sprinkler system, many demands have been made for high service. In May last the Board requested the City Engineer to report what work was necessary to be done in order to furnish better fire protection. He subsequently reported, recommending larger pipes and more hydrants in many of the streets, and the Board will from time to time carry out his recommendations.

In addition to the pressure-recording gauges that were

placed in many of the fire-engine houses last year, more have been added, and arrangements have been made with the Fire Commissioners whereby, in case of a conflagration in the high-service district of the city proper, if the recording gauge at City Hall shows a pressure of not more than 25 pounds, certain gates between the high and low service mains will be opened at once by employees of this department; the location and number of the gates to be opened to depend upon the locality and magnitude of the fire, thus ensuring an ample supply of water when needed.

#### WHITEHALL POND.

On August 2, 1894, by the advice of the Law Department and with the approval of the Mayor the Board settled with Eben D. Jordan, owning two-thirds, and on August 30 with Wood Bros. & Newhall, owning one-third, of Whitehall pond, for an aggregate sum of \$286,500. Plans are being drawn for a new dam, and a contract for its construction will probably be made during the coming summer. When this dam is finished and the pond cleaned the quality of the water will be greatly improved, and the storage capacity of the Sudbury supply increased some 1,256,900,000 gallons.

All the land damages and claims abutting on the pond have been settled, with the exception of four or five small cases which the Board expect to dispose of at an early day.

#### BASIN 6.

Basin 6 was filled during the winter and spring, and water was first drawn from it in September. The work of finishing around the basin was continued during the season, and is practically completed. The Board, on January 1, turned the care and maintenance of this basin over to the superintendent of the Western Division.

Much work has been done in straightening out the brook leading from the basin to the Sudbury river below the dam, and in building filtering beds to be used in conjunction with the basin, and a keeper's house has been provided at one end of the dam. There being a large swamp at the head of Basin 6, in which the water became discolored by being held back, it was deemed advisable to take several acres of land for the purpose of controlling the outlet into the basin.

#### BASIN 5.

A portion of the land for this basin, comprising 198.01 acres, was taken by right of eminent domain April 2, 1894, in order that the construction of the new dam might

be begun at once, and the balance (2,247.17 acres) was so taken April 30, 1894, the takings being duly recorded in the counties of Worcester and Middlesex. Work on the new dam was begun by Moulton & O'Mahoney, contractors, early in May, and it was pushed as rapidly as possible until the cold weather set in, when it was covered and thoroughly protected from the frost. This work will be resumed as soon as the weather will permit. One contract for stripping in the basin was let to Auguste Saucier on August 27, and the work is now being prosecuted. Other contracts for stripping will be advertised for in the spring, and it is expected that enough of the dam and stripping will be completed so as to admit of the filling of the basin to a height of 25 feet, by another winter. Many of the claims for damages and for land taken have been settled. In the report of last year attention was called to the numerous conferences held with a committee of citizens of Southboro', in regard to the changing of the roads in that town, necessitated by the construction of Basin 5. The result of these conferences was that the following agreement was entered into between the town of Southboro' and the city of Boston :

The city of Boston, a municipal corporation in the county of Suffolk, acting by its water board, and the inhabitants of the town of Southboro', a municipal corporation in the county of Worcester, acting by its committee thereunto duly authorized, on this fourteenth day of February, A.D. eighteen hundred and ninety-four, agree as follows :

*First:* Said town consents to the discontinuance by said city of certain parts of the town, county and other public ways in said town substantially as shown in blue on a plan hereto annexed, and to the laying out, relocating, altering, building, reconstruction and repair of certain other parts of said ways, which shall thereafter be highways, substantially as shown in red on said plan, and to the changing of the grade of certain other parts of said ways substantially as shown in yellow on said plan, all of which said water board deems necessary for the proper building by said city of its new water-basin in said town.

*Second:* Said city may discontinue said parts of ways shown in blue as aforesaid and shall do the work on said parts of ways shown in red and yellow as aforesaid in a good and workmanlike manner, making the travelled parts of said ways shown in red and yellow not less than twenty-five feet wide, and of good material, and to the satisfaction and acceptance of the county commissioners of Worcester county, and shall secure to all persons desiring to use any of said parts shown in red, yellow or blue, a safe and convenient way of travel over or around each part from the time said city shall construct or commence work on the same until the completion of the substitute therefor in the manner aforesaid, and shall at all times during the progress of its work secure safe and convenient ways of travel between Southboro' and the neighboring towns, and between the different parts of said town.

*Third:* Said city shall, wherever practicable, fence the said parts of ways shown in red or yellow with substantially built field-stone walls, and where it is impracticable to place such walls, shall fence said parts of said ways with an iron fence not less than four feet in height, made with two iron gas-pipe rails not less than two and one-half inches in diame-

ter, fixed in iron posts not less than three inches in diameter, and with said posts securely fixed in stone bases, where and as the board of selectmen of said town shall request.

*Fourth:* Said city shall either take all land lying between Rice's Mill and Williams' Mill, so called, and between the line of said basin on the north and a line marked A and B upon the annexed plan on the south, and compensate the several owners therefor, or it shall build a new way which shall comply with the requirements of the first, second and third clauses, for ways to be built by it, and which shall run from a point near the junction of the Willow Bridge road and the road from Fayville to Marlboro', to a point on the old County road from Framingham to Southboro' near the house of Sullivan T. Ball.

*Fifth:* Said city shall not commence the construction of any part of said basin, or of any structure connected therewith, except the dam thereof, until descriptions of all lands and other property to be taken for said basin or structures have been filed in the Registry of Deeds for the county of Worcester, and said city shall file such descriptions in said Registry before May 1, 1894.

*Sixth:* Said city shall pay all damages that shall be sustained by any person in his property, to which damages he may be legally entitled by reason of any discontinuance, relocation, alteration or change of grade of any public way in said town by, or on the petition of, said city, its officers or agents, and shall indemnify and save harmless said town from every suit brought against said town from any cause arising from any such discontinuance, relocation, alteration or change of grade of any public way in said town so made, or from any defect in any such way from the time said city shall obstruct or commence work on the same until the completion thereof in the manner aforesaid, and shall upon reasonable notice appear in, and defend every such suit, and satisfy all judgments in such suit.

*Seventh:* Said town by its selectmen may, during the construction of said basin and ways, furnish a proper and sufficient lock-up in said town, and may appoint and employ, at wages not exceeding two dollars and a half per day per man, police officers in such numbers as may be agreed upon by said selectmen and said water board, or the agency in charge of its water supply, or in case they cannot agree, in such numbers as the chief of the district police force may determine to be necessary to protect persons and property in said town, and said city shall pay the expense incurred for said lock-up and said police officers as herein provided, at fixed periods at intervals not exceeding six months, as said board or agency and said selectmen may agree upon.

*Eighth:* Said town may take water from said basin for the purposes of a public water supply for said town not exceeding two hundred thousand (200,000) gallons per day, and may do all necessary and reasonable acts to take said water.

*Ninth:* Said town, or persons designated by the selectmen of such town and approved by said board or agency, may, under such reasonable regulations as said board or agency may deem necessary for the preservation of the purity of the water of said basin, cut and remove ice from said pond to be sold, delivered and used only in said town, and may construct and maintain ice-houses for the purpose of storing ice, not exceeding two in number, of a total capacity not exceeding twenty-five hundred (2,500) tons, in such place and of such size and construction as said board or agency and said selectmen shall agree upon, and the inhabitants of said town may under such reasonable regulations as said board or agency may deem necessary for the preservation of the purity of the water of said basin, cut and remove ice from said basin for their individual use in said town.

*Tenth:* Said city shall before July 1, 1894, pay to the treasurer

of said town for the use of said town, the sum of fifty thousand dollars (\$50,000), being the estimated cost to said town of building other highways, and the extra cost of repairing the ways hereinbefore mentioned, when raised or altered by said city.

CITY OF BOSTON,

By

THOS. F. DOHERTY, }  
 J. W. LEIGHTON, } *Boston Water Board.*  
 WM. S. MCNARY, }

INHABITANTS OF THE TOWN OF SOUTHBORO',

By

CHARLES F. CHOATE, }  
 JOSEPH BURNETT, } *Committee of said Town.*  
 FRANCIS D. NEWTON, }  
 JOHN A. SALMON, }  
 DE CLINTON NICHOLS, }

Approved:

N. MATTHEWS, JR.,

*Mayor.*

This agreement was confirmed by an Act of the Legislature approved March 14, 1894.

Several conferences were also had with the commissioners of the counties of Worcester and Middlesex in regard to the proposed changes of highways, and on March 3 the City Engineer was requested to prepare plans and specifications which were approved by the Worcester county commissioners, April 10, for building two roads to take the place of two of those which were to be discontinued. The contract for their construction was awarded to Berry Bros., June 6. These roads have been completed, and they will be opened to public travel in the spring. The town has appointed a police force, for which the city pays, according to the above agreement. In anticipation of the adoption by the State of a metropolitan water-supply from the Nashua river, the plans of the gate-house at Dam No. 5 were modified so as to adapt the structure to the increased flow which would be required on account of an additional supply from said river.

#### FUTURE SUPPLY.

In recent reports attention has been called to the very important subject of a future supply of water for Boston. As the limit, after the full development of the Sudbury system will be reached in a few years, this subject has been constantly kept in mind by the Board for several years. The Legislature of 1892 appropriated \$40,000 to enable the State Board of Health to inquire into the matter of a metropolitan supply for Boston and its suburbs within a radius of ten

miles ; and it is expected that a report will be made by them to the Legislature some time next month, when this very important subject will doubtless receive the consideration which it deserves ; in the meantime work will be continued in the development and for the purification of the entire water system of the Sudbury river and its tributaries.

#### CEDAR SWAMP.

Cedar swamp, which is in the towns of Hopkinton and Westboro', and through which much of the water of the Sudbury river flows, and derives its high color, contains 1,500 acres, about half of which has been bonded, and it is hoped to obtain rights of drainage through a large part of the remaining lands to build canals so as to drain the entire swamp. When this is done, the most important source of discoloration of the water will be remedied. It is expected that good progress will be made in this work before another winter.

#### FILTRATION.

The filter beds at the outlet of Pegan brook, in Natick, which have now been in operation several years, have given satisfactory results. Studies on filtration have been pursued during the past year, both for the Cochituate and Sudbury, and the Mystic systems, and much data has been obtained, which will be of great value in future in caring for the city's water-supply: Plans have already been prepared for a series of beds to filter the water of Marlboro' brook, which flows through a part of that city, and into the new Basin 5.

#### MYSTIC DEPARTMENT.

In our last report attention was called to the proposed park in Winchester, which would remove one of the most serious nuisances upon the Abajona river. It was the opinion of the Board that the removal of several tenement-houses on the banks of the river, a tannery, stables, and various other buildings and workshops, would be a great advantage in the work of purifying this water-supply. After numerous conferences with authorities of the town of Winchester and the Metropolitan Park Commissioners, arrangements were finally made, with the approval of the Mayor, and providing the City Council should so authorize, to contribute the sum of \$60,600 towards the removal of these buildings, and the converting of this territory into the Metropolitan park scheme. On November 22 a communication was sent to the Mayor, and by him forwarded to the City

Council, asking for a loan of \$65,000 in order to carry out the plans agreed upon. The matter was laid over for the present city government to take up, which it is expected it will do at an early day.

The new pumping-engine for the Mystic works is being constructed by the Geo. F. Blake Manufacturing Company, and it is expected that it will be set up and in working order in the early fall. A contract was made with Mack & Moore, October 27, 1894, to build an extension to the pumping-station in order to accommodate this new engine, and this work is now in process of construction. The foundations for the new engine are finished and ready for the heavy parts of the machinery, as soon as the roof of the building is completed. Owing to the low condition of Mystic lake, the Cochituate water was turned on to Charlestown September 12, and is now supplying that district.

The Cochituate high service has supplied the Bunker Hill section continually since June 29, 1893. The abolishment of the grade crossing at Chelsea bridge made it necessary to relay the pipes which supply Chelsea and East Boston. East Boston was supplied through 20 and 24 in. pipes, and Chelsea by a 16-in. pipe. In place of these a new line of 30-in. pipe was laid to supply East Boston, and a 24-in. pipe to supply Chelsea. These pipes were laid through land of the Boston & Maine Railroad Company, along the line of the street, so as to avoid the foundation of the piers of the highway bridge over the railroad tracks. In the near future the quality of the Mystic water will be greatly improved, as the town of Winchester has constructed, and the city of Woburn is about to construct, sewers, and it is hoped that Stoneham will soon do so. It is expected that the North Metropolitan sewerage system, into which the sewers of these communities will enter, will be in operation by the coming spring.

#### SEWERAGE SYSTEMS OF MARLBORO', WESTBORO', FRAMINGHAM, AND NATICK.

The Marlboro' sewerage system is working very satisfactorily, and house connections are continually being made. Great improvement has already been noticed in the water of Basin 3, into which the Marlboro' brook flows.

The town of Westboro' is also continually extending its sewerage system, which has removed what has heretofore been a serious menace to one arm of the head-waters of the Sudbury river.

The Framingham sewerage system was constructed several years ago, the city of Boston agreeing to pay the sum of



\$25,000 towards it; but payment has been withheld, owing to the construction of an under-drain, which was allowed to discharge into Beaver Dam brook. The authorities have now decided to build a filtering-bed, to care for the water pumped from the under-drain, and the Board have agreed to assist the town in completing the same. This matter, it is expected, will be entirely consummated during the coming summer.

By Chapter 459 of the Acts of 1894 the town of Natick was empowered to construct and maintain a system of sewerage and sewage disposal. Section 2 of this act provides that said town shall build and maintain its collecting-reservoir and pumping-station at such place on the southwesterly side of Lake Cochituate, between West Central street in said Natick and said lake, as the Boston Water Board shall approve; shall carry the sewers connecting with said pumping-station across or through the filter-beds and adjacent lands of said city as said Water Board shall approve; shall carry its sewers, pipes, and conduits across Lake Cochituate only by routes south of the location of the main line of the Boston & Albany Railroad Company; and shall construct and maintain its sewers, pipes, conduits, reservoirs, and pumping-apparatus and sewage-fields in such manner as the State Board of Health shall approve. And in consideration thereof said city of Boston, by its Water Board, shall allow the main line of sewers connecting with the pumping-station of said town to be constructed through or across the filter-beds and adjacent lands of said city without any payment for the right so to do or for any damages caused thereby, and shall, upon the building of said pumping-station and the laying of said main line from Cochituate street in said Natick to said pumping-station, pay to the treasurer of said town the sum of \$18,000.

Conferences have been held with the sewer committee of said town, and arrangements have been made for the town to carry the sewage across Lake Cochituate at its southern extremity, and its adjacent location to the Boston & Albany Railroad Company, to a pumping-station to be located on the westerly side of the lake, near the village of Walkerville, so called; from which point the sewage will be pumped to the filtration-fields adjoining those now occupied by Framingham. When this system of sewerage is completed another great source of pollution to Boston's water-supply will be removed.

## ELECTROLYSIS.

During the year, Messrs. Stone & Webster have continued their investigations as to the effect of the electric currents on the water-pipes. We are satisfied that some electrolytic action is taking place in our water-pipe system. And, as it is very important that this action be carefully watched in order to prevent any serious damage from occurring, the Board have authorized the City Engineer to employ, from time to time, whatever expert assistance he may deem necessary.

## BIOLOGICAL LABORATORY.

The biological studies and experiments at the laboratory at Chestnut Hill, have fully demonstrated by their results the great advantage of work of this character. The accurate knowledge of the condition of the waters of the various basins and reservoirs has amply compensated the department for the expenditure incurred.

## ASSETS AND LIABILITIES.

The Board recently requested the City Engineer to make a careful estimate of the value of the property of the Water Department, in order that a statement of the assets and liabilities might be incorporated in this report. In making this estimate he has taken into account only what he considered to be the actual market value. The following is a copy of his estimate :

CITY OF BOSTON, ENGINEERING DEPARTMENT,  
50 CITY HALL, January 31, 1895.

COL. THOMAS F. DOHERTY,  
*Chairman Boston Water Board :*

SIR : The following is the estimated present value of the Boston Water-Works :

Reservoir No. 1 . . . . .	\$340,000 00
“ “ 2 . . . . .	487,000 00
“ “ 3 . . . . .	620,000 00
“ “ 4 . . . . .	1,050,000 00
“ “ 5, partially constructed . . . . .	<sup>1</sup> 500,000 00
“ “ 6 . . . . .	1,080,000 00
Whitehall pond . . . . .	386,000 00
Farm pond . . . . .	20,000 00
Lake Cochituate . . . . .	1,800,000 00
Sudbury-river aqueduct . . . . .	3,650,000 00
<i>Carried forward,</i>	<u>\$9,933,000 00</u>

<sup>1</sup> This does not include value of land taken, but not paid for.

<i>Brought forward,</i>	\$9,933,000 00
Cochituate aqueduct . . . . .	1,100,000 00
Chestnut-hill reservoir . . . . .	2,280,000 00
Brookline reservoir . . . . .	250,000 00
Fisher-hill reservoir . . . . .	190,000 00
Parker-hill reservoir . . . . .	206,000 00
East Boston reservoir . . . . .	150,000 00
South Boston reservoir . . . . .	50,000 00
Chestnut-hill pumping-station, buildings . . . . .	200,000 00
“ “ machinery . . . . .	240,000 00
W. Roxbury high service, machinery and buildings, . . . . .	25,000 00
East Boston “ “ “ “ “ . . . . .	35,000 00
Pipe-yard and buildings . . . . .	250,000 00
Distribution system (573 miles) . . . . .	7,400,000 00
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Total Sudbury and Cochituate works . . . . .	\$22,309,000 00
 <i>Mystic Water-Works :</i>	
Mystic lake and conduit . . . . .	\$1,250,000 00
Engine-house and machinery . . . . .	200,000 00
Reservoir . . . . .	200,000 00
Distribution system (38.6 miles), . . . . .	600,000 00
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Total Mystic works . . . . .	2,250,000 00
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Total . . . . .	<u>\$24,559,000 00</u>

Yours respectfully,

WILLIAM JACKSON,  
*City Engineer.*

Considering the financial condition of this department it is well to note that the loss of revenue from several of the other city departments is a very serious matter. For instance, in the year 1891 the revenue derived from other departments was \$116,895.14, whereas during the past year we have only received \$45,096.15, being a loss of \$71,798.99. Since the year 1891 no charge has been made to the Street Department for water for street-sprinkling purposes, or to the Fire Department for hydrants. On the other hand, the expense to this department of restoring streets to the condition they are found in when openings are made for extensions or repairs of pipes has been very largely increased, inasmuch as the roadways are now more thoroughly and expensively built than formerly.

We now receive from the Fire Department \$2 per year for the care and maintenance of each hydrant, and the estimated cost to meet the demands for fire service is \$15 per year per hydrant.

The total cost of construction of the water-works to February 1, 1895, was . . . . .	\$25,260,439 83
Value, January 31, 1895 . . . . .	\$24,559,000 00
Stock on hand January 31, 1895 . . . . .	156,982 22
	<hr/>
	\$24,715,982 22
Net debt, January 31, 1895 . . . . .	9,316,500 43
	<hr/>
Surplus of assets over liabilities . . . . .	<u>\$15,399,481 79</u>

DETAILED STATEMENT OF THE COST OF COCHITUATE, SUDBURY, AND MYSTIC SYSTEMS OF THE BOSTON WATER WORKS TO FEBRUARY 1, 1895.

*Cochituate Supply.* -

Lake Cochituate :		
Amount paid for lake . . . . .	\$100,000 00	
Factories at outlet, \$50,000, less amount received for insurance, . . . . .	20,818 22	
Roads, bridges, swamps, etc. . . . .	38,332 48	
Dam at outlet . . . . .	8,458 20	
Lower dam at outlet . . . . .	10,940 08	
New dam at outlet . . . . .	33,436 49	
Gate chamber, superstructure . . . . .	29,907 12	
Raising lake, including dam- ages . . . . .	28,002 18	
Pegan brook dam . . . . .	1,394 06	
Willow dam . . . . .	1,567 29	
Dudley pond and connections . . . . .	18,982 23	
	<hr/>	
		\$291,838 35
Compensating reservoirs . . . . .		66,859 80
Land and water damages, Cochit- uate . . . . .		248,827 34
Engineering expenses to January 1, 1852 . . . . .		40,000 00
Cochituate aqueduct :		
Brick aqueduct . . . . .	\$817,717 73	
Newton tunnel . . . . .	102,297 36	
Brookline tunnel . . . . .	47,378 26	
Bridges, culverts, and waste weirs . . . . .	74,499 54	
Siphon . . . . .	26,532 35	
	<hr/>	
		1,068,425 24
		<hr/>
Total cost of Cochituate supply . . . . .		<u>\$1,715,950 73</u>

*Sudbury-River Supply.*

Reservoir No. 1 :			
Land damages . . . . .	\$67,759	46	
Reservoir, including one-third of cost of 48-inch pipe . . . . .	44,455	20	
Foundation of dam . . . . .	75,157	97	
Superstructure of dam . . . . .	50,325	74	
Gate chamber, superstructure . . . . .	10,988	92	
Additional work, gates, etc. . . . .	8,456	52	
			<hr/>
			\$257,143 81
Reservoir No. 2 :			
Land damages . . . . .	\$165,013	78	
Reservoir, including one-third of cost of 48-inch pipe . . . . .	71,591	86	
Foundation of dam . . . . .	80,419	83	
Superstructure of dam . . . . .	57,602	56	
Gate chamber, superstructure . . . . .	5,579	12	
Additional work, gates, etc. . . . .	9,381	00	
Removal of shallow flowage . . . . .	76,365	96	
			<hr/>
			465,954 11
Reservoir No. 3 :			
Land damages . . . . .	\$40,512	61	
Reservoir, including one-third of cost of 48-inch pipe . . . . .	53,952	26	
Foundation of dam . . . . .	111,179	65	
Superstructure of dam . . . . .	70,534	25	
Gate chamber, superstructure . . . . .	6,984	25	
Additional work, gates, etc. . . . .	6,251	98	
Removal of shallow flowage . . . . .	129,987	72	
			<hr/>
			419,402 72
Reservoir No. 4 :			
Land damages . . . . .	\$26,330	00	
Reservoir . . . . .	265,517	93	
Dam . . . . .	521,998	45	
			<hr/>
			813,846 38
Reservoir No. 5 :			
Expenditures to date, including land . . . . .			279,818 86
Reservoir No. 6 :			
Land damages . . . . .	\$26,876	59	
Reservoir . . . . .	334,183	02	
Dam . . . . .	549,241	57	
			<hr/>
			910,301 18
Whitehall pond :			
Land damages . . . . .	\$32,474	61	
Reservoir . . . . .	28,841	33	
Amount paid Messrs. Jordan & Wood . . . . .	233,200	00	
			<hr/>
			294,515 94
			<hr/>
<i>Carried forward,</i>			\$3,440,983 00

<i>Brought forward,</i>		\$3,440,983 00
Cedar swamp . . . . .		14,695 21
Work about Farm pond . . . . .		17,297 94
Roadway in Framingham . . . . .		23,947 32
Land damages, exclusive of amts. otherwise specified . . . . .		340,696 38
Water damages paid to mill-owners below Dam 1 . . . . .	\$419,062 88	
Damages paid mill-owners at Ashland . . . . .	94,000 00	
Water damages on Indian brook . . . . .	15,700 00	
Legal expenses . . . . .	30,127 76	
	<hr/>	558,890 64
Temporary connection with Lake Cochituate . . . . .		75,611 73
Investigations of Shawshine and Charles rivers, etc. . . . .		27,646 59
Protection of supplies:		
Paid toward Marlboro' sewerage system . . . . .	\$62,000 00	
Paid toward Westboro' sewerage system . . . . .	20,000 00	
<sup>1</sup> Land damages . . . . .	83,903 81	
Miscellaneous . . . . .	11,610 58	
	<hr/>	177,514 39
Engineering and engineering ex- penses from 1872 to 1881 . . . . .		300,371 22
Office expenses, travelling, etc. . . . .		80,594 74
Miscellaneous . . . . .		35,282 93
Sudbury-river conduit:		
Section A, Dam 1 to Farm pond, Farm-pond conduit (across pond) . . . . .	\$67,548 89	
Section 1 . . . . .	157,837 97	
" 2 . . . . .	69,851 42	
" 3 . . . . .	111,479 70	
" 4 . . . . .	156,725 19	
" 5 . . . . .	92,556 00	
" 6, Rockland-st. tunnel . . . . .	94,967 25	
" 7 . . . . .	111,241 17	
" 8, Badger-hill tunnel . . . . .	148,382 58	
" 9 . . . . .	92,905 32	
" 10, Waban bridge . . . . .	119,857 19	
" 11 . . . . .	182,710 40	
" 12 . . . . .	130,344 68	
" 13 . . . . .	178,342 75	
" 14 . . . . .	105,802 44	
" 15, Charles-river bridge . . . . .	165,696 78	
" 16 . . . . .	202,712 55	
" 17 . . . . .	87,145 68	
	88,693 62	
	<hr/>	
<i>Carried forward,</i>	\$2,364,801 58	\$5,093,532 09

<sup>1</sup> Previous to 1891, land purchased for protection of supply was charged to the general account of Land Damages.

<i>Brought forward,</i>	\$2,364,801 58	\$5,093,532 09
Section 18 . . . . .	20,422 56	
“ 19 . . . . .	76,170 00	
“ 20, Beacon-st. tunnel . . . . .	336,630 70	
“ 21 . . . . .	39,038 34	
Gate chamber, superstructure, Chestnut-hill reservoir . . . . .	9,471 13	
East siphon chamber, super- structure . . . . .	7,585 81	
West siphon chamber, super- structure . . . . .	9,915 45	
Waste-weir chamber, super- structure, Newton . . . . .	2,438 19	
Waste-weir chamber, super- structure, Natick . . . . .	2,564 18	
Waste-weir chamber, super- structure, Sherborn . . . . .	2,440 29	
Waste-weir chamber, super- structure, Needham . . . . .	2,570 50	
Siphons, sluice-gates, additional work, etc. . . . .	121,499 71	
Connections with Chestnut-hill reservoir . . . . .	87,113 51	
	<hr/>	3,082,661 95
Total cost of Sudbury supply,		<u><u>\$8,176,194 04</u></u>

*Distributing-Reservoirs and Distribution.*

<i>Brookline reservoir :</i>		
Land . . . . .	\$58,418 93	
Construction . . . . .	108,301 92	
Gate chamber . . . . .	33,356 36	
	<hr/>	\$200,077' 21
<i>Beacon-hill reservoir :</i>		
Land . . . . .	\$145,107 10	
Construction . . . . .	368,426 11	
	<hr/>	
Total . . . . .	\$513,533 21	
Credit by sale of land . . . . .	150,000 00	
	<hr/>	363,533 21
<i>Chestnut-hill reservoir :</i>		
Land . . . . .	\$144,418 32	
Construction . . . . .	2,124,521 06	
Stable . . . . .	8,103 55	
	<hr/>	2,277,042 93
<i>South Boston reservoir :</i>		
Land . . . . .	\$55,103 23	
Construction . . . . .	35,804 87	
	<hr/>	90,908 10
<i>Carried forward,</i>		<u><u>\$2,931,561 45</u></u>

<i>Brought forward,</i>		\$2,931,561 45
East Boston reservoir :		
Land . . . . .	\$23,862 50	
Construction . . . . .	42,240 59	
	<hr/>	66,103 09
Parker-hill reservoir :		
Land . . . . .	\$99,678 91	
Construction . . . . .	98,765 00	
Gate-house, superstructure . . . . .	4,675 00	
Keeper's house . . . . .	2,674 90	
	<hr/>	205,793 81
Fisher-hill reservoir :		
Land . . . . .	\$92,042 00	
Construction, contract . . . . .	75,967 27	
Sluice-gates . . . . .	1,215 00	
Gate-house, superstructure . . . . .	8,912 00	
Grading, engineering, advertising, . . . . .	12,999 08	
	<hr/>	191,135 35
Roxbury high service :		
Engines, engine - house, and standpipe . . . . .		103,829 53
Brighton high service :		
Engine-house, pumps, boilers, and reservoir . . . . .		7,745 00
East Boston high service :		
Pumping-station, old . . . . .	\$4,200 00	
Pumps and boilers, old . . . . .	4,800 00	
Pumping-station . . . . .	8,973 26	
Standpipe, including land . . . . .	8,749 10	
Boilers and pump foundations, . . . . .	1,234 86	
Grading, etc. . . . .	2,250 90	
	<hr/>	30,208 12
West Roxbury high service :		
Engine-house, including land . . . . .	\$6,741 50	
Pumps and boilers . . . . .	2,299 56	
Standpipe . . . . .	10,945 00	
Right of way, grading, etc. . . . .	2,360 50	
	<hr/>	22,346 56
Chestnut-hill pumping-station :		
Engine and boiler-house . . . . .	\$205,172 89	
Gaskill engines, Nos. 1 and 2, . . . . .	48,083 20	
Leavitt engine, No. 3 (to date), . . . . .	148,178 18	
Two horizontal tubular boilers, . . . . .	6,003 00	
Belpaire boiler and economizer, . . . . .	16,417 01	
Economizer, pumps, piping, dynamos, engines, electric work, and miscellaneous . . . . .	15,324 46	
H. R. Worthington Co., damages for loss of contract . . . . .	45,907 52	
	<hr/>	485,086 26
<i>Carried forward,</i>		\$4,043,809 17



<i>Brought forward,</i>		\$4,043,809 17
Jamaica-pond aqueduct:		
Amount paid . . . . .	\$45,217 50	
Amount received . . . . .	32,000 00	
	<hr/>	
Balance . . . . .	\$13,217 50	
Amount paid . . . . .	75,199 70	
	<hr/>	88,417 20
Pipe yards and buildings . . . . .		94,832 16
Engineering expenses to Jan. 1, 1852 . . . . .		57,873 58
Distribution:		
Distribution to January, 1850,	\$1,600,000 00	
Extension to East Boston . . . . .	254,267 05	
40-inch main . . . . .	304,991 83	
48-inch main, Chestnut-hill reservoir to Brookline avenue, 48, 24, and 30 inch mains, Commonwealth avenue, Francis street, and Massachusetts avenue . . . . .	254,300 00	
24-inch main across Chelsea creek . . . . .	87,402 28	
12-inch main, South Boston high service . . . . .	24,878 08	
10 and 12 inch main, East Boston high service . . . . .	27,860 29	
12-inch main, Breed's - island high service . . . . .	13,960 07	
Mains for West Roxbury high service . . . . .	22,700 00	
Mains for new high service works . . . . .	19,000 00	
Mains to Long, Thompson's, and Gallop's islands, etc. . . . .	151,275 23	
Mains to Deer island . . . . .	66,024 93	
Mains for fire service . . . . .	74,840 80	
24 and 30 inch mains to Charlestown and East Boston . . . . .	31,191 42	
Other mains and services . . . . .	158,925 88	
	<hr/>	6,315,273 15
		<hr/>
		9,406,891 01
		<hr/>
Total cost of distributing-reservoirs and distribution . . . . .		\$13,691,823 12
		<hr/>

SUMMARY OF COST OF SUDBURY AND COCHITUATE  
WORKS.

## Cochituate supply :

Lake Cochituate . . . . .	\$291,838	35
Compensating reservoirs . . . . .	66,859	80
Land and water damages . . . . .	248,827	34
Engineering expenses to January 1, 1852 . . . . .	40,000	00
Cochituate aqueduct . . . . .	1,068,425	24
		\$1,715,950 73

## Sudbury supply :

Reservoir No. 1 . . . . .	\$257,143	81
“ “ 2 . . . . .	465,954	11
“ “ 3 . . . . .	419,402	72
“ “ 4 . . . . .	813,846	38
“ “ 5, to date . . . . .	279,818	86
“ “ 6 . . . . .	910,301	18
Whitehall pond . . . . .	294,515	94
Cedar swamp . . . . .	14,695	21
Work about Farm pond . . . . .	17,297	94
Roadway in Framingham . . . . .	23,947	32
Land damages, not otherwise specified . . . . .	340,696	38
Water damages . . . . .	558,890	64
Temporary connection with Lake Cochituate . . . . .	75,611	73
Investigations of Shawshine and Charles rivers, etc. . . . .	27,646	59
Protection of supplies . . . . .	177,514	39
Engineering and engineering expenses . . . . .	300,371	22
Office expenses, travelling, etc., . . . . .	80,594	74
Miscellaneous . . . . .	35,282	93
Conduit and connections at Chestnut-hill reservoir . . . . .	3,082,661	95
		8,176,194 04

## Distributing reservoirs and distribution :

Brookline reservoir . . . . .	\$200,077	21
Beacon-hill “ (net cost) . . . . .	363,533	21
Chestnut-hill “ . . . . .	2,277,042	93
South Boston “ . . . . .	90,908	10
East “ “ . . . . .	66,103	09
Parker-hill “ . . . . .	205,793	81
Fisher-hill “ . . . . .	191,135	35
Roxbury high service . . . . .	103,829	53
Brighton “ “ . . . . .	7,745	00
East Boston high service . . . . .	30,208	12

Carried forward,

	\$3,536,376	35
	\$9,892,144	77

<i>Brought forward,</i>	\$3,536.376	35	\$9,892,144	77
West Roxbury high service . . . . .	22,346	56		
Chestnut-hill pumping-station . . . . .	485,086	26		
Jamaica-pond aqueduct . . . . .	88,417	20		
Pipe-yards and buildings . . . . .	94,832	16		
Engineering expenses . . . . .	57,873	58		
Distribution . . . . .	9,406,891	01		
			13,691,823	12
Total cost of Sudbury and Cochituate works . . . . .	\$23,583,967	89		
Cost of Mystic works to February 1, 1895 :				
Land damages . . . . .			\$91,855	38
Dam . . . . .	\$17,167	26		
Grubbing at lake . . . . .	9,393	26		
Lowering Mystic river . . . . .	3,012	06		
			29,572	58
Conduit . . . . .			129,714	30
Engine-house . . . . .	\$69,840	42		
Engine . . . . .	161,499	55		
			231,339	97
Reservoir . . . . .			141,856	26
Distribution . . . . .			872,258	55
Buildings . . . . .			18,603	05
Engineering, inspection, and salaries . . . . .			53,216	27
Mystic-Valley sewer . . . . .			83,608	70
Miscellaneous . . . . .			24,446	88
Total cost of Mystic works . . . . .	\$1,676,471	94		
Total cost of combined supplies . . . . .	\$25,260,439	83		
Changes have been made in the construction account of the Cochituate works on the books of the department, to make the total correspond after February 1, 1895, as shown by the following statement :				
Cost of construction to February 1, 1895, as per book account . . . . .			<sup>1</sup> \$23,724,109	09
Add cost of new dam at Lake Cochituate, paid for from revenue . . . . .			33,436	49
			23,757,545	58
Deduct cost of temporary pumping plant at Lake Cochituate (now abandoned, and which was not properly chargeable to construction) . . . . .	\$23,577	69		
Credit by sale of Beacon-hill reservoir lot . . . . .	<sup>2</sup> 150,000	00		
			173,577	69
Cost of Sudbury and Cochituate works (as above),	\$23,583,967	89		

<sup>1</sup> In statement of cost on page 2 the cost of the Mystic works (\$1,676,471.94) is included.

<sup>2</sup> This money was used for municipal purposes, and was not credited to water-works.

The outstanding Water Loans on this date, February 1, 1895, are as follows:

Loans.		Date of Maturity.	Amount.
6	per cent. Currency,	Due Dec., 1897 . . .	\$500,000 00
6	" " "	" June, 1898 . . .	450,000 00
6	" " "	" Oct., 1898 . . .	540,000 00
6	" " "	" April, 1899 . . .	250,000 00
6	" " "	" Jan., 1901 . . .	625,000 00
6	" " "	" April, 1901 . . .	688,000 00
6	" " "	" July, 1901 . . .	330,000 00
6	" " "	" July, 1902 . . .	100,000 00
5	" " Sterling Loan, (£399,500),	" Oct., 1902 . . .	1,947,273 98
6	" " Currency,	" April, 1903 . . .	905,000 00
6	" " "	" Jan., 1904 . . .	8,000 00
6	" " "	" April, 1904 . . .	38,000 00
6	" " "	" Jan., 1905 . . .	161,000 00
6	" " "	" April, 1905 . . .	142,700 00
6	" " "	" July, 1905 . . .	44,000 00
6	" " "	" Oct., 1905 . . .	6,000 00
5	" " Gold Loan,	" Oct., 1905 . . .	1,000,000 00
6	" " Currency,	" Jan., 1906 . . .	82,550 00
6	" " "	" April, 1906 . . .	8,750 00
5	" " Gold Loan,	" April, 1906 . . .	552,000 00
5	" " "	" Oct., 1906 . . .	2,000,000 00
6	" " Currency,	" Oct., 1906 . . .	4,000 00
6	" " "	" Jan., 1907 . . .	8,000 00
6	" " "	" April, 1907 . . .	5,000 00
6	" " "	" July, 1907 . . .	1,000 00
5	" " Currency Loan,	" Oct., 1907 . . .	1,000 00
5	" " "	" April, 1908 . . .	12,000 00
4	" " "	" April, 1908 . . .	588,000 00
4	" " Loan,	" July, 1909 . . .	82,000 00
4 <sup>1</sup> / <sub>2</sub>	" " "	" Oct., 1909 . . .	268,000 00
4	" " "	" April, 1910 . . .	280,000 00
4	" " "	" April, 1912 . . .	324,000 00
4	" " "	" July, 1913 . . .	111,000 00
4	" " "	" Oct., 1913 . . .	336,000 00
4	" " "	" Jan., 1914 . . .	466,000 00
4	" " "	" April, 1914 . . .	18,500 00
4	" " "	" Oct., 1914 . . .	16,000 00
4	" " "	" Jan., 1915 . . .	50,000 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" April, 1915 . . .	50,000 00
4	" " "	" April, 1915 . . .	145,700 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" Oct., 1915 . . .	50,000 00
4	" " "	" Oct., 1915 . . .	23,000 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" Jan., 1916 . . .	100,000 00
4	" " "	" Jan., 1916 . . .	58,000 00
4	" " "	" April, 1916 . . .	128,500 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" July, 1916 . . .	75,000 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" Oct., 1916 . . .	25,000 00
4	" " "	" Oct., 1916 . . .	286,300 00
4	" " "	" Jan., 1917 . . .	21,000 00
3	" " "	" April, 1917 . . .	200,000 00
3 <sup>1</sup> / <sub>2</sub>	" " "	" April, 1917 . . .	275,000 00
4	" " "	" April, 1917 . . .	161,000 00

Carried forward . . . . .

\$14,547,273 98

Loans.		Date of Maturity.	Amount.
<i>Brought forward,</i>			\$14,547,273 98
4	per cent. Loan,	Due July, 1917	7,000 00
4	" " "	" Oct., 1917	160,700 00
4	" " "	" Jan., 1918	20,000 00
4	" " "	" April, 1918	6,300 00
3 $\frac{1}{2}$	" " "	" July, 1918	100,000 00
4	" " "	" Oct., 1918	100,000 00
4	" " "	" April, 1919	200,000 00
3 $\frac{1}{2}$	" " "	" Oct., 1919	145,000 00
4	" " "	" Oct., 1919	300,000 00
3 $\frac{1}{2}$	" " "	" Nov., 1919	130,000 00
3 $\frac{1}{2}$	" " "	" Jan., 1920	220,000 00
4	" " "	" Oct., 1920	384,000 00
4	" " "	" April, 1921	100,000 00
4	" " "	" Oct., 1921	162,500 00
4	" " "	" Jan., 1922	100,000 00
4	" " "	" April, 1922	75,000 00
4	" " "	" Oct., 1922	283,000 00
4	" " "	" Oct., 1923	576,275 00
4	" " "	" Oct., 1924	144,225 00
Total			\$17,761,273 98

SUMMARY.

3	per cent. Loans,	\$200,000 00
3 $\frac{1}{2}$	" " "	1,170,000 00
4	" " "	5,714,000 00
4 $\frac{1}{2}$	" " "	268,000 00
5	" " Currency Loans,	13,000 00
5	" " Gold "	3,552,000 00
5	" " Sterling "	1,947,273 98
6	" " Loans,	4,897,000 00
Total		\$17,761,273 98

## Cochituate Water Debt, Gross and Net,

At the Close of Each Fiscal Year.

Fiscal Year.	Gross Debt.	Sinking-Funds.	Net Debt.
1847-48....	\$2,129,056 32 <sup>1</sup>	.....	\$2,129,056 32
1848-49....	3,787,328 98	.....	3,787,328 98
1849-50....	4,463,205 56	.....	4,463,205 56
1850-51....	4,955,613 51	.....	4,955,613 51
1851-52....	5,209,223 26	.....	5,209,223 26
1852-53....	5,972,976 11	.....	5,972,976 11
1853-54....	5,432,261 11	.....	5,432,261 11
1854-55....	5,403,961 11	.....	5,403,961 11
1855-56....	5,230,961 11	.....	5,230,961 11
1856-57....	5,031,961 11	.....	5,031,961 11
1857-58....	4,724,961 11	.....	4,724,961 11
1858-59....	4,754,461 11	.....	4,754,461 11
1859-60....	3,846,211 11	.....	3,846,211 11
1860-61....	3,455,211 11	.....	3,455,211 11
1861-62....	3,012,711 11	.....	3,012,711 11
1862-63....	2,992,711 11	.....	2,992,711 11
1863-64....	2,992,711 11	.....	2,992,711 11
1864-65....	2,942,711 11	.....	2,942,711 11
1865-66....	3,152,711 11	.....	3,152,711 11
1866-67....	3,370,711 11	.....	3,370,711 11
1867-68....	3,867,711 11	.....	3,867,711 11
1868-69....	5,107,711 11	.....	5,107,711 11
1869-70....	5,731,711 11	.....	5,731,711 11
1870-71....	6,482,711 11	\$1,100,000 00	5,382,711 11
1871-72....	6,812,711 11	1,185,049 67	5,627,661 44
1872-73....	6,912,711 11	1,268,234 97	5,644,476 14
1873-74....	7,863,711 11	1,372,953 62	6,490,757 49
1874-75....	8,123,711 11	1,533,890 28	6,589,820 83
1875-76....	9,735,711 11	1,560,917 83	8,174,793 28
1876-77....	11,548,711 11	1,709,492 60	9,839,218 51
1877-78....	11,545,273 98	2,043,764 73	9 501,509 25
1878-79....	11,753,273 98	2,143,847 85	9,609,426 13
1879-80....	11,697,273 98	1,771,692 92	9,925,581 06
1880-81....	11,631,273 98	1,989,300 83	9,641,973 10
1881-82....	11,631,273 98	2,281,857 89	9,349,416 09
1882-83....	11,955,273 98	2,607,768 46	9,347,505 52
1883-84....	12,882,273 98	2,746,505 58	10,135,768 40
1884-85....	13,045,473 98	3,106,323 82	9,939,150 16
1885-86....	13,491,473 98	3,385,201 26	10,106,272 72
1886-87....	14,142,273 98	3,947,616 92	10,194,657 06
1887-88....	14,741,273 98	4,373,304 09	10,367,969 89
1888-89....	14,941,273 98	4,864,092 54	10,077,181 44
1889-90....	15,696,273 98	5,440,819 47	10,255,454 51
1890-91....	16,267,773 98	5,979,297 80	10,288,476 18
1891-92....	16,423,773 98	6,471,545 34	9,952,228 64
1892-93....	16,758,773 98	7,019,058 38	9,739,715 60
1893-94....	17,055,273 98	7,649,504 87	9,405,769 11
1894-95....	17,761,273 98	8,444,773 55	9,316,500 43

<sup>1</sup> No account taken of amounts borrowed temporarily from 1846 to 1852 and afterwards funded by the issue of the water bonds that figure in this statement.

Mystic Water Debt, Gross and Net,  
At the Close of Each Fiscal Year.

Fiscal Year.	Gross Debt.	Sinking-Funds.	Net Debt.	Surplus.
1862-63 <sup>1</sup> .....	\$100,000 00	.....	\$100,000 00	
1863-64.....	308,000 00	.....	308,000 00	
1864-65.....	583,000 00	.....	583,000 00	
1865-66.....	641,000 00	.....	641,000 00	
1866-67.....	958,000 00	.....	958,000 00	
1867-68.....	1,020,000 00	.....	1,020,000 00	
1868-69.....	1,022,000 00	.....	1,022,000 00	
1869-70.....	1,022,000 00	.....	1,022,000 00	
1870-71.....	1,172,000 00	.....	1,172,000 00	
1871-72.....	1,357,000 00	\$18,151 55	1,338,848 45	
1872-73.....	1,364,000 00	77,768 46	1,286,231 54	
1873-74 <sup>2</sup> .....	1,403,000 00	186,655 21	1,216,344 79	
1874-75.....	1,280,000 00	138,228 76	1,141,771 24	
1875-76.....	1,318,000 00	45,616 62	1,272,383 38	
1876-77.....	1,228,000 00	96,701 18	1,131,298 82	
1877-78.....	1,228,000 00	175,831 79	1,052,168 21	
1878-79.....	1,153,000 00	252,380 48	900,619 52	
1879-80.....	1,153,000 00	318,137 06	834,862 94	
1880-81.....	1,153,000 00	366,898 39	786,101 61	
1881-82.....	1,127,000 00	468,225 12	658,774 88	
1882-83.....	1,027,000 00	506,705 12	520,294 88	
1883-84.....	840,000 00	330,540 15	509,459 85	
1884-85.....	839,000 00	444,453 69	394,546 31	
1885-86.....	839,000 00	521,541 93	317,458 07	
1886-87.....	839,000 00	603,555 62	235,444 30	
1887-88.....	839,000 00	666,965 00	172,035 00	
1888-89.....	839,000 00	715,811 53	123,188 48	
1889-90.....	839,000 00	767,306 65	71,693 36	
1890-91.....	690,000 00	680,929 44	9,070 57	
1891-92.....	482,000 00	550,208 70	.....	\$68,208 70
1892-93.....	441,000 00	579,254 01	.....	138,254 01
1893-94.....	102,000 00	265,210 26	.....	163,210 26
1894-95.....	.....	.....	.....	<sup>3</sup> 166,894 12

<sup>1</sup> The fiscal year of the city of Charlestown began March 1 and ended February 28.

<sup>2</sup> To April 30, Charle-town annexed to Boston January 5, 1874.

<sup>3</sup> Transferred to Cochituate Water Sinking-Fund.

Cochituate Water Sinking-Fund Receipts

[SINCE THE ESTABLISHMENT OF THE BOARD OF SINKING-FUND COMMISSIONERS IN 1871.]

YEAR.	From Tax Levy or City Income.	Interest on Investments.	Interest on Bank Deposits.	Water-Rates, etc.	Premiums on Loans.	Other Sources.	TOTALS.
1871, April 30, received from Committee on Reduction of Debt.....	\$1,100,000 00						\$1,100,000 00
1871-72.....	14,325 90	\$61,000 00	\$349 67				85,049 67
1872-73.....	9,375 00	1,017 80	1,017 80				80,155 30
1873-74.....	30,090 00	76,799 60	2,072 65				108,962 25
1874-75.....	75,973 28	82,842 25	2,121 13				160,936 66
1875-76.....	65,554 00	85,470 00	3,617 55			\$386 00	155,027 55
1876-77.....	234,814 00	86,245 66	4,119 47	\$26,480 18		915 46	352,574 77
1877-78.....	Taxes, 214,500 00	85,830 85	10,809 31	27,099 92			338,240 08
1878-79.....	Taxes, 207,456 00	93,264 49	6,181 26	177,195 91		9,874 21	493,971 87
1879-80.....		90,472 42	5,687 62	214,707 24		4,411 64	315,278 92
1880-81.....		86,460 00	167 32	195,668 90		1,762 04	284,038 26
1881-82.....		96,546 35	2,767 90	193,840 36		494 08	293,648 69
1882-83.....		105,129 51	8,486 33	216,581 72		1,241 04	331,438 60
1883-84.....	Taxes, 973 00	138,120 90	2,268 22				141,362 12
1884-85.....		143,049 45	7,510 40	209,258 39			359,818 24
1885-86.....		156,694 01	5,804 31	120,129 12		442 27	283,069 71
1886-87.....	Taxes, 75,496 00	181,264 89	2,644 70	297,928 95		5,081 12	562,415 66
1887-88.....		199,883 90	4,178 16	221,620 11			425 682 17
1888-89.....		213,048 22	8,958 69	256,013 57	\$11 552 50		489,572 98
1889-90.....		228,009 83	11,730 60	300,903 00	36,092 50		576,724 93
1890-91.....		229,509 17	29,763 94	242,675 22	36,530 00		538,478 33
1891-92.....		175,808 33	22,560 16	275,014 05		78,865 00	552 247 54
1892-93.....		260,506 20	30,148 34	240,435 00	16,413 50		547,503 04
1893-94.....		298,224 44	18,133 03	299,467 27	14,621 75		630,446 49
1894-95.....		312,332 05	18,524 22	297,518 29		9,894 12	638,268 68
	\$2,037,556 28	\$3,556,641 02	\$209,622 78	\$3,812,537 20	\$115,210 25	\$113,366 98	\$9,844,934 51



DETAILED EXPENDITURES UNDER THE SEVERAL APPROPRIATIONS.

FEBRUARY DRAFT, 1894, TO FEBRUARY DRAFT, 1895.

*Extension of Mains, etc. (from Revenue).*

Labor . . . . .	\$94,725 97.	
Teaming . . . . .	6,597 93	
Blasting . . . . .	5,921 52	
Water-pipes, contracts (including inspection, \$1,787.49) . . . . .	115,431 07	
Stock . . . . .	35,255 68	
Miscellaneous . . . . .	5,179 50	
	<hr/>	\$263,111 67

*Additional Supply of Water (from Loans).*

(Account of Basin No. 6, Whitehall pond, Cedar swamp, Protection of Supply, and Basin No. 5.)

Salaries and labor . . . . .	\$31,372 71	
Materials . . . . .	9,791 44	
Contract, pipes and specials for Dam No. 5 . . . . .	4,326 12	
Contract, two roads, in Framingham and Southboro' . . . . .	12,670 63	
Contract, stripping shallow flowage, and two roads, Section A, Basin 5 (on account) . . . . .	13,254 98	
Contract, Dam 5 (on account) . . . . .	88,439 39	
Contract, riprap and paving on Dam No. 6, balance (total, \$14,018.19),	6,822 96	
Engineering and supplies . . . . .	23,485 17	
Land damages . . . . .	416,440 81	
Teaming . . . . .	3,351 38	
Travelling expenses . . . . .	1,429 84	
Printing, stationery, and advertising . . . . .	577 41	
Miscellaneous . . . . .	7,137 93	
	<hr/>	\$619,100 77

(Account of High Service.)

Labor . . . . .	\$6,805 75	
Materials . . . . .	10,968 95	
<sup>1</sup> Contract, additional pumping-engine No. 3 (on account) . . . . .	15,000 00	
	<hr/>	\$32,774 70
<i>Carried forward,</i>		\$619,100 77

<sup>1</sup> Payment of \$25,000 also made on this contract from appropriation for High Services.

<i>Brought forward,</i>	\$32,774 70	\$619,100 77
Contract, addition to pumping-station (on account) . . . . .	2,097 25	
Settlement of Worthington pump con- tract suit . . . . .	45,907 52	
Miscellaneous . . . . .	745 32	
	<hr/>	\$81,524 79
		<hr/> <hr/>
		\$700,625 56

*High Service (from Loans).*

Account of High-service Pumping- engine No. 3, for Chestnut Hill, viz. :		
<sup>1</sup> Contract for engine (on account) . .	\$25,000 00	
Contract for Belpaire boiler . . . .	10,490 00	
Contract for addition to pumping-sta- tion (on account) . . . . .	1,500 00	
Work by contractors for pumping-en- gine outside of contract . . . . .	1,749 99	
Work and materials in connection with boiler foundations, etc. . . . .	1,243 67	
Inspection . . . . .	1,632 74	
Valves, iron and steel, etc. . . . .	662 04	
Freight on boiler and materials . . .	333 38	
Labor, new force-main from Chestnut Hill to Fisher Hill Reservoir . . . .	5,804 87	
Miscellaneous . . . . .	106 20	
	<hr/>	\$48,524 89
		<hr/> <hr/>

## MAINTENANCE ACCOUNTS, COCHITUATE SYSTEM.

(FROM REVENUE )

FEBRUARY DRAFT, 1894, TO FEBRUARY DRAFT, 1895.

*Boston Water Board:*

Salaries of two Commissioners, Chief Clerk and Secretary, Executive Clerk, Purchasing Agent, two Assistant Clerks, Messenger, and Special Agent . . . . .	\$16,896 97	
Travelling expenses . . . . .	3,109 83	
Printing and stationery . . . . .	537 30	
Advertising, postage, and miscella- neous . . . . .	4,026 58	
	<hr/>	\$24,570 68
		<hr/> <hr/>
<i>Carried forward,</i>		\$24,570 68

<sup>1</sup> Payment of \$15,000 also made on this contract from appropriation for Additional Supply of Water.

<i>Brought forward,</i>		\$24,570 68
<i>Eastern Division:</i>		
Salaries of Superintendent, Assistant Superintendents, Clerks, and Fore- men . . . . .	\$15,928 47	
Travelling expenses and transportation of men . . . . .	1,256 39	
Printing and stationery . . . . .	428 49	
Miscellaneous . . . . .	57 02	
	<hr/>	17,670 37
<i>Western Division:</i>		
Salaries of Superintendent, Assistant Superintendent, and Clerks . . . . .	\$27,648 23	
Travelling expenses . . . . .	655 33	
Printing and stationery . . . . .	345 47	
Miscellaneous . . . . .	253 71	
	<hr/>	28,902 74
Engineering . . . . .		2,465 05
New meters, and setting . . . . .		13,664 33
Meters, repairing . . . . .		19,736 78
Machine-shop, Albany street . . . . .		8,586 10
Telephones . . . . .		1,780 65
Cochituate Aqueduct . . . . .		2,136 19
Sudbury Aqueduct . . . . .		11,455 71
Main-pipe relaying (including stock and labor)		15,605 33
“ repairing “ “ “ “ . . . . .		18,458 36
Hydrants “ “ “ “ “ . . . . .		20,755 38
Stopcocks “ “ “ “ “ . . . . .		4,957 41
Hydrant and stopcock boxes, and repairing (includ- ing stock and labor) . . . . .		4,880 31
Tools and repairing (including stock and labor) . . . . .		9,029 14
Streets “ “ “ “ “ . . . . .		6,522 88
Fountains “ “ “ “ “ . . . . .		3,198 59
Stables “ “ “ “ “ . . . . .		20,488 82
Waste-detection . . . . .		27,197 33
Basins, Framingham and Ashland (including stock and labor) . . . . .		5,854 56
Service-pipe repairing (including stock and labor) . . . . .		23,297 63
Protection of Sudbury and Cochituate supply . . . . .		1,265 45
High service, Chestnut Hill (including fuel, salaries, repairs, etc.) . . . . .		26,109 87
High service, East Boston (including fuel, salaries, repairs, etc.) . . . . .		4,372 51
High service, West Roxbury (including fuel, salaries, repairs, etc.) . . . . .		3,379 15
Albany-street yard . . . . .		5,366 49
Chestnut-Hill Reservoir (including stable, care of grounds, etc.) . . . . .		12,493 87
Parker-Hill Reservoir . . . . .		2,218 78
Brookline Reservoir . . . . .		1,156 47
	<hr/>	
<i>Carried forward,</i>		\$347,576 93

<i>Brought forward,</i>	\$347,576 93
East Boston and South Boston Reservoirs . . . . .	1,806 04
Fisher-Hill Reservoir . . . . .	2,619 64
Lake Cochituate . . . . .	5,996 68
Chestnut-Hill driveway . . . . .	12,188 38
Taxes . . . . .	2,400 81
Damages . . . . .	2,379 53
Analyses of water, etc. . . . .	280 00
Merchandise sold (pipes and castings, in cases of emergency), and stock charged off, which was used on additional supply work . . . . .	969 94
Filtration . . . . .	4,647 69
Biological Laboratory . . . . .	1,275 75
Natick filters . . . . .	12,113 67
	<hr/>
	\$394,255 06

## MAINTENANCE ACCOUNTS, MYSTIC SYSTEM.

(FROM REVENUE.)

FEBRUARY DRAFT, 1894, TO FEBRUARY DRAFT, 1895.

### *Boston Water Board:*

Salaries of one Commissioner and one Assistant Clerk . . . . .	\$5,788 92	
Printing and stationery . . . . .	115 92	
Advertising, postage, travelling ex- penses and miscellaneous . . . . .	1,152 90	
	<hr/>	\$7,057 74

### *Superintendent's Department:*

Salaries of Superintendent, Assistant Superintendent, and Clerk . . . . .	\$5,747 71	
Printing and stationery . . . . .	187 34	
Travelling expenses . . . . .	480 50	
Miscellaneous . . . . .	98 60	
	<hr/>	6,514 15
Engineer's Department . . . . .		3,210 50
Meters, repairing . . . . .		3,706 13
Off and on water (labor) . . . . .		2,736 61
Main-pipe laying (including stock and labor)		316 29
"    repairing    "    "    "    "		1,007 86
Service-pipe laying "    "    "    "		1,228 22
"    repairing    "    "    "    "		1,759 42
Hydrants, repairing "    "    "    "		1,570 19
Gates "    "    "    "		844 91
Streets, repairing "    "    "    "		502 25
Lake . . . . .		19,131 98
Conduit . . . . .		862 15

*Carried forward,*

\$50,448 40

<i>Brought forward,</i>	\$50,448 40
New meters, and setting . . . . .	848 50
Stables . . . . .	5,358 54
Reservoir . . . . .	5,273 12
Pumping service (salaries, wages, fuel, repairs, etc.),	34,280 34
Repair-shop . . . . .	2,566 68
Fountains . . . . .	772 31
Tools and repairing . . . . .	504 29
Mystic Sewer (repairs, and pumping and treatment of sewage) . . . . .	19,016 75
Waste-detection Service . . . . .	8,555 51
Protection of water sources (including salaries of three Special Agents on Pollution) . . . . .	5,802 75
Analyses of water . . . . .	30 00
Filtration . . . . .	439 49
New Pumping-engine No. 4 (on account) . . . . .	7,183 32
Damages . . . . .	125 00
Miscellaneous . . . . .	241 17
	<hr/>
	<b>\$141,446 17</b>
	<hr/> <hr/>

**Contracts Made and Pending during Year commencing February 1, 1894, and ending January 31, 1895.**

*Contracts marked thus (\*) are completed. Amounts marked thus (†) are for extra work.*

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1894.	Total.
1892. { June 8, Mod'fid { Aug. 1,	N. F. Palmer, Jr., & Co.	High-service Pumping-engine No. 3 . . . . .	\$124,000 2,500 \$121,500	\$64,431 72	\$40,000 00	\$104,431 72
Sept. 29,	{ Lamprey Boiler Furnace { Mouth Protector Co. . . . .	{ Attachment to boilers at pumping-stations { 6 months' trial free of expense to city . . . . .	\$90 per boiler, if iron } if \$105 " " " " } brass } accepted.			
1893. * Mar. 6,	Osgood & Hart . . . . .	Iron and service box castings . . . . .	1 19-20 cents per pound . . . . .	9,241 48	3,412 74	12,654 22
* " 6,	Granular Metal Company, { Composition, No. 1 . . . . . " " 2 . . . . . " " 3 . . . . .	Brass castings {	17½ cents " " " 16 " " " 14 " " "	3,388 15	1,688 67	5,076 82
* Mar. 6,	Daniel Doherty . . . . .	Teaming pipes, etc., for year ending March 15, 1894.	{ \$0.70 per ton, 2½ miles . . . . . { \$1.20 " " over 2½ miles . . . . .	1,970 09	807 86	2,777 95
* Apr. 15,	Atlantic Works . . . . .	Belpaire boiler for Pumping-engine No. 3 . . . . .	\$10,612.33 f. o. b. cars . . . . .		10,490 00	10,490 00
July 27,	Moulton & O'Mahoney . . . . .	Building Dam No. 5, Southboro' . . . . .	{ \$454,729.90 paved . . . . . { \$446,829.90 ripped . . . . .		88,439 39	88,439 39
* Sept. 19,	John Berry . . . . .	Laying paving and riprap on Dam No. 6 . . . . .	\$14,145.91 . . . . .	7,195 23	6,822 96	14,018 19
* Dec. 26,	Thomas Prosser & Son . . . . .	Steel forgings for the Mystic Pumping-Station . . . . .	\$2,065.15 . . . . .		1,973 51	1,973 51
* " 23,	Curran & Burton . . . . .	{ 1,000 tons Pocahontas coal, delivered in bins at the { Mystic Pumping-Station . . . . .	\$4.32½ per ton of 2,240 lbs. . . . .		4,324 98	4,324 98
" 30,	George F. Blake Manf. Co. . . . .	Mystic Pumping-engine No. 4 . . . . .	\$38,950.00.			

Date	Contractor	Description of Work	Unit	Rate	Total	Remarks
*Jan. 12	John W. Bowers	Blasting, Calumet street, Roxbury.	\$4.00 per cubic yard	35 20	35 20	
		{ 15 tons 4-in. B pipe, $\frac{1290}{60}$ } Tons 16-in. A pipe. { 700 " 6-in. B " $\frac{160}{500}$ } " 16-in. B "				
*Feb. 1,	R. D. Wood & Co.	{ 450 " 8-in. B " $\frac{1230}{500}$ } " 20-in. A " { 320 " 10-in. B " $\frac{1125}{100}$ } " 24-in. A " { 420 " 12-in. A " $\frac{1160}{1,050}$ } " 30-in. A " { 500 " 12-in. B " } 70 tons special castings. { 100 " special castings }	{ Additional quantities ordered July 24, 1894, under "20 per cent. increase clause" in contract, see amounts marked thus (†). \$22.45 per ton \$50,000.	114,482 09	114,482 09	
* " 14,	Town of Southborough	Discontinuance and changes of certain roads, to allow of construction of Basin No. 5.	\$50,000.	50,000 00	50,000 00	
*Mar. 5,	Josiah H. Long	{ 3 - 36-in. stopcocks { 9 - 30-in. " { 2 - 24-in. " { 4 - 20-in. "	\$353.83 each \$267.31 " \$151.26 " \$132.23 "	4,298 72	4,298 72	
" 7,	Osgood & Hart	Iron and service box castings	1 65-100 cents per lb.	5,250 23	5,250 23	
Mar. 7,	Granular Metal Co.	Brass castings, composition No. 1.	14½ cents per lb.	2,385 68	2,385 68	
" 7,	Charles E. Howe	Teaming water-pipes, etc., for one year	{ 12½ " " " { 11½ " " " { 64 cents per ton, 2½ miles over 2½ miles. } { \$1.08 " " " }	3,693 00	3,693 00	
*April 6,	Martin F. Kelley	Blasting, Geneva avenue, Dorchester.	\$2.64 per cubic yard	213 31	213 31	
* " 20,	Dennis Lyons	" Calumet street, Roxbury	\$2.60 " "	150 00	150 00	
*May 3,	James Mc Donald	" Sheridan "	\$3.85 " "	13 26	13 26	
* " 10,	"	" Holborn "	\$3.20 " "	21 18	21 18	
* " 18,	McNeal Pipe and Foundry Company	{ 85 tons 48-in. pipe { 56 " 48-in. specials for Dam No. 5.	\$21.15 " ton \$41.90 " "	12 48	12 48	
* " 18,	Thomas Burke	Blasting, Rockville street, Dorchester	\$3.47 " cubic yard	4,326 12	4,326 12	
* " 19,	James Mc Donald	" Freeman "	\$3.25 " "	166 91	166 91	
				32 18	32 18	

1894.  
\*Jan. 12

Contracts Made and Pending during the Year. — *Concluded.*

DATE.	CONTRACTORS.	WORK.	AMOUNT.	PAID ON CONTRACT.		
				Previous Years.	Year 1894.	Total.
1894.						
May 28,	N. F. Palmer, Jr., & Co.	{ 36-in. straight pipe for connection of Chestnut-Hill pumping engine with force main, etc. . . . . }	\$330.00 . . . . .	\$330 00	\$330 00	\$330 00
*June 6,	Dennis Lyons . . . . .	Blasting, Notre Dame street, Roxbury . . . . .	\$2.80 per cubic yard . . . . .	89 04	89 04	89 04
* " 7,	Berry Bros. . . . .	Two roads in Framingham and Southboro' . . . . .	\$12,242.75 . . . . .	12,670 63	12,670 63	12,670 63
* " 19,	Martin F. Kelley . . . . .	Blasting, Oakridge street, Dorchester . . . . .	\$2.84 per cubic yard . . . . .	98 83	98 83	98 83
* " 21,	R. D. Wood & Co. . . . .	58 pipes and specials . . . . .	\$21.00 per ton . . . . .	1,978 45	1,978 45	1,978 45
* " 22,	Stephen Brennan . . . . .	Extension to Chestnut-Hill Pumping-station . . . . .	\$3,578.00 . . . . .	3,597 25	3,597 25	3,597 25
*July 2,	James McDonald . . . . .	Blasting, Park lane, West Roxbury . . . . .	\$2.54 per cubic yard . . . . .	122 43	122 43	122 43
* " 11,	Martin J. Connolly . . . . .	" LaGrange street, West Roxbury . . . . .	\$2.95 " " . . . . .	10 62	10 62	10 62
* " 13,	Garfield & Proctor Coal Co.	2,000 tons coal for Mystic Pumping-station . . . . .	\$4.00 " ton . . . . .	8,267 11	8,267 11	8,267 11
* " 13,	Thomas & Co. . . . .	800 tons coal for Chestnut-Hill Pumping-station . . . . .	\$4.27 " " . . . . .	2,547 13	2,547 13	2,547 13
* " 17,	Thomas Burke . . . . .	Blasting, Rock street, Roxbury . . . . .	\$2.63 " cubic yard . . . . .	136 76	136 76	136 76
* " 18,	" " . . . . .	" Clive street, West Roxbury . . . . .	\$2.38 " " . . . . .	65 45	65 45	65 45
* " 21,	Thomas & Co. . . . .	{ Trimming coal in bins, Chestnut-Hill Pumping-sta- tion, coal under their contract of July 13, 1894. }	25 cents per ton . . . . .	149 13	149 13	149 13
* " 24,	Martin F. Kelley . . . . .	Blasting, Seaver street, Roxbury . . . . .	\$3.74 per cubic yard . . . . .	1,527 04	1,527 04	1,527 04
*Aug. 2,	James McDonald . . . . .	" Strathmore road, Brighton . . . . .	\$2.48 " " . . . . .	90 77	90 77	90 77
* " 14,	" " . . . . .	" Glenway street, Dorchester . . . . .	\$2.34 " " . . . . .	127 53	127 53	127 53



1894.									
* Aug. 16,	Thomas Burke . . . . .	Blasting, Clive street, West Roxbury . . . . .	\$6.00 per cubic yard . . . . .	. . . . .	. . . . .	31 80	31 80		
* " 20,	James McDonald . . . . .	" Cherokee street, Roxbury . . . . .	\$5.15 " " . . . . .	. . . . .	. . . . .	68 99	68 99		
* " 20,	" " . . . . .	" Montview street, West Roxbury . . . . .	\$3.64 " " . . . . .	. . . . .	. . . . .	5 46	5 46		
* " 27,	Auguste Saucier . . . . .	Section A, Basin No. 5 . . . . .	\$52,018.50 . . . . .	. . . . .	. . . . .	13,254 98	13,254 98		
* " 28,	James McDonald . . . . .	Blasting, Paul Gore street, West Roxbury . . . . .	\$6.25 per cubic yard . . . . .	. . . . .	. . . . .	16 25	16 25		
* Sept. 4,	Thomas Burke . . . . .	" Payson avenue, Dorchester . . . . .	\$3.99 " " . . . . .	. . . . .	. . . . .	86 98	86 98		
* " 12,	R. D. Wood & Co. . . . .	60 tons 6-in. Ward joint pipes . . . . .	Ordered closed 1 4.10 cents per lb. f. o. b. cars at Boston . . . . . 38—6-in. 12½ ft. pipes = 22,028 lbs.	. . . . .	. . . . .	308 36	308 36		
* " 29,	Thomas Burke . . . . .	Blasting, Moreland street, Roxbury . . . . .	\$2.49 per cubic yard . . . . .	. . . . .	. . . . .	63 99	63 99		
* Oct. 1,	Dennis Lyons . . . . .	" Woodlawn street, West Roxbury . . . . .	\$2.93 " " . . . . .	. . . . .	. . . . .	247 29	247 29		
* " 13,	Martin F. Kelley . . . . .	" Whiting street, " " . . . . .	\$2.84 " " . . . . .	. . . . .	. . . . .	128 37	128 37		
* " 18,	" " . . . . .	" Seaver street, " " . . . . .	\$4.00 " " . . . . .	. . . . .	. . . . .	132 80	132 80		
" 30,	Mack & Moore . . . . .	Addition to Mystic Pumping-Station . . . . .	\$10,000.00 . . . . .	. . . . .	. . . . .	3,000 00	3,000 00		
* Nov. 5,	Thomas Burke . . . . .	Blasting, Stanmore place, Roxbury . . . . .	\$2.98 per cubic yard . . . . .	. . . . .	. . . . .	282 80	282 80		
* " 7,	Martin F. Kelley . . . . .	" Humboldt avenue, " . . . . .	\$5.50 " " . . . . .	. . . . .	. . . . .	63 25	63 25		
* " 14,	Dennis Lyons . . . . .	" Weld Hill street, West Roxbury . . . . .	\$3.18 " " . . . . .	. . . . .	. . . . .	19 72	19 72		
" 26,	George F. Blake Manu- facturing Co. . . . .	{ Changes in hand rail stanchions at Mystic Pumping- Station to adapt them for electric lighting . . . . .	{ \$125.00.	. . . . .	. . . . .				
Dec. 24,	Martin F. Kelley . . . . .	Blasting, Robeson street, West Roxbury . . . . .	\$5.95 per cubic yard . . . . .	. . . . .	. . . . .				
" 26,	" " . . . . .	" Townsend street, Roxbury (for hydrant) . . . . .	\$9.00 " " . . . . .	. . . . .	. . . . .				
1895.									
Jan. 28,	David Sturtevant & Co. . . . .	{ 800 tons George's Creek Cumberland coal, Barton Mine, in bins at the Chestnut-Hill Pumping-Station,	{ \$4.27 " ton, 2,240 lbs.	. . . . .	. . . . .				

## CONCLUSION.

We annex hereto appendices, in which will be found the reports of the several Superintendents and the City Engineer, showing more in detail the condition of the works and what has been accomplished. They are as follows :

*Appendix A.* — Western Division.

*Appendix B.* — Eastern Division.

*Appendix C.* — Mystic Division.

*Appendix D.* — Report of Engineer.

Respectfully submitted,

THOMAS F. DOHERTY,

JOHN W. LEIGHTON,

CHARLES W. SMITH,

*Boston Water Board.*

## GENERAL STATISTICS.

SUDBURY AND COCHITUATE WORKS.	1892.	1893.	1894.
Daily average consumption in gallons .....	41,312,400	47,453,200	46,560,000
Daily average consumption in gallons per inhabitant....	96.1	107.5	99.8
Daily average amount used through meters, gallons ....	11,225,900	11,651,600	11,170,400
Percentage of total consumption metered....	27.2	24.5	24.0
Number of services .....	65,074	66,586	68,556
Number of meters and motors....	4,412	4,585	4,877
Length of supply and distributing mains, in miles.....	536	560	572.8
Number of fire-hydrants in use... ..	5,793	6,042	6,217
Yearly revenue from water-rates.....	\$1,433,413 78	\$1,637,531 94	\$1,644,405 25
Yearly revenue from metered water.....	\$649,672 31	\$683,948 52	\$672,474 17
Percentage of total revenue from metered water .....	45.3	41.8	40.9
Cost of works on February 1, 1895.....	\$22,243,351 56	\$22,727,456 03	\$23,583,967 89
Yearly expense of maintenance .....	\$392,762 21	\$433,408 18	\$440,840 63
<b>MYSTIC WORKS.</b>			
Daily average consumption in gallons .....	9,810,800	10,742,500	10,282,100
Daily average consumption in gallons per inhabitant ...	78.8	84.4	87.6
Daily average amount used through meters, gallons....	1,862,200	1,921,570	2,014,000
Percentage of total consumption metered....	19.0	17.9	19.6
Number of services .....	21,588	22,398	23,257
Number of meters and motors.....	550	482	515
Length of supply and distributing mains, in miles.....	160	165	173.7
Number of fire-hydrants in use... ..	1,223	1,306	1,446
Yearly revenue from water-rates.....	\$394,008 75	\$421,573 48	\$447,554 35
Yearly revenue from metered water.....	\$105,685 56	\$109,367 37	\$115,811 32
Percentage of total revenue from metered water .....	26.8	25.9	25.9
Cost of works on February 1, 1895.....	\$1,713,227 00	\$1,721,609 33	* \$1,676,471 94
Yearly expense of maintenance .....	\$129,354 49	\$160,643 97	\$156,214 05

\* \$52,637.00 credited on account of sale of portion of Mystic Sewer.



## APPENDIX A.

REPORT OF THE RESIDENT ENGINEER AND  
SUPERINTENDENT OF THE WESTERN DIVI-  
SION.

SOUTH FRAMINGHAM, January 1, 1895.

THOMAS F. DOHERTY, Esq.,  
*Chairman Boston Water Board:*SIR: The annual report for the Western Division of the  
Boston Water-Works is submitted herewith:

## SUDBURY-RIVER BASINS.

*Water-shed, 75.2 Square Miles.*

The rainfall for 1894 was 40.3 inches at Framingham, and 38.2 at Chestnut-Hill Reservoir. The mean rainfall on the Sudbury-river water-shed was 40.58 inches, which is about 7.4 inches less than the average. With so small a rainfall, the city would have been short of water had it not been for the storage in Basin 6, the new basin just completed. This reservoir was nearly filled during the winter and spring of 1894, and its addition to the supply enabled us to meet the demands of the city.

Preparations were made early in the year for the construction of Basin 5, which was described in my last report. As this involved the taking of upwards of 2,000 acres of land in a populous neighborhood, the work necessitated many surveys, plans, and negotiations with different authorities, notably the selectmen and a special committee of citizens from Southboro' and the County Commissioners of Worcester and Middlesex counties.

In accordance with an agreement finally reached and ratified by the Legislature, complete descriptions and plans of all the property to be taken, covering 151 sheets of legal cap and comprising 228 separate parcels of land, were filed on April 2 and April 30, 1894.

A contract had been previously made, July 27, 1893, with Moulton & O'Mahoney for the building of the dam, for \$454,729.90.

Owing to the length of time occupied in the negotiations,

the execution of the above contract was delayed, but on April 10, 1894, the contractors began stripping the site of the dam. This work was prosecuted with vigor during the year, and \$86,250.71 have been expended thus far on the contract. In March it became evident that the scheme for supplying the Metropolitan district from the Nashua river would receive favorable action from the State Board of Health, and the plans of the dam were modified so as to embrace three outlet pipes of 48-in. diameters, instead of two as originally contemplated. This change was made to permit a larger quantity of water to be drawn for the supply of the Metropolitan area than would be necessary for Boston alone. The amended plans were approved by the County Commissioners on April 25. The modification of this contract involves an extra expense to the city, estimated at \$21,154.34. It is expected that this amount will be refunded to the city, together with other extra expenses, whenever the scheme is carried out by the State. On February 14, \$50,000 were paid to Southboro' for the discontinuance of several miles of highway in that town, and to enable the town to build new roads in other places.

On May 18 a contract was made with the McNeal Pipe and Foundry Company for the outlet pipes for \$4,326.12 — \$21.15 per ton for the 48-inch pipes and \$41.90 per ton for the specials. During the early summer plans and specifications were prepared for Section A, stripping, shallow flowage, and the building of two roads at the Sawins Mill end of the basin.

The following table shows the bids for this work :

CANVASS OF BIDS, AUGUST 23, 1894.

BIDDER AND ADDRESS.	ITEMS AND ESTIMATED QUANTITIES.							TOTALS.
	a 212,000 cubic yds. Earth Excava- tion.	b 650 cubic yards Stone Masonry.	c 122 cub. yds. Par- ting in Mortar.	d 109 cubic yards Concrete.	e 1,900 square yds. Dry Paving.	f 1,670 cubic yards Riprap.	g 120 rods stone wall.	
Auguste Saucier, South Framingham . . . . .	\$0 19 $\frac{7}{8}$	\$7 00	\$5 25	\$6 00	\$0 85	\$1 20	\$3 50	\$52,018 50
Berry Bros., Fayville . . .	0 21 $\frac{1}{2}$	8 00	3 00	5 00	0 75	1 00	3 00	55,146 00
Chas. McDermott, Brockton . . . . .	0 23	12 00	5 00	6 00	0 60	1 50	3 00	61,829 00
Thos. F. Maney, Boston . .	0 27 $\frac{1}{2}$	9 32	7 75	6 00	0 87 $\frac{1}{2}$	1 50	3 00	70,485 00
Moulton & O'Mahoney, Boston . . . . .	0 27	12 00	6 00	7 00	1 25	3 00	5 00	74,520 00
Connors & Co., Lowell . . .	0 27 $\frac{1}{2}$	11 86	8 50	7 50	2 65	1 50	1 75	75,260 17
Newell & Snowling, Uxbridge . . . . .	0 29	11 00	8 00	8 00	1 00	2 00	4 00	76,198 00
H. S. Tuttle, Swampscott . .	0 29 $\frac{1}{2}$	10 00	6 50	6 50	0 80	3 00	1 50	77,251 50
Neil McBride, Boston . . .	0 28	12 00	7 00	6 00	1 50	4 00	4 00	78,678 00
Davis & Newell, Boston . .	0 35 $\frac{1}{2}$	10 50	5 50	7 00	0 45	1 50	3 25	93,308 00
R. A. Malone & Son, Boston . . . . .	0 40	10 00	8 00	5 00	0 75	1 00	2 00	96,156 00
Wm. H. Mague, W. Newton . . . . .	0 45	10 00	6 00	8 00	0 85	1 80	3 00	108,485 00
H. P. Nawn, Boston . . . .	0 67	13 00	7 00	7 50	2 00	4 00	25 00	165,641 50

The contract for the work was let to Auguste Saucier, for \$52,018.50. Thus far only \$11,285.14 have been expended on account of this contract, owing to unexpected delays. The takings of a portion of the lands of the Burnetts', and of the Deerfoot Farm Company, were made in such a way that the land, after being filled, was to be restored to the original owners, the city reserving simply a narrow strip in the centre of the takings. An injunction was brought, by the parties interested, to prevent the city working on the land where the easement only was taken; and this injunction has not been dissolved.

In May, plans and specifications were drawn for the building of two roads, in Framingham and Southboro', to replace a road running across the site of the new dam. Advertisements were issued for proposals, and the following bids received:

## CANVASS OF BIDS, JUNE 4, 1894.

BIDDER AND ADDRESS.	ITEMS AND ESTIMATED QUANTITIES.							TOTALS.
	a	b	c	d	e	f	g	
	22,100 cubic yards Earth Excavation.	100 cub. yds. Rock Excavation.	360 cub. yds. Split-Stone Masonry in Mortar.	440 cub. yds. Dry Rubble Masonry.	136 cub. yds. Paving in Mortar.	43 cub. yds. Concrete.	800 rods Stone Wall.	
Berry Bros., Fayville . . . . .	\$0 19	\$1 25	\$7 25	\$3 75	\$3 50	\$4 25	\$3 75	\$12,242 75
W. L. McDermott, Brockton,	0 27	1 50	9 00	3 48	5 00	6 00	3 00	14,226 20
Auguste Saucier, South Framingham . . . . .	0 22½	2 00	9 50	3 50	6 00	5 00	4 90	15,083 50
Quimby & Ferguson, South Boston . . . . .	0 37	2 00	9 00	5 00	5 50	5 00	3 40	17,500 00
John McBride, Boston . . . . .	0 29	1 40	9 17	5 50	9 17	4 75	4 95	17,681 57
McCusker Bros. & Co., Waltham . . . . .	0 30	1 75	10 00	4 00	5 00	6 00	4 50	18,863 00
Gennaro, Long, & Little, So. Braintree . . . . .	0 29	1 50	9 50	4 50	5 00	6 00	7 50	18,897 00
Newell & Snawling, Uxbridge . . . . .	0 40	2 00	13 00	6 00	8 00	6 00	2 00	19,306 00
O'Connor, White, & Quinn, Beverly . . . . .	1 00	2 33	10 00	4 50	5 50	6 00	8 00	35,759 00

The contract was awarded on June 7 to Berry Brothers for \$12,242.75. This work was completed by the end of the year, and cost \$12,670.63. It was designated as "a portion of proposed Framingham-Marlboro' road," and "proposed road to F. S. Hawkins." The first named extends from the present Framingham road, near the house of N. F. Brewer, a distance of 4,229 feet, and the second road is a branch of the first, extending from a point 1,300 feet easterly from Stony brook to the present highway near the house of F. S. Hawkins, a distance of 3,567 feet.

The above contracts embrace all the work that has been undertaken during the year in connection with the proposed basin. Many engineering problems have, however, been studied and surveys made preparatory to next season's work. It is highly desirable that a large part of the construction should be undertaken at once. Many expenses will be saved, such as police duty, etc., and the bottom could be flowed in the spring of 1896, which would enable us to gain a whole year in time.



Before the dam was begun deep borings were made to determine the position of the bed-rock in the foundation and its nature. It was known from these borings that the rock was extremely rotten in places, and much broken by seams of slate, etc. When the foundations were opened, however, and excavation begun, it was thought best to go much deeper than the original plan contemplated.

Every precaution has been taken to go as deep and to excavate the soft rock as widely as practicable. The rubble laid in the trench was of unusually good character, thoroughly imbedded in cement, and most carefully and conscientiously inspected.

In September a few cases of typhoid fever developed at the dam, and soon spread with something of the nature of an epidemic. As its origin seemed mysterious, Prof. Wm. T. Sedgwick was asked to make an investigation. He found the source of the fever to be in some cheap milk sold in Marlboro'. A sanitary system of inspection was established at once, and vigorous efforts made to keep the disease from spreading. For this or other reasons we had the satisfaction of seeing the epidemic die away gradually.

No unusual growths of algæ have occurred this year in the sources of supply, but the color of the water in the city taps has been .57 at Park square, and .51 at Mattapan, on the average. [Platinum scale.] Last year it was .55 and .50 at the same places, showing a slight increase. The consumption of water has been less this year than last year, and other things being equal the color should have been less, on account of the fact that all the water sent to the city beyond a certain fixed amount received from Cochituate lake, is made up from the higher-colored Sudbury. Accurate color determinations have enabled us to trace the cause to the general higher color of the Sudbury water this year, and also that we have been unable to draw from Basin 3, during the epidemic of typhoid at the head-waters of that basin.

During the latter part of the year a large amount of land was bonded in Cedar swamp for the proposed drainage scheme, and there is now no reason why this work should not be undertaken during the coming season.

When the Framingham sewerage system was constructed a few years ago, an underdrain was built under the sewer. This underdrain served the purpose of carrying off the soil water which found its way into the trenches during construction. The authorities of Framingham kept this underdrain open and discharged it into Beaver Dam brook for several years after the completion of the system. It served the valuable purpose to the town of lowering the water tables and

keeping the cellars dry. Boston, however, took the ground that this underdrain was a constant menace to the purity of the waters of Beaver Dam brook, a feeder of Lake Cochituate. Analyses of the water were made at stated intervals, and a close watch maintained on the condition of the effluent. Boston also refused to pay the \$25,000 which it had agreed to subscribe towards the Framingham sewerage scheme as long as the underdrain was maintained. A number of studies were made to determine how the matter could be settled. All differences between the city and town were adjusted in December by an agreement on the part of the town to adopt the recommendation of the city and construct some filter beds not far from the sewage pumping-station upon which the underdrain water could be discharged. Boston pays \$6,000 more, or \$31,000 altogether, when the plans are carried out, and it is expected that the work will be done early in the coming summer. The amount of water to be pumped from the underdrain was measured for a long time over a weir, and found to average 160,000 gallons daily. Three final projects were submitted to the town for the disposal of this water: No. 1, by pumping on to filter beds situated on the south-west side of the hill near the pumping-station; No. 2, by pumping to filter beds on the north-east side of the hill; and No. 3, by mixing the underdrain water with the sewage and pumping it altogether to the present sewage fields outside of the water-shed. The estimated cost of these schemes was \$7,430 for No. 1, \$10,402 for No. 2, and \$7,025 for No. 3.

### *Basin 1.*

*Grades, H. W., 161.00; Tops of Flash-boards, 159.29 and 158.41; Crest of Dam, 157.54. Area, Water Surface, 143 acres; Greatest Depth, 14 ft.; Contents, below 161.00, 376,900,000; below 159.29, 288,400,000 gals.*

On January 1, 1894, this basin stood at elevation 155.55, and remained at about this height until January 29, when it gradually fell to 154.90, February 14. On February 23 water was wasting over the stone crest, and continued to waste till April 3.

On April 4, when both sets of flash-boards were placed on the dam, the basin was at 157.34; but it soon rose; and on April 7 water was wasting over the flash-boards, and continued to waste till April 10, when the waste-gates were opened, to lower the basin, so as to remove flash-boards. On April 12 waste over the stone crest began, and continued until May 7, when both sets of flash-boards were again placed in position. From May 26 to June 14 water flowed over the flash-boards. The basin fell to 157.32, October 25; and then rose to 157.70, November 8, when, both

sets of flash-boards being removed, waste over the stone crest began, and continued until December 3. The basin fell to 156.52 on December 5, and was kept at about elevation 156.50 until December 14, when it rose, and, on December 16 water was wasting over the stone crest.

The highest elevation reached during the year was 159.62, May 29; and the lowest, 154.90, February 14.

Water was drawn wholly from this basin for the supply of the city, from 7 A.M., January 1, to 1 P.M., March 15; and from 11 A.M., December 3, to the end of the year.

The supply was drawn partially from this basin and partially from Basin 2, from 3 P.M., October 30, to 3 P.M., October 31; and partially from this basin and partially from Basins 2 and 3, from 1 P.M., March 15, to 11 A.M., April 10.

If the work of improving the shallow flowage of this basin is to be undertaken this year, it will be necessary to make a topographical survey of the basin at once.

### *Basin 2.*

*Grades, H. W., 168.00; Tops of Flash-boards, 167.12 and 166.49; Crest of Dam, 165.87. Area, Water Surface, 134 acres; Greatest Depth, 17 ft.; Contents, below 168.00, 568,300,000; below 167.12, 529,860,000 gals.*

January 1, 1894, the water in this basin was at elevation 160.17; but it fell to 159.15, January 15. It then rose to 160.00, January 18; and kept between 160.00 and 161.00 until February 10, when it rose slightly, and remained at about 161.50 until February 19. A rapid rise then ensued, and on February 22 water was flowing over the stone crest, and continued to overflow until April 4, when both sets of flash-boards were placed in position. On February 6 water began to overflow the flash-boards, and so continued until February 12, when both sets of flash-boards were removed. Waste over the stone crest continued till May 7, when both sets of flash-boards were again placed in position. On May 25 water commenced to waste over the flash-boards, and so continued until June 5, when an extra set of flash-boards was placed on the regular flash-boards. The basin then rose a little on June 5; but then fell to 160.06, July 17, when the flow of water from Basin 4 was started, and the basin rose to 162.02, August 1. From August 1 to December 1 there was a gradual rise each month between the following levels:

In August, from 161.66 to 162.70; in September, from 162.33 to 163.10; in October, from 162.94 to 164.36; and in November, from 163.34 to 165.17.

During the above-mentioned months water was drawn the

larger part of the time, — first from Basin 4, and afterwards from Basin 6, — to keep Basin 2 moderately full; and also, when not needed for that purpose, to keep the elevation of the basin from fluctuating during the experiments at the siphon pipes. On December 1 the basin stood at grade 164.55; and then fell to 163.94, on December 3, when it began to rise; and on December 15 water flowed over the stone crest, and continued to overflow until the end of the year.

Both sets of flash-boards were placed in position on April 4; removed on April 12; and again placed in position on May 7. On June 5 an extra set of flash-boards was placed on the regular ones; but all flash-boards were finally removed on July 27.

The highest elevation of the basin reached during the year was 167.36, on June 6; and the lowest, 159.15, on January 15.

Water for the supply of the city was drawn wholly from this basin from 11 A.M., May 19, to 11 A.M., May 21; from 11 A.M., June 11, to 11 A.M., June 20; from 7 A.M., July 18, to 3 A.M., August 24; from 7 A.M., August 25, to 3 P.M., September 7; from 3 P.M., September 10, to 3 P.M., October 30; from 1 P.M., November 2, to 12 M., November 17; from 3 P.M., November 21, to 1.20 P.M., November 22; and from 3 P.M., November 27, to 3 P.M., December 1.

Water was drawn partially from this basin and partially from Basin 1, from 3 P.M., October 30, to 3 P.M., October 31; partially from this basin and partially from Basin 3, from 11 A.M., April 10, to 11 A.M., May 19; from 11 A.M., May 21, to 2 P.M., May 23; from 11.30 A.M., May 26, to 7 A.M., June 1; from 2 P.M., June 4, to 11 A.M., June 11; from 11 A.M., June 20, to 7 A.M., July 11; from 3 A.M., August 24, to 7 A.M., August 25; from 3 P.M., September 7, to 3 P.M., September 10; from 12 M., November 17, to 7 A.M., November 20; from 3 P.M., November 23, to 3 P.M., November 27; and from 3 P.M., December 1, to 11 A.M., December 3; and partially from the basin, and partially from Basins 1 and 3, from 1 P.M., March 15, to 11 A.M., April 10.

In the spring, Fountain-street bridge was entirely replanked, as both the bottom and top floors were found to be in need of renewal. This was the first time that the bottom floor was renewed, though the top floor had been partially renewed several times before. The bottom floor was 3-in. hard-pine, and the top 2-in. spruce. In the autumn, the windows in the gate-house, at Dam 2, were repaired, and

the frames and sashes painted on both sides. The windows had not been touched before since the house was built. All of the woodwork in the house, except the floor and ceiling, was varnished.

All forms of animal and vegetable life have been unusually low during 1894. In September diatoms appeared in small quantities. Chlorophyceæ and Cyanophyceæ were present occasionally from June to October. Infusoria were found in small numbers in the spring and fall and occasionally during the summer. The mean number of organisms in standard units was 42 per c.c., and the mean amorphous matter 332 per c.c.

The mean mid-depth temperature of the water during the year was 52.8° Fahrenheit, based on weekly observations.

The mean color was .89, new standard [platinum].

### *Basin 3.*

*Grades, H.W., 177.00; Crest of Dam (no flash-boards), 175.24.  
Area at 177.00, 253 acres; Contents, below 177.00, 1,224,500,000 gals.  
Area at 175.24, 248 acres; Contents, below 175.24, 1,081,500,000 gals.  
Greatest depth, 21 feet.*

On January 1, 1894, the water in this basin stood at elevation 168.53, but it gradually rose, and on February 21 was flowing over the stone crest, and continued to overflow until May 8, with the exception of a short time on April 3 and 4. The water now fell to 174.18 on May 12, but soon rose again, and on May 23 was flowing over the stone crest, and overflowed until June 6. The water then receded to 168.41, July 19, 20, and 21, when it gradually rose to 170.46 on August 6. The water now remained between 170.00 and 172.00 until October 26, when it rose rapidly, and on November 8 was flowing over the stone crest, and continued to overflow until December 4. It receded to 174.81 on November 6, remained nearly stationary until December 13, then rose rapidly, and on December 14 was flowing over stone crest, and overflowed until the end of the year.

The highest elevation reached was 176.14 on March 7, and the lowest 168.41 on July 19, 20, and 21.

Water for the supply of the city was drawn wholly from this basin from 2 P.M., May 23, to 11.30 A.M., May 26; from 7 A.M., June 1, to 2 P.M., June 4; and from 7 A.M., November 20, to 3 P.M., November 21. Water was drawn partially from this basin and partially from Basins 1 and 2 from 1 P.M., March 15, to 11 A.M., April 10; partially from this basin and partially from Basin 2, on dates already given under the head of Basin 2.

Almost no water was drawn from this basin during the

summer on account of the epidemic of typhoid fever in Marlboro' and at Dam 5.

Diatoms were present in the spring and fall. The spring growth was slight and of short duration. The maximum occurred April 23, when there were 200 per c.c., chiefly *Tabellaria*. The fall growth began in October, after the water had been stirred up by some very high winds. The maximum growth was attained in November, when there were about 700 per c.c. *Asterionella* and *Tabellaria* were most abundant and were about equal in number. *Stephanodiscus* was present in October for the first time in Basin 3. Chlorophyceæ were present in small numbers during the summer and fall. Cyanophyceæ did not appear until August. The growth was not as extensive as in former years, but during the last of September, and again in October, *Cœlo-sphærium* was abundant near the gate-house. Infusoria were found in small numbers in the spring and fall.

The average number of standard units of organisms was 220 per c.c., and of amorphous matter 311 per c.c.

The average mid-depth temperature was 52.5° Fahrenheit, and the mean color of the water, platinum standard, 0.77, almost exactly the same as last year.

Although the plans and specifications for the filter basins on the Marlboro' brook were prepared more than a year ago, nothing has yet been done in the way of construction. I recommend that these basins be built as soon as the frost is out of the ground.

The windows in the gate-house have been repaired, as in the case of the other dams already mentioned.

#### *Basin 4.*

*Grades, H. W., 215.21; Tops of Flash-boards, 215.21 and 214.89; Crest of Dam, 214.23. Area, Water Surface, 167 Acres; Greatest Depth, 49 feet; Contents, below 215.21, 1,416,400 Gallons.*

On January 1 the surface of the water in this basin stood at elevation 178.83; but the water gradually rose, and on June 6 was flowing over the flash-boards, both sets of flash-boards having been placed on the stone crest on May 26. This waste continued until July 7, when the water began to fall, reaching 215.14 on July 17, at which time the flow to Basin 2 was started. On September 11 the outlet gate was closed. The water fell from 215.14, July 17, to 185.01, September 12, making about 30 feet in depth drawn out of this basin in less than two months. From September 12 the water gradually rose to 196.10, December 31.

The highest elevation reached during the year was 215.36, on June 27, and the lowest 178.83, on January 1.

In April quite a large number of shrubs were set out near the banks of the outlet brook and the overflow, just below the dam, and in May some pine-trees were planted in front of the out-buildings near the attendant's house.

In the spring the walks were all resurfaced and rolled.

The organisms in this basin have been unusually low. Last year they averaged 87 per c.c.; this year, 23. The amorphous matter averaged last year 397 per c.c.; this year, 220 per c.c.

The temperature at the surface has averaged  $53.2^{\circ}$ ; mid-depth,  $49.4^{\circ}$ ; bottom,  $46.4^{\circ}$ ; and the color at the dam has averaged 0.71, almost exactly the same as last year; and of the influent (regardless of quantity), 1.04.

### *Basin 6.*

*Grades, H. W., 295.00; Top of Flash-boards, 295.00; Crest of Dam, 294.00.  
Estimated Area, 185 Acres; Estimated Contents, 1,530,300,000 Gallons.*

Storage of water in this basin was for the first time begun by closing the outlet gate at 11 A.M., January 10, 1894, but no measurement of the elevation of the surface of the water was taken until 7 A.M., January 12, when it stood at grade 248.91. The water rose rapidly to 288.26, May 1, then slowly to 292.66 on July 1, and remained nearly stationary during July. From August 1 it fell to 292.52 on September 7, at which time one of the outlet gates was opened in order to draw water for the supply of the city. The water now fell to 274.19 on October 31, then rose to 275.28 on November 13, and kept at an average elevation of about 275.25 until November 30, when, the outlet gate being finally closed, the water rose to 278.78 on December 31. The highest elevation reached during the year was 292.75, August 5 and 6.

It will be seen from the above that the water from this basin was used for the first time to supply the city during the autumn. Although the paving was not completed until June 7, the basin was allowed to fill until the surface reached the pavers, and it was only by extra exertions that the contractors succeeded in keeping out of the way of the water. It was fortunate for the city that this basin was completed and filled this year, as there would have been a short supply without this additional storage.

The dam is the most complete and thorough in execution that the city has ever constructed. The leakage has been about 60,000 gallons per day — less than half that of Basin 4. By a series of vertical pipes built into the embankment at different points of its cross section, it has been found that

the water table in the dam does not extend into the embankment below the line of the core wall, and that it percolates easily the fine material placed against the up-stream face of the core, following the rise and fall of the basin with only about 1 foot loss of head. The outside of the embankment was graded and the entire dam completed October 19.

The filter basins below the dam were begun September 20, and one bed partially completed.

The water in Basin 6 contained a slight growth of diatoms in May, and again in September and October, but at no time did they reach 100 per c.c. Chlorophyceæ were present in very small numbers in September and October. Cyanophyceæ were entirely absent from the water. In May and June *Synura* were washed in from the swamp above the basin. Rotifers at that time were also quite abundant. Other infusoria were found in small numbers throughout the summer and fall. *Crenothrix* was abundant near the dam in August. The amorphous matter was generally low, but about the last of September it became quite abundant.

From observations on the color, and from numerous chemical analyses made while the basin was filling for the first time, it is thought that the basin is doing better work in the purification of its influent than Basin 4, but we cannot be surely convinced of this fact until we have had the opportunity to make further investigations. The stripping of the basin was done more thoroughly than in the case of Basin 4.

#### WHITEHALL POND.

*Elevation, H. W., 327.91; Bottom of Gates, 317.78.  
Area at 327.91, 601 acres; Contents, between 327.91 and 317.78, 1,256,900,000 gallons.*

On January 1, 1894, the surface of the water in this pond stood at elevation 324.94, or 2.97 feet below high water. It remained at about this height until March 3, when it rose, reaching 326.20 on April 8. From this date the water remained between 326.20 and 326.82, until June 4, and then fell to 324.35 on September 19, and then fell more rapidly to elevation 322.40 on October 25. The water now rose to elevation 322.59 on October 27, remained about stationary until November 3, rose to elevation 322.72 on November 7, fell to 322.39 on December 7, and finally rose to 323.23 on the 31st.

The highest point reached was 326.82, on June 4, and the lowest, 322.39, on December 7.

No more water than was necessary for the use of Wood Brothers' shoe factory was drawn from the pond during the year with the exception of a short time from August 17 to



August 21, and from September 13 to October 18, when a daily flow of about ten millions was drawn to keep up the supply of water for Basin 2. The outlet gate was closed and no water drawn from the pond from July 1 to July 9, and from December 7 to December 31.

Weir measurements of the waste, both when the gate was open and closed, have been taken as usual during the entire year.

In the spring the scows and dredger which were anchored in the pond were found to be in a bad condition. The wood of the sides and bottom had commenced to decay, and they and the steamer were towed down the pond to the dam and drawn out on the shore. Openings were made in the ends of the scows and dredger to permit the circulation of air through them, and their decks were thoroughly calked and then painted.

#### FARM POND.

*Grades, H. W., 149.25; Low Water, 146.00.  
Area at 149.25, 169 acres; Contents, between 149.25 and 146.00, 165,500,000 gals.*

On January 1, 1894, the water in the pond stood at elevation 148.74, but it rose gradually, and on February 21 had reached high-water mark. From this date the water remained on an average somewhat above high water until June 14, when it gradually fell to 148.17 on September 16. The water stood at about this height until October 25, when it rose to 148.50 on November 6, and reached 148.79 on December 31.

No water was drawn from this pond during the year for the supply of Boston.

The Framingham Water Company has pumped 117,000,000 gallons during the year, an average of 320,548 gallons daily.

The total amount of water wasted was 5,400,000 gallons, all of which was used in cleaning the aqueduct.

#### LAKE COCHITUATE.

*Grades, H. W., 134.36; Invert of Aqueduct, 121.03; Top of Aqueduct, 127.36.  
Area, Water Surface at 134.36, 785 acres.  
Contents, between 134.36 and 127.36, 1,615,180,000; between 134.36 and 125.03, 1,910,280,000 gals.  
Approximate Contents, between 134.36 and 121.03, 2,417,000,000 gals.; between 134.36 and 117.03, 2,907,000,000 gals.*

On January 1, 1894, the lake stood at 127.94, and gradually fell to 127.33 on February 13. From this date the lake began to rise. Between March 13 and June 16 water from the Sudbury river was turned into the lake. On April 26 the surface reached 134.20. It was kept a little above 134.00 with the aid of the Sudbury supply until June 16, when it gradually fell to 126.10 on December 15, and then

rose to 126.30 on December 31. No water has been wasted from the lake at the outlet during the year.

In March 529,100,000 gallons were turned into the lake from the Sudbury sources; in April, 134,100,000; May, 215,800,000; June, 80,700,000; October, 1,100,000; November, 400,000; December, 1,000,000 gallons; or a total amount of 962,200,000 gallons.

Some repairs were made during the autumn to the driveway near the outlet dam, and the embankment of the old dam was taken down to a level a few feet below high-water mark. Nine hundred and twenty-seven square yards of paving were placed on the slopes of the driveway.

The filter beds at Pegan brook have been used the larger part of the time during the year.

The following table shows the total number of gallons of water pumped, the amounts delivered to each bed, etc., for each month of the year:

MONTH, 1894.	No. of Days which Pumps ran.	AMOUNT OF WATER PUMPED.		AMOUNT OF WATER DELIVERED ON TO BEDS.		
		Total for the Month.	Average for each Day Pump run.	No. 1.	No. 2.	No. 3.
		<i>Gallons.</i>	<i>Gallons.</i>	<i>Gallons.</i>	<i>Gallons.</i>	<i>Gallons.</i>
January . . . . .	31	18,655,000	601,800	2,638,000	. . . . .	16,017,000
February . . . . .	25	19,770,000	790,800	3,919,000	. . . . .	15,851,000
March . . . . .	22	17,505,000	795,700	. . . . .	6,708,000	10,797,000
April . . . . .	30	32,364,000	1,078,800	. . . . .	12,211,000	20,153,000
May . . . . .	30	30,472,000	1,015,700	16,075,000	5,427,000	8,970,000
June . . . . .	30	19,258,000	641,900	6,482,000	3,995,000	8,781,000
July . . . . .	15	10,279,000	685,300	. . . . .	10,279,000	. . . . .
August . . . . .	19	5,827,000	306,700	5,036,000	791,000	. . . . .
September . . . . .	10	3,693,000	369,300	1,055,000	2,638,000	. . . . .
October . . . . .	12	6,974,000	581,200	3,733,000	565,000	2,676,000
November . . . . .	18	12,738,000	707,700	. . . . .	. . . . .	12,738,000
December . . . . .	22	14,912,000	677,800	. . . . .	3,392,000	11,520,000
For the Year . . . . .	264	192,447,000	729,000	38,938,000	46,006,000	107,503,000

Total amount of coal used during the year was 180,980 pounds.

Water ran over the overflow in the dam across Pegan brook, during the entire twenty-four hours, on February 19, 20, 22, 23, 24, and 25, and during fourteen hours in the night

on March 3 and 4, and on April 13, 14, 15, 16, 17, 18, 19, and 20. Bed No. 1 was cleaned in June and September; Bed No. 2 was cleaned, and the surface — which was quite uneven — was levelled in August; and Bed No. 3 was cleaned in July and August. Although the water in No. 3 froze during the cold weather in January and February so as to form ice six inches thick, the surface of the bed did not freeze.

On February 22 the embankment of Bed No. 1, directly over No. 2 drain, caved in, and the force main was broken. In consequence of this break, no water could be pumped on to the filter beds until February 26.

About two hundred feet of underdrain were dug up in May, and relaid; and, besides this work, a considerable amount of labor has been expended in putting the filter beds into better condition. We have found no trouble in filtering the whole flow of the brook during the winter. In very severe weather the ice sometimes becomes attached to the bottom of the beds, but the applied water finds its way through holes under the ice, and filters through the sand.

Diatoms appeared as usual in April and November. The spring growth reached its maximum, 700 standard units per c.c., during the later part of May, when *Melosira*, *Asterionella*, and *Tabellaria* were present in about equal numbers. In May *Melosira* and *Asterionella* disappeared, but the *Tabellaria* continued to increase until June, when there were about 450 per c.c. *Stephanodiscus* was present during May and June. Diatoms were absent from the water from July 1 to October 1. *Asterionella* appeared in October and increased gradually to 700 per c.c. on December 12, after which they rapidly declined. *Melosira* and *Stephanodiscus* were present in small numbers during November and December. *Chlorophyceæ* were present in small numbers from June to November. *Cyanophyceæ* were present from June to the end of the year. They were most abundant in September. *Infusoria* were present in the spring and fall, and *Crenothrix* was abundant after the fall turning over. In December the water had a disagreeable taste, caused by the simultaneous presence of *Asterionella*, *Synura*, and *Anabæna* (sterile).

The southern extremity of Lake Cochituate is separated from the lake by what is known as the circular dam. The bottom of this portion of the lake is a bed of peat and mud of considerable depth. In August an examination was made of the condition of the water over the peat. At that time the water was about five feet deep. At the bottom an intensely thick growth of weeds (chiefly *Chara*) was found, which were

covered with a growth of oscillaria and some of the filamentous green alga. Diatoms and desmids were abundant, and infusoria were found in swarms. The effect of this growth of vegetable matter is probably to form a matting which in a measure prevents the stirring up of the mud. It is probable that if the mud was kept in a state of agitation by the wind the effect would be to discolor the water. This was shown by the following laboratory experiment :

A mass of the mud was placed at the bottom of a jar and the jar filled with a practically colorless water, color 0.03. For the first twenty-four hours the water was very turbid. After two days it became quite clear in the upper portion of the jar. This clear water was then siphoned off, filtered through paper, and the color read. It was 0.30.

Color samples taken throughout this portion of the lake did not show any material increase in color from the bottom :

	Color.
No. 1, 200 feet from last culvert on Beaver Dam brook, surface . . . . .	0.44
No. 2, at circular dam, surface . . . . .	0.45
No. 3, 500 feet from circular dam towards Dug pond, surface . . . . .	0.43
No. 4, 500 feet from circular dam towards Dug pond, bottom . . . . .	0.50

Sample No. 4 was somewhat turbid. This could not be removed by filtering, and probably accounts in part at least for the high color.

The following table shows the condition of the feeders of the lake :

**Feeders to Lake Cochituate.**

*Means of Monthly Observations.*

LOCALITY.	Temperature.	Color.	Organisms.	Amorphous.	Bacteria.
Beaver Dam brook, mouth of brook . . . . .	53.9°	0.80	58	286	547
"    "    "    last culvert . . . . .	55.1°	0.79	26	297	563
Course brook . . . . .	52.8°	0.78	57	174	406
Dug pond . . . . .	55.0°	0.19	165	195	259
Circular dam . . . . .	55.6°	0.76	51	212	435
Pegan brook . . . . .	54.0°	0.25	85	1,480	5,039
Snake brook . . . . .	53.7°	0.58	39	973	388

## DUDLEY POND.

*Grades, H. W., 146.46; 18-inch Pipe, 130.36 and 127.36.  
Area, Water Surface, 81 acres; Greatest Depth, 27 feet; Contents, above 130.36,  
250,000,000 gals.*

On January 1, 1894, the pond was at elevation 130.36, or 16.1 below high water. On February 8 the stop-planks were put in at the outlet-chamber, and the water rose slowly to 139.96 on December 31.

In August and September the old gate-chamber was torn down and a new one built. The foundation of the old chamber was a wooden platform laid on about a foot of clay. The masonry of the new chamber was laid on concrete, one foot in depth, placed on a 2-in. spruce platform. It now contains an 18-in. iron valve to control the flow of water from the pond. Grooves have been built in the masonry for stop-planks.

## SUDBURY-RIVER AQUEDUCT.

*Grades, 141,352 at Farm Pond; 124,051 at Terminal Gate-House.  
Length, 15.89 miles; Size, 7 ft. 8 in.  $\times$  9 ft.; Capacity, 109,000,000 gals. 24 hours.*

The three portions of this aqueduct are in good condition. The supply and Farm pond aqueducts were cleaned by machine, February 20. The main aqueduct was cleaned by machine, between Station 46+00 and the West Siphon Chamber, on March 9. The tunnels between Farm pond and the West Siphon Chamber were cleaned by hand, as was also that portion from Farm pond to Station 46+00, and from East Siphon Chamber to Chestnut-Hill Reservoir, on April 5 and 6.

The 48-in. pipes in Basin 1 have been flushed into the river below Dam 1 once during the year. The three portions of the aqueduct have been in use for the same length of time, or 343.7 days, the flow having been stopped except for cleaning, and the experiments at the siphon pipes, on two occasions only, and then for but a few hours.

The amount of water sent to the city has been 11,450,-600,000 gallons, or a daily average of 31,372,000 gallons. Besides the above, 962,200,000 gallons have been run to Lake Cochituate.

New houses were built in the autumn over the manholes at Stations 17 and 59.

On March 1 and 2 the Rockland and Badger Hill tunnels were cleaned, and on March 9 and 10 the westerly portion of the aqueduct was cleaned by machine from Station 46 to the Siphon Chamber. The portion from Station 0 to Station 46 could not be cleaned on account of an accumulation of gas from leaks in the gas mains in South Framingham. This portion was, however, cleaned by hand on April 5 and

8 after the gas difficulty had been overcome. At the same time the lower portion from the Easterly Siphon Chamber to Chestnut-Hill Reservoir was cleaned. The black deposit was less than in the westerly section, and there was no spongilla. In Beacon-street tunnel 8 cubic feet of rock which had fallen from the roof was found at Station 779+52. The concrete lining is in perfect condition.

The channel at Clark's Waste Weir has been repaired. The original masonry below the outlet was founded on sand, and it did not extend low enough to prevent scour. An excavation 3 feet 8 inches in depth was made beneath the side walls and apron, and a layer of broken stone 2 feet 2 inches was rammed into place, and on top of this a layer of concrete 1 foot in thickness was deposited and brought up by careful ramming to the under side of the old masonry. Paving laid in cement was placed on top of the concrete.

The walk on top of Charles-river bridge was resurfaced with two coats of tar on July 16 and 19.

A number of experiments have been made on the flow of water through the Rosemary Siphon pipes with different heads, and after these were completed the northerly pipe was carefully scraped November 12-15. The pipe had been in use about 18 years. It is 48 inches in diameter and 1,800 feet long. The inside surface was about half covered with small tubercles. These were skilfully removed, and care taken not to injure the old tar coating under the tubercles any more than was necessary. The capacity of the pipe was increased about 25 per cent. by the process, and its original condition nearly restored, as far as loss by friction is concerned. It took 4 days with 14 men to do the work of scraping. Two tip-cart loads of iron rust were wheeled out, and the pipe carefully washed and brushed after the scraping. Each man scraped and cleaned 396 feet of surface per day.

Some of the most experienced of the men on the aqueduct force have superintended the loaming and sodding at Dam 6.

The condition of the Waban arches has been the subject of some solicitude on account of the action of frost. Extended observations on these arches have been made, the result of which has led me to believe that the permanency of the masonry is threatened by the freezing of the water at the exposed outlets, and the consequent accumulations of the water inside of the arches, saturating the spandrels until it runs out of the tell-tale pipes. It is not so difficult to provide a proper remedy when a correct diagnosis of the trouble has been reached, and some plan for providing a permanent outlet beyond the reach of frost, for the drainage of the leakage water, will be made during the coming season.

## COCHITUATE AQUEDUCT.

*Grades, 121.03 at Lake; 116.77 at Brookline Reservoir.  
Length, 14.60 miles; Size, 5 ft. X 6 ft. 4 in.; Capacity, 20,000,000 gals. per 24 hours.*

This aqueduct has been in constant service during the year, excepting from 5 P.M., March 18, to 5 A.M., March 22, when the flow was stopped to clean the aqueduct. A depth of  $6\frac{1}{2}$  feet was maintained, except from January 18 to January 30, from February 20 and from October 5 to end of the year, when the lake was not high enough to furnish this flow.

When the aqueduct was cleaned spongilla was found between the lake and Dedman's brook in rather larger quantities than usual.

New rods have been provided for the gates at the Waste Weirs. The old rods have not been renewed since 1848, and were nearly rusted away around and beneath the nuts that held them in place. The new rods are of galvanized iron, 7 feet 8 inches long,  $1\frac{3}{4}$  inches in diameter, with two composition nuts to each rod.

The loam on the site of the new boulevard, Newton Centre, has been removed and stored on the line of the Sudbury aqueduct for future use.

The siphon culverts have been thoroughly cleaned.

On July 26 an accurate system of observations were made on the water flowing in the Cochituate aqueduct to ascertain whether there was any material difference in the color of the water due to the infiltration of ground water or any other cause. The colors were observed from 8 A.M. at the lake to 7.30 P.M. at Chestnut-Hill Reservoir, the idea being to follow the same water as far as practicable in its passage underground. The readings varied from .27 at the lake to .255 at the reservoir, but the slight variations noticed were within the limits of accuracy of the colorimeter, and when compared in Nessler tubes no difference could be detected, so that it may be stated that there is no change in the color of the water in its passage from the lake to the reservoir.

## CHESTNUT-HILL RESERVOIR.

*H. W., 125.00; Dam, 128; Effluent pipes, 99.80.  
Area, Lawrence Basin, 37.5 acres; Contents, 166,000,000 gals.; Bradley Basin, 87.5  
acres; Contents, 391,000,000 gals.  
Total Contents above grade, 100.00, 557,000,000 gals.*

A new 36-in. main was laid from the pumping-station to Fisher-Hill Reservoir during the summer, and in consequence the grounds were much cut up around and in the vicinity of the pumping-station. Permanent connections at two places on this main were made for piezometric obser-

vations, and a large and substantial weir erected at the terminus of the pipe at Fisher-Hill Reservoir, to measure the water flowing from the pumps during duty trials.

It will be necessary to make a direct connection during the present year with the Bradlee basin, from the pumps, on account of the difficulty of keeping up the head in the wells with the present arrangements.

The driveways and walks have been kept in excellent order during the year, and thousands of visitors have enjoyed the quiet and beauty of the grounds.

#### BROOKLINE RESERVOIR.

*H. W., 125.00; Area, 23 acres; Greatest Depth, 24 feet; Contents, 119,583,960 gals.*

Everything in connection with the Brookline Reservoir is in good order. No work other than that pertaining to maintenance has been done on this reservoir during the year.

#### FISHER-HILL RESERVOIR.

*H. W., 241.00; Pipe Inverts, 220.00; Depth, 21 feet; Contents, 15,400,000 gals. above 223.*

This reservoir is in good condition.

#### INSPECTION OF WATER SOURCES.

The following is a digest of the report of Mr. J. S. Concanon, Chief Inspector :

Total number of cases inspected	. . . . .	688
Old cases	. . . . .	669
New cases	. . . . .	19

Of the above, 170 are reported as remedied, 394 safe at present, 45 seem safe, 46 suspected, 33 unsatisfactory. Fifteen legal notices were sent. No legal injunctions were found necessary during the year.

#### BIOLOGICAL LABORATORY.

During the year 1894, 2,475 microscopical examinations of water, 100 examinations of sand, and 2,200 cultures of bacteria, were made at the laboratory.

The following is a list of some of the special studies made during the year :

The color of the water in the different basins and their in-flowing streams, with reference to the seasonal changes.

The study of certain species of bacteria found in the water.



The fermentation tube, and its use in determining the presence of *Coli communis* in the water.

The effect of sunlight on bacteria.

The effect of varying degree of acidity of culture media on bacterial growth.

The microscopical examination of the scum on the surface of sand filters.

The cause of the seasonal distribution of some of the micro-organisms found in the water.

Culture experiments with certain diatoms, with reference to their need of air.

The temperature of the water in the different reservoirs, with special reference to the phenomenon of stagnation.

Attention has frequently been called in the reports of the Western Division for several years past to the various phenomena connected with the period of "stagnation" in Lake Cochituate and other basins or sources of supply. In the seventeenth annual report for 1892, several diagrams were given, showing the temperatures in the lake, every five feet in depth, from April until December. Many years ago the writer thought he had discovered some of the effects of this extraordinary condition of things prevailing during seven months of the year, but he found in some of the very early reports of the department references to the same phenomena, showing that they were in a measure understood soon after the Cochituate works were built. The studies pursued during the past five years have, however, thrown more light on many of the details connected with the changes in the temperature of water, and it may not be out of place to draw up a brief *résumé* of the subject of "stagnation," as it has been observed on the Boston Water-Works.

As far as the temperatures of water in deep ponds are concerned, the year may be divided into three parts. During the winter, that is to say, in December, January, and February, the water at the bottom is warmer than at the surface, it being at about 39.2, the point of maximum density, but varying several degrees from this point, depending upon expanse, depth, and local circumstances. On the breaking up of the ice in March, April, and also during the "great overturning" in November, the water is in complete circulation, and has the same temperature throughout. During the other seven months, April to November, the water is colder at the bottom, and warmer at the surface. This embraces the different conditions; two periods of "stagnation," one short one in the winter, when the surface is colder than the bottom; one long one in the summer, when

the opposite conditions of temperature prevail, and the periods of circulation in April and November.

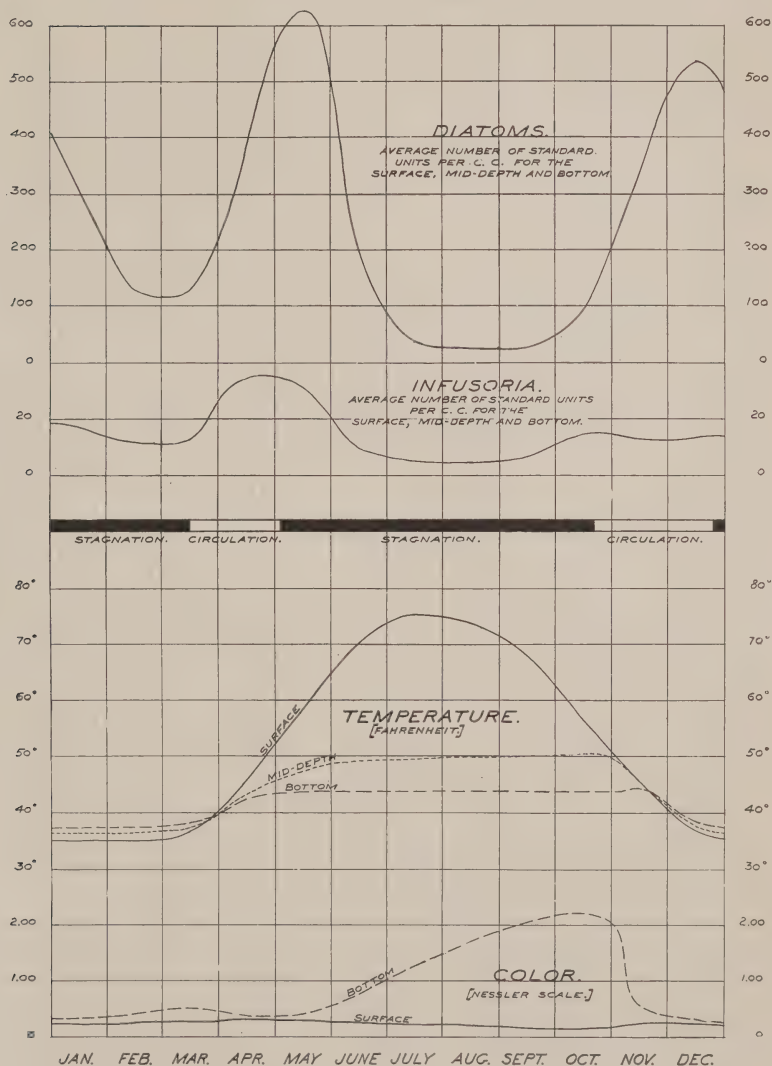
The long period of "stagnation" in the summer is by far the most interesting and important in results. In Lake Cochituate at a depth of sixty feet, when the upper layers begin to grow warmer in the spring, the water is left at the bottom with a temperature of about  $44^{\circ}$ , and at this temperature it remains for more than half the year without any change whatever. If the diagrams already published and alluded to be studied, it will be seen that the effects of the wind are generally not felt below ten feet in depth; that is to say, the upper ten feet are practically of the same temperature in the summer. The effects of heat and of stirring up, finally, by the middle of July bring the temperatures of the fifteen-foot curve nearly to the surface. At twenty feet there is very little effect, the water remaining for three months at that depth about  $15^{\circ}$  cooler than the surface.

In a larger lake it is probable that the effects of the wind are felt much below twenty feet, but it is practically true that in Lake Cochituate the effects of the wind are not felt more than twelve feet from the surface. From twenty to sixty feet there is a steady decrease in temperature, without material variation, to the sixty-foot line, where the temperature maintains a perfectly level line throughout, with hardly a variation of a tenth of a degree.

We will now see what are some of the effects of this phenomenon which we are discussing. The water in the summer may have a temperature as high as  $84^{\circ}$ , observed by the writer, feeling like warm water to the hand when the latter is immersed in it. By sinking a bottle in the same spot to a depth of sixty feet, water at  $43^{\circ}$  — practically ice cold water — may be brought to the surface. But this water at the bottom is not of good quality. While it has been lying in a quiescent condition during the summer, it has been gradually accumulating all the settleings from the water above, so that at the depth of forty feet it may be of the color of lemonade, while at the bottom it is very yellow and full of dirt. The water, too, at these depths is deficient in oxygen, and would not be at all suitable for domestic purposes. The water on the surface, on the contrary, during these whole seven months, is clear, white, sparkling, and in excellent condition for drinking.

As the water cools in the autumn the lake gradually turns completely over, and generally by the middle of November the process has been completed, and the water is of the same temperature from top to bottom — as the bad water comes to the surface it distributes its long summer accu-

RELATION BETWEEN GROWTHS OF DIATOMS AND INFUSORIA  
AND THE PHENOMENON OF  
STAGNATION AND CIRCULATION IN LAKE COCHITUATE,  
1890-1895.





mulations in a most disagreeable manner. To be sure, a large amount of the organic matter is thus oxidized and otherwise destroyed, but while this is going on the diatoms and the infusoria find an abundant amount of food brought within their reach, with plenty of oxygen, and they begin to increase rapidly. The infusoria belong to the animal kingdom, and the diatoms to the vegetable. The number of the latter may, therefore, be very much greater than the former without producing as bad tastes in the water.

The winter period of stagnation to which we have alluded is due to a somewhat different cause. Here, although the water is four or five degrees warmer at the bottom than at the surface, it is nearer the point of maximum density, while the surface is lighter, although colder, being in the neighborhood of the freezing point. The effects of the turning over, however, in the spring, are exactly the same in principle as in November, although not as marked in degree. The diatoms and infusoria increase largely in this period of circulation.

The microscopical examinations which are made weekly in the laboratory of the Western Division show all these various phases perfectly.

No *résumé* of stagnation phenomena would be complete without a reference to the amount of iron contained in the bottom layers. This whole subject of iron in natural waters will be found most fully discussed in the report for 1892 already alluded to. When the dark waters from the bottom are brought to the surface in the summer, they rapidly grow darker, so that the color taken on the first exposure to the light sometimes increases threefold by the time it has been brought into the laboratory for examination. The average of five different determinations made by Mr. Hollis, at my request, between the last of August and the first of November, when the water at the bottom is at its maximum color, showed, during three successive summers, that the water at the bottom, on collection, had a color equal to six times that of water at the surface, and that after exposure the color increased to twenty times that at the surface.

The ferric hydrate in falling from the upper layers to the quiescent layers gives up its oxygen for the further oxidation of the organic matter, and the iron is thus nearly all reduced to the ferrous or colorless form. When drawn to the surface and exposed to oxygen the ferrous changes rapidly to the ferric condition, giving a yellowish appearance to the water.

A study of the degree and consequent effects of the summer stagnation period gives us the means of judging both of the original purity of the water and the condition of the

reservoir in which it is stored. Many engineers are disposed to sneer at the idea of the necessity for removing all the organic matter from the bottom and sides of the valley which is to form a storage basin for a domestic supply. There is a marked difference in the condition of the water below the twenty-foot line in the summer in a properly prepared basin and one that is not treated. In the basins on the Boston Water-Works which have been stripped of loam, stumps, etc., and which have had their shallow flowage removed, the water is comparatively good all the way to the bottom even in October, when the effects of a long period of stagnation are best studied. Oxygen is present, showing that there is not enough organic matter present in a state of decomposition to use up the oxygen; the organisms are few, because there is not sufficient food to support large growths, and the amorphous matter is small in amount. In a sheet of water not so treated, however, we find a very different condition of affairs: there is no oxygen at the bottom, a high color, much organic matter (where decay has been arrested from a lack of oxygen), and a considerable amount of amorphous matter. All of these objectionable characteristics are distributed throughout the whole vertical section on the overturning, in November, resulting in large growths of diatoms and infusoria. It is no wonder that the water occasionally "tastes bad" under these conditions.

The following more detailed description of the diatom and infusoria growths in the Boston reservoirs has been prepared by Mr. G. C. Whipple, assistant in charge of the laboratory work:

*Diatoms*, or, technically, the Diatomaceæ, are minute plants, forming a group of microscopic algæ, remarkable for their siliceous epiderm, and for their variety of form and markings. They are unicellular, though in some genera the cells are united into filaments. The cell contents consist of a membrane, cell sap, nucleus, chromatophore plates, and sometimes oil globules and starch grains. Living diatoms are surrounded by a gelatinous envelope, which, on account of its transparency, can be seen only by adding coloring matter to the surrounding fluid. Of the cell contents biologists are at the present time most interested in the oil globules, because it is being proved that the oils present in the micro-organism are the direct cause of many of the bad tastes and odors of certain drinking-waters.

Of the one hundred and more genera into which the diatoms have been classified, there are not more than twenty that are commonly found in our water-supplies, and only six have, thus far, been found to be of practical importance;

namely, *Asterionella*, *Tabellaria*, *Melosira*, *Synedra*, *Stephanodiscus*, and *Diatoma*. Some of the other genera occasionally met with are *Cyclotella*, *Cymbella*, *Epithemia*, *Fragilaria*, *Gomphonema*, *Meridion*, *Navicula*, *Nitzschia*, *Pleurosigma*, *Schizonema*, *Stauroneis*, and *Surirella*.

The six most important genera are not always observed in the same reservoir. Generally there are certain diatoms peculiar in certain ponds. Lake Cochituate, for instance, often contains large growths of *Asterionella*, *Tabellaria*, and *Melosira*, and smaller growths of *Synedra* and *Stephanodiscus*. Basin No. 3 contains *Asterionella*, *Tabellaria*, and *Synedra*, but no *Stephanodiscus* nor *Melosira*. In Basin No. 2 only *Synedra* and *Cyclotella* are found.

Diatoms appear with considerable regularity each spring and fall, but the genera which appear at any given season are not always the same. If we consider, for example, the spring growths in Lake Cochituate, we find that in 1890 the *Asterionella* first appeared, and that this growth was soon followed by one of *Tabellaria*. In 1891 the growth was chiefly *Asterionella*, *Melosira* appearing about the same time, but not developing to any great extent. In 1892, *Melosira* was the predominant diatom; in 1893, *Melosira* and *Asterionella*; and in 1894, *Tabellaria*, *Asterionella*, and *Melosira*.

A comparison of the microscopical examinations of the different reservoirs of the Boston Water-Works shows that Basins No. 2 and No. 4 never have extensive diatom growths, but that in Basin No. 3 and Lake Cochituate these plants develop regularly in the spring and fall.

There are two periods of the year, each about six weeks long, when the water is in circulation from top to bottom. It is during these periods that the diatoms develop. Microscopical examinations have shown that both in Basin No. 3 and in Lake Cochituate the diatom growths occur soon after stagnation ends. The *Asterionella*, for instance, generally appears about one week after the turning over. It then increases, reaching its maximum growth in from twenty-five to fifty days.

The bottom temperature of Lake Cochituate is considerably lower than the bottom temperature of Basin No. 3 during the summer months, on account of its greater depth; hence its turning over occurs later in the year. This explains why the fall growth of diatoms occurs later in Lake Cochituate.

The examinations of the State Board of Health furnish corroborative evidence that the seasonal distribution of diatoms is controlled by the circulation and stagnation of the

water. This may be seen by comparing the diatom growths in deep and shallow ponds. On the assumption that diatoms grow best immediately after the turning over, we should expect to find in the deep ponds two periods of diatom growth,—one in the spring, following the winter stagnation, and one in the fall, after the summer stagnation. In the case of shallow ponds, however, we should expect to find a spring growth following the winter stagnation, and for the rest of the year a uniform or irregular distribution. This is found to be the case. Of twelve ponds and reservoirs more than 30 feet deep, eleven show a well-defined spring and fall growth, while in one instance the growth was uniformly distributed; and of seventeen ponds and reservoirs less than 30 feet deep, eleven have diatom growths appearing at irregular intervals, but having a slight spring maximum, while four have both a spring and a fall growth.

*Infusoria.*—The water of the Sudbury and Cochituate water-supplies ordinarily contains very few organisms which can properly be classed as animals. Probably 95 per cent. of the total number of micro-organisms found each year are plant forms. Nevertheless, the animal forms are important, because a comparatively small number is sometimes sufficient to make the water very disagreeable, and because they are liable to sudden and extraordinary developments, when, if they increase sufficiently, the water may be rendered entirely unfit for use. The worst tastes which have appeared in the water-supplies of Massachusetts have been caused by growths of infusoria.

Because of the importance of these micro-organisms the following data have been brought together in regard to the infusoria and other animal forms found in the waters of the Boston supply.

The animal micro-organisms usually found in surface waters are ordinarily classified by biologists under the following heads:

Rhizapoda.  
 Infusoria.  
 Rotifera.  
 Crustacea.

A few forms are found which cannot be included in this classification; for instance, the fresh-water sponges, Hydra, certain insect larvæ, and certain worms.

*Hydra vulgaris*, a very interesting animal belonging to the Hydroid Zoöphytes, is often found on the walls of the gate-houses, on the screens, etc. It is of no special interest, however, from a sanitary point of view.



Fresh-water sponge is quite abundant on the walls of the aqueducts. Both *Spongilla* and *Mejenia* have been found. They belong to the Spongidæ, or Porifera, a class of Protozoa. A favorite habitat of the *Spongilla* is on the walls of the Cochituate aqueduct just below the gate-house at the lake. Another place where it is very abundant is in Whitehall pond, where it grows on the old stumps in the shallow flowage. Several genera are found there, and they often grow into masses of considerable size. *Spongilla* also grows to some extent in the city mains. This may be inferred from the fact that at certain seasons the sponge-spicules are found in the samples from the city taps (Park square), while at the same time they are absent from the water as it leaves the reservoirs. At times sponge collects in considerable quantities on the screens at Chestnut-Hill and Brookline Reservoir gate-houses. At present the sponge gives little or no trouble, save for the labor of cleaning it from the walls of the aqueducts; but in 1878 it developed in considerable quantities, and was thought to be the cause of the "cucumber taste" which at that time rendered the water very disagreeable.

Among the vermes may be mentioned *Anguillula fluvialis*, a nematoid worm akin to the vinegar eel. This is sometimes found in stagnant water, and especially in water contaminated by sewage. It is very seldom observed in the Boston reservoirs, and is never seen in the service-pipes, except, perhaps, at some dead end.

#### RHIZOPODA.

The rhizopods are quite unimportant. They are never found in reservoirs in large numbers. In the Boston water they have seldom been observed. One reason for this is the fact that there are but a few genera which are naturally free-swimming. The rhizopods love best to move slowly along in the ooze at the bottom of a pond, or to congregate on the stems and leaves of some aquatic plant. Most of them are quite sluggish in their action. They are contented to remain quietly on some submerged stem or log, and allow their food to be brought to them. Occasionally they are found freely floating in the water. *Amœba*, *Actenophrys*, *Arcella*, *Euglypha*, *Difflugia*, *Trinema* have been observed at different times. *Amœba* may be found at almost any time by scraping the walls and screens of the gate-house.

## ROTIFERA.

The rotifers, or wheel-animalcules, are quite often seen in all of the reservoirs, but never in large numbers. *Anuraea* is the most common one, and several species of it are found. Other genera which have been observed are the following :

- \**Rotifer vulgaris.*
- \**Conochilus.*
- \**Polyarthra.*
- \**Synchaeta.*
- Asplanchna.*
- Triarthra.*
- Mastigocerca.*
- Floscularia.*
- Lacinularia.*
- Brachionus.*

Those which are starred are the most important.

*Conochilus* appears in Basins 2 and 3 during the early part of each summer. It is also frequently present during the periods of the Cyanophyceæ growths in Basin 3, *i.e.*, in August and September. The largest number of rotifers which we have ever seen in a single sample was found in the estuary of Beaver Dam brook, June 30, 1892, when there were eighty *Conochilus* per cubic centimeter. This is equivalent to about 1,600 standard units. The water at that time had quite a strong taste, but as other organisms were present at the same time, the distinctive taste of *Conochilus* could not be determined.

## CRUSTACEA.

Among the Crustacea the *Cyclops* and *Diaptomus*, belonging to the order Copepoda, and the *Daphnia*, *Bosmina*, and *Alona*, of the order Cladocera, are frequently found. They are found at all seasons, but chiefly during the summer months. *Cyclops* in its adult and Nauplius forms is the most important crustacean.

## INFUSORIA.

The most important of the animal forms are the Infusoria. They form a very large group of Protozoa, in which there is found a large number of free-swimming forms.

The infusoria have been carefully studied by Ehrenberg, Stein, Pritchard, and others. W. Saville Kent, in his "Manual of the Infusoria," published in 1880, has given very complete descriptions and a classification of all the known infusoria. At the end of this report will be found a key to

the identification of the infusoria commonly found in the Boston water-supply. It is based on Kent's classification.

Many of the infusorial forms are sedentary. They may be found on the leaves and stalks of water-weeds, and on the fresh-water algæ growing in shallow ponds or along the edges of brooks. These occasionally become detached from their seats, and are found floating in the water. There are others, not sedentary, which find their food only among the fresh-water algæ. They spend their whole life swimming about these plants. They, too, are sometimes found floating in the water. Certain genera, however, are not confined to the shores and shallow waters, but are able to find sustenance in deeper waters. They are the infusoria which cause trouble.

Such infusoria must, obviously, find their food-supply in the water itself, and it naturally follows that they will be most abundant where there is plenty of food for them, and that they will appear at those seasons of the year when their food is most abundant. Comparatively little is known in regard to the food required by the different infusoria; but certain general principles have been laid down to serve as guides.

The infusoria are classed in the animal kingdom. They differ in many respects from the plant micro-organisms with which they are often found. According to Kent, "the primary basis for the distinction between the plants and animals is associated with the phenomena of nutrition. In a general way it may be said that animals have the capacity to ingest solid particles of food, and depend upon such solid food ingestion for their growth and the display of their various vital functions. Plants, on the other hand, are nourished by the absorption of their food in a purely liquid state. Chemically, also, there is a difference between the food of animals and that of plants. Animal forms are absolutely dependent on proteaceous, or ready-manufactured, organic matter for their food-supply; but plants, with a few exceptions, are able to manufacture this substance themselves out of the crude material distributed, in the liquid or gaseous condition, in the fluids which they imbibe."

From the foregoing we may infer that among the conditions necessary for the growth of infusoria one of the most important is a sufficient abundance of very minute particles of organic matter distributed through the water; and to this, experience justifies us in adding a sufficient supply of oxygen. A study of the local and seasonal distribution of the infusoria indicates that these conditions are fulfilled whenever the infusoria develop in large numbers.

## SEASONAL DISTRIBUTION.

The microscopical examination of over 12,000 samples of water from the reservoirs of the Boston water-supply during the past five years has given us an excellent idea of the seasonal distribution of the infusoria in those reservoirs. The results of these examinations have been collated, and a partial summary of them is given in the following table :

**Average Number of Standard Units of Infusoria in a Cubic Centimeter of Water during each Month of the Year.**

	Lake Cochituate.	Basin 2.	Basin 3.	Basin 4.	Average.
January . . . . .	17.4	4.2	15.6	2.6	10.0
February . . . . .	12.0	9.2	6.0	1.6	7.2
March . . . . .	12.6	4.2	5.2	2.6	6.2
April . . . . .	35.0	12.6	23.4	14.4	21.4
May . . . . .	31.6	17.4	18.0	1.8	17.2
June . . . . .	9.8	10.6	8.0	1.2	7.4
July . . . . .	5.4	10.6	5.4	2.4	6.0
August . . . . .	4.2	8.4	12.0	5.0	7.4
September . . . . .	6.4	6.4	20.6	5.4	9.7
October . . . . .	14.6	22.2	24.4	5.4	16.7
November . . . . .	13.0	12.8	57.2	1.2	21.1
December . . . . .	14.0	11.8	34.5	0.4	15.2
Mean . . . . .	14.7	10.9	19.2	3.7	12.1

In the reservoirs mentioned in the table the samples were collected each week from the surface, mid-depth, and bottom. The results are expressed in Number of Standard Units (one standard unit equals 400 square microns) per c.c., and the figures indicate the average numbers for each month of the year. Each figure represents the average of about seventy-five samples.

An inspection of curves plotted from the table shows that there are two well-defined maxima, one in April and the other in November. In the summer the growth is much lower, but yet is of some importance. During the winter infusoria are also found, and usually just under the ice, where the oxygen is most abundant. There is a striking contrast

between the Boston Water-Works curve and those given by Mr. G. N. Calkins and by Prof. S. W. Williston, the former for the water-supplies of Massachusetts, based on the examination of 912 samples from 26 supplies during three years, and the latter for the water-supplies of Connecticut, based on the examination of about 300 samples from 12 supplies of the State during a period of two years.

The Massachusetts curve differs from the Boston curve at all points of inflection. It has two maxima, — a major maximum in February and a minor maximum in July. The lowest point on the Massachusetts curve is found in November, when the Boston curve is at one of its maxima. The Connecticut curve agrees with the Massachusetts curve in having a February maximum, and with the Boston curve in having a November maximum. The reason for the differences between these curves is that both the Massachusetts and Connecticut curves are based on results obtained from a large number of water-supplies differing greatly in their character.

That fact also accounts for the irregularity of those curves. Some supplies have immense growths of infusoria in the winter, others in the summer; and these excessive growths in a few supplies control the shape of the curves, regardless of the smaller numbers which may be found with great regularity in other places. This emphasizes the fact that each water-supply must be studied by itself.

There is a striking similarity between the shape of the curve representing the seasonal distribution of infusoria and that of the seasonal distribution of diatoms. Both have well-marked spring and fall maxima, and it is a noteworthy fact that these maxima occur at those times when the water is in complete circulation from the top to the bottom. This complete circulation occurs in the spring, after the ice has broken up, and in the fall, after the summer stagnation has ceased. There appears to be a logical reason why the growths should occur at this time.

When the water turns over in the spring and fall, the lower layers are brought to the surface. These lower layers of water are somewhat heavily charged with partially decomposed organic matter, and when this organic matter comes in contact with the oxygen, which is abundant near the surface, its oxidation is completed. The oxidation is indicated by the increase in the nitrates, and is brought about, of course, through the agency of bacteria. At the bottom of the reservoirs there is a deposit of very finely divided organic matter. When the water turns over, much of this is scattered through the water. At the same time it is probable that various

plants and animals which have been lying in a dormant condition are also brought up and scattered through the water. Finding themselves liberally provided with food, both diatoms and infusoria develop rapidly. The infusoria find their food in the fine particles of organic matter brought up from the bottom, in the organic matter of the growing plants, and in the bacteria which are carrying on the decomposition; furthermore, oxygen is abundant.

These conditions are best illustrated in Lake Cochituate, where the stagnation phenomena are most marked. In Basins 2, 3, and 4 the growths occur in the spring and fall; but the conditions in those basins are somewhat modified by the drawing down of the basins, and the fact that extensive growths of infusoria are sometimes washed into the basins from the swamps and ponds on the upper portions of the water-shed. If we consider Basin 3, for instance, we find that there is a spring growth in April, as in Lake Cochituate. Late in the summer the infusoria begin to increase, and they ordinarily reach their maximum growth in October; but in November, 1893, the *Synura* and *Dinobryon* developed in very large numbers in the mill-ponds a short distance above the head of the basin, and these were soon washed into the basin. Apparently they found the conditions favorable to their growth, for they remained abundant for several weeks. It was this growth that caused the maximum point on the Basin 3 curve to appear in November instead of in October. Basin 2 has occasionally been seeded in like manner.

As the various genera of infusoria differ somewhat in regard to their seasonal distribution, and their effect on the water, it is best to consider each genus separately. The following are some of the infusoria found in the Boston water-supply:

*Dinobryon* is one of the most common infusoria in water-supplies. It is found every year in the Boston water, but never in numbers sufficient to cause trouble. It has been found in the spring and fall in Lake Cochituate and Basins 2 and 3, but during the summer months it is practically absent. In Basin 4 it is seldom found. In February, 1891, it was quite abundant in Farm pond, and in Whitehall pond it has several times attained a considerable growth. *Dinobryon* does not go to pieces as rapidly as many infusoria, and consequently it is found in the Chestnut-Hill Reservoir, and occasionally in the service-pipes.

An examination of the microscopical analyses of the various water-supplies of Massachusetts shows that *Dinobryon* is found most often in the spring months, but that there is, also, a considerable fall growth. During the past few years

there have been several cases where *Dinobryon* has caused trouble by its great development. These occurrences were seasonally distributed as follows :

January . . . 2	May . . . 6	September . . 3
February . . . 4	June . . . 0	October . . . 2
March . . . 3	July . . . 3	November . . 2
April . . . 1	August . . . 1	December . . 0

It is somewhat contrary to our experience in Boston to find *Dinobryon* growing vigorously during the hot weather ; but some supplies have vigorous growths in July. This indicates that temperature is not the main cause influencing its seasonal distribution.

*Dinobryon* sometimes appears and disappears with great rapidity. In Breed's pond, Lynn, there were 1.410 per c.c. on May 25, 1893 ; and in less than a week, during which the weather was excessively hot, they disappeared completely.

*Dinobryon*, when present in large numbers, gives to the water a very disagreeable taste. It is, in some respects, similar to that caused by *Synura* ; but it is not as strong nor as oily, although it is doubtless caused by oil globules, which are often observed. The taste is a persistent bitter one, producing a stinging sensation at the back part of the tongue.

*Synura* has several times been quite abundant in the reservoirs of the Boston supply. These growths are described in the Annual Report of the Boston Water Board for 1893, page 75 : "The most extensive growth of *Synura* which has been found in Boston water occurred in the ponds on Stony brook, just above Basin 3, in November and December, 1893. Both in Rice's and in Nichols' mill-ponds the number of colonies frequently reached 200 per c.c. (equal to about 1,000 standard units). These were gradually washed down into Basin 3. At one time 2,000 standard units were found in the influent stream. They soon became numerous in Basin 3 and Basin 1. They were present in the Sudbury gate-house, at the Chestnut-Hill Reservoir, in almost every sample, during November and December. A few were seen in the effluent gate-house and even in the service-taps, but not in numbers sufficient to impart much of a taste to the water."

As a rule, *Synura* growths have occurred in the Boston supply in the spring and fall. This is quite generally true for other supplies, although *Synura* occasionally develops in the summer.

*Synura* is one of the most disagreeable of the infusoria.

It has a strong, stinging, bitter taste, sometimes being distinctly oily, and occasionally resembling the taste of a cucumber. A comparatively small number is sufficient to cause a noticeable taste.

*Uroglena* is a very offensive infusorian when present in large numbers. It causes a very intense, oily smell. It is occasionally found in the Sudbury water, but always in small numbers. It usually appears in the winter.

The only large growth that has been noticed in the Boston water occurred in Whitehall pond, in June, 1891. An account of this may be found in the Report of the Boston Water Board for that year. The *Uroglena* appeared very suddenly. On June 11 there were 150 colonies per c.c. at the lower end of the pond, where they were most abundant. The water had a reddish-brown color. This color soon changed to a light-brown; and in a few days the water cleared. The odor caused by the *Uroglena* was intensely oily. It was carried by the wind to a considerable distance from the pond.

Several water-supplies, both in Massachusetts and Connecticut, have been afflicted with *Uroglena*.

*Mallomonas* is an infusorian which seldom causes trouble, because it is not found in large numbers. As many as 200 were once found in a cubic centimeter of water, and at that time the water had a slight sweetish, aromatic taste, similar to that caused by *Cryptomonas* and *Chloromonas*, which the *Mallomonas* resembles, in having a bright-green color.

*Mallomonas* is found in Basin 3 in the fall, and in Lake Cochituate in both spring and fall.

*Cryptomonas* is not often found in the Sudbury and Cochituate supplies; but in the ponds just above Mystic lake it is often abundant. Horn pond, in particular, has tremendous growths of *Cryptomonas*, usually in the winter. Glen Lewis and Walden ponds, Lynn, are likewise famous localities for *Cryptomonas*, as well as *Chloromonas*.

*Cryptomonas* causes a very strong taste, which resembles that of a violet. It is sweet and aromatic, and not altogether unpleasant.

*Trachelomonas* is found in Lake Cochituate at all times of the year, but is most common in the fall. It is found in greatest numbers at the bottom, where the water is stagnant, without oxygen, and heavily charged with partially decomposed organic matter.

In Basin 3 it is found only during the latter part of the summer. There, also, it seems to be associated with the stagnant water, being found most commonly at the bottom until the time of the turning over of the water, after which



it is more evenly distributed. It is not found to any extent in Basins 2 and 4.

*Trachelomonas* seems to be associated with decomposing organic matter. It belongs to the same family with the *Euglena*, which is a notable filth infusorian. The facts that it has a rich brown color, and that it is found at the bottom of our ponds, where the stagnant water is rich in iron compounds, seem to indicate that iron may be the cause of its brown color, and perhaps may be necessary to its existence.

*Trachelomonas* is not a common organism in water-supplies, though it has been found as high as 500 per c.c. The water containing it had a very strong, earthy taste, but that was doubtless caused by the amorphous matter, which was exceedingly abundant, and not by the *Trachelomonas*.

*Peridinium* and *Glenodinium* are very much alike, and are often mistaken for each other. They are not abundant in the Sudbury and Cochituate water, although there is an occasional spring growth in the lake, and in Basin 3 they are sometimes found during the summer. In Mystic lake, however, *Peridinium* grows vigorously every summer. At times the number has been as high as 3,500 standard units per c.c. They are in great measure the cause of the offensive odor which is noticed every summer in the Mystic water. They usually appear in June or July and last until October.

*Peridinium* has been found at all seasons of the year, and extensive growths have occurred in January, March, June, and October. Usually, however, its maximum growth is attained in the summer.

*Codonella*, according to the reports of the State Board of Health, is seldom found in the water-supplies of Massachusetts, but in Lake Cochituate and in Basins 2 and 3 appears quite regularly in the spring and fall. Their number is generally small, but the organisms are of large size. They have never appeared in numbers sufficient for us to determine their effect on the water. The *Codonella* animalcule is usually enclosed in a lorica. Occasionally it leaves this, and is found moving briskly about in the water by means of its rapidly moving cilia.

*Tintinnidium*, or *Tintinnus*, as it would more properly be called, is akin to *Codonella*. It is not common in water-supplies generally, but in Lake Cochituate it is usually present in the spring months.

The species ordinarily found corresponds to Kent's *Tintinnidium semiciliatum*. In Whitehall pond we have observed a species somewhat different from the *semiciliatum*. It differs chiefly in having its lorica transversely wrinkled or folded, instead of being perfectly cylindrical. As it is free-

swimming, it is more properly classed as a *Tintinnus*, and we have designated it as *Tintinnus corrugatus*.

*Vorticella* is occasionally found during the summer. It is more common in Basin 3 than in other portions of the Boston supply. It is naturally a sedentary form, and one reason why we find it in our samples from the middle of the reservoir is because it attaches itself to floating algæ. It is often found on bunches of *Anabæna* and *Cylindrospermum*. As far as we have observed the *Vorticella* does not feed on these algæ, but uses them as a means of being carried through the water.

*Epistylis* is similar in many respects to *Vorticella*. It generally appears in clusters. It is not common in Lake Cochituate. In the basins it is occasionally found in the early summer and sometimes in the fall.

*Euglena* is not found to any extent in the Boston supply. It has occasionally been seen in Stony brook above Basin 3, and in Pegan brook. It is also found in the Abajona river and at the head of Mystic lake. It is an important organism, because its presence is generally an indication of pollution. In waters which are badly polluted it often grows vigorously. Near the laboratory there is a brook which receives the drainage of several houses. *Euglena* is sometimes so abundant in this brook that every stick, stone, and plant is covered with a bright green layer, and the water itself is green with them.

*Paramœcium* is another infusorian usually found in polluted water. It is not found in the Boston supply, except occasionally in Pegan brook.

Besides those already mentioned, *Monas*, *Cercomonas*, *Pleuronema*, *Bursaria*, *Phacus*, *Acineta*, *Uvella*, *Nassula*, *Coleps*, *Placus*, *Zoothamnium* have occasionally been observed.

#### A KEY TO THE INFUSORIA FOUND IN THE BOSTON WATER-SUPPLY, ACCORDING TO THE CLASSIFICATION OF W. SAVILLE KENT.

##### SUB-KINGDOM PROTOZOA.

##### *Legion. Infusoria.*

Protozoa, with definite form and provided with an external membrane, bearing either flagella or cilia: Mouth and anus usually, contracting vacuole, and one or more nuclei always, present. (1)

(1) Animalcules bearing one, two, or more long, lash-like flagella, which mostly represent the sole organs of progression, but are occasionally supplemented by cilia,

pseudopodia, or other locomotive or prehensile appendages. Oral or ingestive system varying in character; definite, diffuse, or indistinct. One or more contractile vesicles almost invariably represented. Multiplying rapidly by binary fission and by the subdivision of their entire body-mass into sporular elements. The sporular reproductive process, often preceded by the complete fusion or conjugation of two or more adult zooids. (a) *Class Flagellata, or Mastigophora.*

(1) Animacules partly or more or less completely clothed with vibratile cilia, which constitute the essential organs of locomotion and prehension; no supplementary lash-like appendages or flagella; certain of the cilia often modified in the form of setæ, styles, or uncini; occasionally possessing more or less distinct membraniform expansions; a well-developed oral and anal aperture mostly present. (b) *Class Ciliata, or Trichophora.*

(1) Animalcules bearing neither flagellate appendages nor cilia in their adult state, but seizing their food and effecting locomotion, when unattached, through the medium of tentacle-like processes developed from the culicular surface or internal parenchyma; these tentacles simply adhesive, or tubular, and provided at their distal extremity with a cup-like sucking disc; an endoplast and one or more contractile vesicles usually conspicuously developed; trichocysts rarely, if ever, present; increasing by longitudinal or transverse fission, or by external or internal bud-formation. (c) *Class Tentaculifera.*

(a) Ingestive area diffuse; flagella representing the sole organs of locomotion. (d) *Order Flagellata-Pantostomata.*

(a) Ingestive area constituting a true and distinct mouth: flagellum not supplemented by cilia. (e) *Order Flagellata-Eustomata.*

(a) Ingestive area constituting a true and distinct mouth: flagellum supplemented by a more or less highly developed ciliary wreath. (f) *Order Cilio-Flagellata.*

(b) Cilia distributed over the entire surface of the body, similar, or differing but slightly in character. (g) *Order Holotricha.*

(b) Cilia distributed over the entire cuticular surface; the oral series of conspicuously larger size. (h) *Order Heterotricha.*

(b) Cilia not universally distributed, mostly limited to a conspicuous circular or spiral adoral wreath. (i) *Order Peritricha.*

(c) Tentacles wholly or partially suctorial. (j) *Order Suctoria.*

(d) Flagellum single, terminal. Animalcules naked, freely swimming; no pedicle or caudal appendage, globose or ovate; anterior border rounded; polymorphic. *Genus Monas.*

(d) Animalcules naked, with a tail-like caudal filament, flagellum single; entirely free-swimming, never attached. *Genus Cercomonas.*

(e) One flagellum. Animalcules mostly highly metabolic; endoplasm colored brilliant green; free-swimming, no abnormal pharyngeal dilation. (*k*)

(e) Two flagella. Endoplasm enclosing two laterally disposed olive or yellow pigment bands. Flagellate appendages, with but rare exceptions, two in number, of similar or diverse length. (*n*)

(f) Bearing one or more flagella and a distinct ciliary girdle. (*r*)

(f) Flagellum single, terminal; body clothed with long setose cilia, oval, persistent in form, free-swimming, usually green color. *Genus Mallomonas.*

(g) Bearing cilia only. (*s*)

(g) Bearing cilia and a membraniform expansion. Membrane non-vibratile, extending in front of and around the oral fossa in a hood-like manner; oral aperture and hood-like membrane ventral; cilia rigid, setose; without a caudal seta. *Genus Pleuronema.*

(h) Oral cilia forming a simple, straight, or oblique adoral fringe. Animalcules free-swimming, broadly ovate, somewhat flattened on one side, anteriorly truncate; peristome-field pocket-shaped, deeply excavate, situated obliquely on the anterior half of the body, having a broad oral fossa in front, and a cleft-like lateral fissure, which extends from the left corner of the contour border to the middle of the ventral side; no tremulous flap; pharynx very long, funicular, bent towards the left, and forming an immediate continuation of the peristome excavation, adoral ciliary wreath very broad, much concealed, lying completely within the peristome cleft; the cilia of general surface very fine, disposed in longitudinal rows; anal aperture postero-terminal; endoplast band-like, curved or sinuous; contractile vesicles distinct, usually multiple. *Genus Bursaria.*

(h) Oral cilia describing a spiral or circular course around the oral aperture. (*u*)

(i) Animalcules naked, sedentary or attached; ovate, campanulate, oral aperture terminal, eccentric, associated with a spiral fringe of adoral cilia, the right limb of which descends into the oral aperture, the left limb encircling a more or less elevated, protrusible, and retractile ciliary disc.

Animalcules solitary, attached through the medium of a retractile pedicle. *Genus Vorticella*.

(i) Animalcules associated in dendriform colonies. (v)

(j) Animalcules multitentacular, tentacles similar; loricate, tentacles similar, lorica pedicellate. *Genus Acineta*.

(k) Naked. (m)

(k) Loricate. *Genus Trachelomonas*.

(m) Highly metabolic, having a caudal prolongation.

*Genus Euglena*.

(m) Persistent in shape. No snout-like prominence.

*Genus Phacus*.

(n) One flagellum; animalcules persistent in shape.

*Genus Chloromonas*.

(n) Two flagella. (o)

(o) Naked. (p)

(o) Loricate. (q)

(o) Immersed within a gelatinous zoocytium. Zooids not directly united, possessing independent contractile vesicles. *Genus Uroglena*.

(p) Solitary, free-swimming, flagella inserted beneath a lip-like prominence. *Genus Cryptomonas*.

(p) Social, united in spheroidal free-floating clusters.

*Genus Uvella*.

(q) Social, forming a compound branching zoothecium.

*Genus Dinobryon*.

(q) Social, united in free-floating spheroidal clusters.

*Genus Synura*.

(r) Flagellum single, ciliary girdle central, encuirassed. No horn-like processes. (l)

(r) With horn-like processes. *Genus Ceratium*.

(l) Cuirass faceted. *Genus Peridinium*.

(l) Cuirass simple. *Genus Glenodinium*.

(s) Animalcules asymmetrical, with distinct dorsal and ventral regions; oral aperture ventral. (t)

(s) Animalcules symmetrically ovate or cylindrical, oral aperture terminal or lateral; pharynx distinct, often armed with rod-like teeth. Persistent in form, mouth lateral.

*Genus Nassula*.

(s) Animalcules symmetrically ovate; oral aperture terminal; cuticular surface indurated. No anterior or buccal seta. Carapace with spinous processes. *Genus Coleps*.

(t) Cuticular surface soft and flexible, with an oblique adoral groove. *Genus Paramoecium*.

(t) Cuticular surface indurated; free-swimming; no distinct pharynx. *Genus Placus*.

(u) Animalcules permanently or temporarily adherent; peristome and adoral cilia enclosing the entire funnel-shaped

or variously expanded frontal border. Peristome-field, sub-circular or infundibulate. *Genus Stentor*.

(u) Animalcules ovate or pyriform, adoral cilia surrounding the anterior extremity in a simply circular manner. Loricata; animalcules adherent to lorica by retractile pedicle, freely floating in the water. *Genus Tintinnus*.

(u) Animalcules loricate, free-swimming, oral cilia forming two circlets, those of the outer circle attenuate, tentaculiform. Cilia of the inner circlet spathulate or lappet-like. *Genus Codonella*.

(v) Pedicle retractile. Contractile stalk of entire colony continuous throughout. *Genus Zoothamnium*.

(v) Pedicle rigid. Ciliary disc axial; no collar-like membrane. *Genus Epistylis*.

#### FILTRATION EXPERIMENTS.

These experiments, already described in previous reports, were continued through the greater part of the year, but were finally concluded, and the apparatus thrown out of use, the data accumulated having proved sufficient for the purposes for which the investigations were begun.

The six large tanks, having an area of one one-thousandth of an acre, were used for experiments on continuous filtration through sand at a rate of 1,500,000 gallons per acre per day. Experiments with bone, charcoal, and dried alumina have been continued with tanks having an area of one forty-thousandth of an acre. Experiments on the purification of water by precipitation with ferric chloride, followed by rapid filtration through sand, were begun October 16.

Chemical and biological analyses of the applied water and effluents were made weekly until October 16. The results of these analyses have been plotted, giving continuous profiles which show graphically the purifications produced by each tank.

The work has been under the immediate charge of Mr. W. E. Foss, C.E., who has prepared the following description of some of the experiments made under my direction, to determine the effects of sunlight on the decolorization of water. These observations were made in connection with our filtration experiments.

The first experiment was begun November 26, 1890. Three one-gallon bottles were filled with water from the tap. Sample No. 1 was analyzed at once, sample No. 2 was put in a dark closet, and No. 3 was exposed to sunlight in a window. June 28, 1891, samples Nos. 2 and 3 were analyzed, sample No. 3 having been exposed to bright sun-

light for 800 hours. The results of the analyses are given in Table I. They show that the color of the water was only slightly reduced in the sample kept in the dark, while it was entirely removed from the sample exposed to sunlight. Observations of the color were not made during the interval, and it is not known how many hours exposure to sunlight were necessary to reduce the color completely. The nitrogen as albuminoid and free ammonia was reduced and the nitrogen as nitrites and nitrates increased in the dark, while in the sample exposed to sunlight the nitrogen as albuminoid and free ammonia and nitrites increased, while the nitrogen as nitrates was reduced.

Samples Nos. 4 to 10 inclusive were collected from the tap for the purpose of following the changes which might take place under the action of sunlight from month to month. No. 4 was analyzed at once, and Nos. 5, 7, and 9 were put in a dark closet, while Nos. 6, 8, and 10 were exposed to sunlight on a bench out of doors. A sample from the dark and one from the sunlight was analyzed each month. The results of the analyses are given in Table I. It will be seen that an exposure to sunlight for 238 hours was not quite sufficient to remove the color completely. In almost every case nitrogen as albuminoid and free ammonia was higher, and the nitrogen as nitrates lower, in the sample exposed to sunlight than in the one kept in the dark. In the samples Nos. 5 to 10 inclusive the clear supernatant portion only was analyzed, the sediment not being included. As the results seemed to show a loss of nitrogen, it was thought that it might be in the sediment, and analyses were therefore made of a mixture of the samples kept in the dark, and also of a mixture of the samples exposed to sunlight, the sediment being included. The results are shown by Nos. 11 and 12, and seem to show that there had not been a loss of nitrogen.

Analyses Nos. 13 and 14 show the changes which took place in a very dark water from an exposure to sunlight for 543 hours. The samples were collected October 24, 1891, from the bottom of Lake Cochituate, at a point 55 feet deep, where the water had been stagnant for some time. When collected the sample contained a large amount of ferrous iron, and dissolved oxygen was entirely absent. Soon after collection the ferrous iron became oxydized, increasing the color of the water to 4.50.

Analyses Nos. 15 to 23 inclusive show the changes from exposure to sunlight in samples from the Cochituate and Sudbury sources and from the Bradlee Basin of the Chestnut-Hill Reservoir, which contains a mixture of the other two.

An increase in the nitrogen as albuminoid and free ammonia and decrease in nitrogen as nitrates, oxygen consumed and color, in the samples exposed to sunlight, is noticed when they are compared with the samples kept in the dark.

August 1, 1892, an experiment was begun to determine the action of sunlight for each month in the year. Three sets of samples were used in this experiment to see if there was any difference in the action on waters having different intensity of color. One set was from Cochituate aqueduct, average color 0.23; one from Terminal chamber, average color 0.79; and one from Chestnut-Hill Reservoir, average color 0.53, being a mixture of the other two. The samples were collected about the first of each month, and one of each set kept in the dark, while another was exposed to sunlight in a box, having three sides and the top of plate glass, which allowed exposure of the samples to sunlight under similar conditions throughout the year. The temperatures and colors of the samples were taken weekly, but in the tables presented herewith only the means for each month are given. The weekly observations showed that the changes went on uniformly. As a basis for comparison the reduction of color per 100 hours of sunlight has been calculated for each month. The total reductions due to exposure to sunlight were obtained by subtracting from the reduction which took place in the sample exposed to sunlight any reduction which took place in the companion sample kept in the dark. The results of the experiment are given in Table II. An examination of them shows that, while the total reduction in color was greatest during the summer months, the reduction per 100 hours of bright sunlight is practically constant for all seasons of the year. It is also seen that the reduction in color varies almost directly with the amount of color present, being in each case about 20 per cent. of the original color.

An experiment was also arranged to see if the sunlight affected the water applied to the filters and the various effluents alike. The results are given in Table III. The only differences noticed are slight, and appear to be due to differences in the original colors.

The following experiments were made to determine, if possible, in what manner the reduction in color by exposure to sunlight was brought about.

As the exposure of a sample of water to sunlight was accompanied by an increase in temperature of the water, an experiment was arranged in which the temperature of the water was maintained at a high point without exposure to sunlight. Two samples of a very highly colored water



from the bottom of Lake Cochituate were kept on the radiator in the office, one covered with a black cloth bag and the other exposed to the light. They were kept in this manner from October 27, 1891, to December 8, 1892; the average temperature during the interval was 93° Fahr. The sample kept in the black bag was reduced in color from 4.50 to 4.00, or 0.50; the one exposed to the light was reduced in color from 4.50 to 3.30, or 1.20.

The results show that heat alone was not the cause of the reduction in color.

Experiments to see if sedimentation would hasten the reduction of color were arranged. Samples of water were exposed in glass jars having disks of glass arranged in a series of horizontal layers about one-half inch apart, being separated by small pieces of glass. Samples were also exposed in glass tubes four feet long. Observations on the reduction in color of the water near the top and at the bottom of the tubes were made. No increased reduction of color was noticed in either case due to sedimentation.

From an examination of the results of all of the experiments that had been made, it did not appear that the sediment in the samples exposed to sunlight was any greater than in the samples kept in the dark.

It was thought that the reduction of color in the samples exposed to sunlight might be due to a chemical change going on, caused either by the action of bacteria or by the actinic rays of the sun's light.

That the reduction was due to the action of bacteria did not seem probable, for in several cases examinations were made, and the results always showed that the organisms and bacteria died out in the samples exposed to sunlight and in the samples kept in the dark.

An experiment made to see if the reduction in color was due to chemical action, due to the actinic rays of the sun's light, was arranged as follows:

Samples of water from the same source were exposed to sunlight in bottles of different colored glass, companion samples being kept in the dark.

The colors of the bottles used were white, blue, yellow, and red. The experiments were continued for two months. From the means of these given in Table IV, it appears that the color of the water was reduced the most in the white and blue bottles, being about the same in both cases. The reduction of color of the water in the yellow and red bottles was only about one-half as much, showing that the blue or actinic rays were the most effective in reducing the color.

In what way the sun's rays produce the reduction in the

color of a water is unknown. Downes and Blunt<sup>1</sup> found that the action of sunlight entirely prevented the development of bacteria under favorable conditions, and that the red and orange-red rays delayed their development, while the blue and violet rays entirely prevented their growth. They explain this action of light as due to the gradual process of oxidation, which is induced by the sun's rays in the presence of oxygen. It is possible some similar action takes place in the reduction of color by the sun's rays.

The depth below the surface of a pond at which the sun's action would be effective in reducing the color of the water has not been investigated, but it would undoubtedly vary with the character of the water.

#### CONCLUSION.

From the foregoing experiments the following conclusions have been drawn:

The color of waters such as we have been considering can be entirely removed by sufficient exposure to sunlight.

The action is influenced but slightly, if at all, by increase in temperature.

Sedimentation does not increase the action to any appreciable extent.

The amount of reduction in the color of a given water is the same per 100 hours of sunlight at all seasons of the year.

The amount of the reduction varies almost directly with the amount of color present in the water.

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<sup>1</sup> "Micro-Organisms in Water," by P. and G. C. Frankland, 1894.

TABLE I.—Water Analyses, Boston Water Works.  
PARTS IN 100,000.

LOCALITY.	DATE OF		RESIDUE ON EVAPORATION.				NITROGEN.					Oxygen consumed.	Hardness.	REMARKS.	
	Collection.	Examination.	Total.	Loss on Ignition.	Fixed.	Change on Ignition.	Chlorine.	Unfiltered.	Filtered.	Free Ammonia.	As Nitrates.				As Nitrates.
Top at Filter Station	18 90. Nov. 25	N. W. Nov. 25 1891	5.30	1.35	3.95	Blackens, strong peaty odor.	.459	.0152	.0150	.0008	.0002	.0230	.54	2.13	Original sample.
" "	Nov. 26	.40	.....	.....	.....	.....	.....	.0122	.....	.0002	.0300	.47	1.90	Kept in dark.	
" "	Nov. 26	.00	.....	.....	.....	.....	.....	.0202	.....	.0034	.0007	.0050	.70	1.89	Exposed to 800 hours' bright sunlight.
" "	18 91. July 17	.30	.....	.....	.....	.....	2.0363	.0162	.0154	.0000	.0001	.0200	.51	1.69	Original sample.
" "	July 17	.31	4.55	1.25	3.30	Blackens.	.....	.0130	.0106	.0000	.0000	.0150	.51	1.56	Kept in dark 1 month.
" "	July 17	.03	.....	.....	.....	.....	.....	.0128	.0128	.0004	.0001	.0120	.35	1.76	Exposed to 238 hours' bright sunlight.
" "	July 17	.30	.....	.....	.....	.....	.....	.0098	.0090	.0002	.0002	.0250	.39	1.63	Kept in dark 2 months.
" "	July 17	.00	.....	.....	.....	.....	.....	.0136	.0124	.0008	.0003	.0150	.25	1.69	Exposed to 420 hours' bright sunlight.
" "	July 17	.30	.....	.....	.....	.....	.....	.0098	.....	.0002	.0004	.0210	.36	.....	Kept in dark 3 months.
" "	July 17	.00	.....	.....	.....	.....	.....	.0144	.....	.0000	.0000	.0000	.29	.....	Exposed to 573 hours' bright sunlight.
" "	18 92. July 17	.25	.....	.....	.....	.....	2.0356	.0102	.0072	.0004	.0000	.0250	.36	.....	Kept in dark, mixture of above samples.
" "	July 17	.00	.....	.....	.....	.....	.....	.0142	.0110	.0176	.0022	.0030	.17	.....	Exposed to sunlight, mixture above samples.
Lake Cochituate bottom, 55 feet deep.....	Oct. 24	4.00	9.85	3.40	6.45	Blackens, strong peaty odor	.....	.0852	.0250	.0830	.0003	.0000	1.12	2.20	Original sample.



TABLE II. — Effect of Sunlight, Monthly.  
COCHITUATE AQUEDUCT WATER.

MONTH.	KEPT IN THE DARK.				EXPOSED TO SUNLIGHT.				Difference between Column 13 and Column 9.	Reduction per 100 hours of Daylight.	Reduction per 100 hours of Bright Sunlight.				
	Average temperature, Fahr.	Original Color.	Final Color.	Reduction of Color.	Average temperature, Fahr.	Original Color.	Final Color.	Reduction of Color.							
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
	Total Hours.	Hours of Daylight.	Hours of Bright Sunlight.	Sunlight in per cent. of Daylight.											
<b>1892.</b>															
August 2-31.....	720	416	174	42	72.7	.22	.16	.06	109.4	.22	.09	.13	.07	.017	.040
September 2-29.....	672	349	220	63	61.9	.19	.16	.03	97.5	.19	.10	.09	.06	.017	.027
October 1-31.....	744	340	158	46	57.4	.19	.15	.04	77.0	.19	.10	.09	.05	.015	.032
November 1-30.....	720	294	93	32	57.2	.20	.16	.04	68.0	.20	.10	.10	.06	.020	.065
December 2-31.....	720	274	138	50	74.2	.25	.21	.04	61.1	.25	.20	.05	.01	.004	.007
<b>1893.</b>															
January 2-31.....	720	285	111	39	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
February 2-28.....	648	285	97	34	71.6	.24	.22	.02	71.6	.24	.17	.07	.05	.018	.052
March 2-30.....	696	344	135	39	63.6	.32	.22	.10	62.2	.32	.11	.21	.11	.032	.081
April 1-29.....	696	387	154	40	64.0	.23	.22	.01	80.5	.23	.07	.16	.15	.039	.097
May 1-31.....	744	453	203	45	66.5	.27	.22	.05	97.2	.27	.07	.20	.15	.083	.074
June 1-29.....	696	441	228	52	68.0	.26	.21	.05	95.7	.26	.09	.17	.12	.027	.053
July 1-31.....	744	462	310	67	73.6	.22	.21	.01	112.9	.22	.08	.14	.13	.028	.042
Means.....	.....	.....	.....	.....	66.4	.23	.19	.04	84.8	.24	.11	.13	.09	.023	.052

**TABLE II. — Effect of Sunlight, Monthly. — Continued.**  
 TERMINAL CHAMBER WATER.

MONTH.	2 Total Hours.	3 Hours of Daylight.	4 Hours of Bright Sunlight.	5 Sunlight in per cent. of Daylight.	KEPT IN THE DARK.				EXPOSED TO SUNLIGHT.				14 Difference between Column 13 and Column 9.	15 Reduction per 100 hours of Day-light.	16 Reduction per 100 hours of Bright Sunlight.
					6 Average temperature, Fahr.	7 Original Color.	8 Final Color.	9 Reduction of Color.	10 Average temperature, Fahr.	11 Original Color.	12 Final Color.	13 Reduction of Color.			
<b>1892.</b>															
August 2-31.....	720	416	174	42	73.0	.65	.55	.10	109.1	.65	.27	.38	.28	.067	.161
September 2-29.....	672	349	220	63	61.7	.47	.37	.10	99.0	.47	.21	.26	.16	.046	.073
October 1-31.....	744	340	198	46	52.2	.65	.52	.13	79.5	.65	.32	.33	.29	.059	.127
November 1-30.....	720	294	93	32	57.3	.52	.40	.12	67.5	.52	.26	.26	.14	.048	.151
December 2-31.....	720	274	138	50	74.2	1.12	1.12	....	62.5	1.10	.90	.22	.22	.080	.159
<b>1893.</b>															
January 2-31.....	720	285	111	39	59.6	1.10	.72	.38	60.9	1.10	.65	.45	.07	.025	.063
February 2-28.....	648	285	97	34	70.3	1.10	.75	.35	70.8	1.10	.48	.62	.27	.095	.278
March 2-30.....	696	344	135	39	64.1	.77	.51	.26	61.2	.77	.27	.50	.24	.070	.178
April 1-29.....	696	387	154	40	63.1	.48	.47	.01	78.1	.48	.23	.25	.24	.062	.156
May 1-31.....	744	453	203	45	66.8	.67	.65	.02	97.7	.67	.27	.40	.38	.084	.187
June 1-29.....	696	441	228	52	68.1	1.05	.80	.25	94.9	1.05	.39	.66	.41	.093	.180
July 1-31.....	744	462	310	67	73.4	.84	.78	.06	111.0	.84	.28	.56	.50	.108	.161
Means.....	.....	.....	.....	.....	65.3	.79	.64	.15	82.7	.79	.38	.41	.26	.070	.156

CHESTNUT HILL RESERVOIR WATER.

<b>1892.</b>															
August 2-31.....	720	416	174	42	72.9	.43	.36	.07	108.5	.43	.24	.19	.12	.029	.069
September 2-29.....	672	349	220	63	62.4	.43	.29	.14	99.2	.43	.18	.25	.11	.032	.030
October 1-31.....	744	340	158	46	57.6	.43	.33	.10	78.1	.43	.23	.20	.10	.029	.063
November 1-30.....	720	294	93	32	57.2	.37	.32	.05	67.9	.37	.22	.15	.10	.034	.103
December 2-31.....	720	274	138	50	74.9	.44	.41	.03	62.1	.44	.33	.11	.08	.029	.058
<b>1893.</b>															
January 2-31.....	720	285	111	39	57.8	.85	.72	.13	58.6	.85	.60	.25	.12	.042	.108
February 2-28.....	648	285	97	34	69.9	.70	.70	....	71.4	.70	.48	.22	.22	.077	.227
March 2-30.....	696	344	135	39	63.8	.65	.43	.22	62.3	.65	.31	.34	.12	.035	.089
April 1-23.....	696	387	154	40	63.7	.39	.39	....	80.7	.39	.21	.18	.18	.047	.117
May 1-31.....	744	453	203	45	66.8	.48	.42	.06	96.4	.48	.15	.33	.27	.060	.133
June 1-29.....	696	441	228	52	67.7	.55	.48	.07	95.3	.55	.16	.39	.32	.073	.140
July 1-31.....	744	462	310	67	73.8	.59	.56	.03	113.3	.59	.14	.45	.42	.091	.135
Means .....	.....	.....	.....	.....	65.7	.53	.45	.08	82.8	.53	.27	.26	.18	.048	.108

TABLE III.—Effect of Sunlight on Water before and after Filtration.

MONTHS. 1892.	KEPT IN THE DARK.				EXPOSED TO SUNLIGHT.				Difference, Column 13 and Column 14	Reduction per 100 Hours Daylight.	Reduction per 100 Hours Bright Sunlight.					
	Average Temperature.	Original Color.	Final Color.	Reduction of Color.	Average Temperature.	Original Color.	Final Color.	Reduction of Color.								
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	
	Total Hours.	Hours of Daylight.	Hours Bright Sunlight.	Sunlight in p.c. of Daylight.	Average Temperature.	Original Color.	Final Color.	Reduction of Color.	Average Temperature.	Original Color.	Final Color.	Reduction of Color.	Difference, Column 13 and Column 14	Reduction per 100 Hours Daylight.	Reduction per 100 Hours Bright Sunlight.	
<b>UNFILTERED WATER.</b>																
June 25 to July 27.....	768	478	257	54	72.9	0.38	0.37	0.01	120.9	0.38	0.17	0.21	0.20	.042	.078	
August 6 to September 1.....	600	347	158	46	71.5	0.43	0.38	0.05	81.0	0.43	0.16	0.27	0.22	.063	.139	
September 8 to November 4.....	1,368	654	359	55	61.5	0.36	0.27	0.09	77.6	0.36	0.10	0.26	0.17	.026	.047	
TANK No. 2. Effluent. (Continuously Filtered)																
June 25 to July 27.....	768	478	257	54	73.1	0.22	0.22	0.00	118.0	0.22	0.10	0.12	0.12	.025	.047	
TANK No. 4. Effluent. (Intermittently Filtered)																
June 25 to July 27.....	768	478	257	54	72.7	0.19	0.22	-0.03	117.4	0.19	0.08	0.11	0.14	.029	.054	
TANK No. 5. Effluent. (Continuously Filtered)																
June 25 to July 27.....	768	478	257	54	73.0	0.23	0.23	0.00	116.3	0.23	0.11	0.12	0.12	.025	.047	
TANK No. 3. Effluent. (Continuously Filtered)																
August 6 to September 1.....	600	347	158	46	71.2	0.23	0.27	-0.04	80.7	0.23	0.11	0.12	0.16	.041	.101	
September 8 to November 4.....	1,368	654	359	55	61.4	0.23	0.22	0.01	77.5	0.23	0.17	0.06	0.05	.008	.014	
TANK No. 6. Effluent. (Intermittently Filtered)																
June 25 to July 27.....	768	478	257	54	73.2	0.23	0.26	-0.03	116.6	0.23	0.12	0.11	0.14	.029	.058	
August 6 to September 1.....	600	347	158	46	71.0	0.22	0.23	0.01	79.6	0.22	0.11	0.11	0.10	.034	.063	
September 8 to November 4.....	1,368	654	359	55	62.0	0.19	0.22	-0.03	76.8	0.19	0.12	0.07	0.10	.017	.028	





## QUALITY OF THE WATER.

The water in Boston has been excellent in quality throughout the year. In December the tap water had a somewhat disagreeable, oily taste, due to *Synura*, *Asterionella*, and *Anabæna* (sterile form), which all came from Lake Cochituate, but on the average the number of organisms found in the water has been unusually low.

The following tables give, first, the average condition of the water as delivered to the consumer, and then means of monthly analyses of different parts of the sources of supply. They afford a ready means of comparison with the condition of the water as given in the last annual report.

The other tables contain the results of examinations made at the biological laboratory, a table for changing colors from the Nessler to the platinum standard, and a table of annual expenditures and rainfall.

Very truly yours,

DESMOND FITZGERALD,  
*Resident Engineer and Superintendent.*

Average condition of Tap Water, Boston, 1894. Thomas M. Drown, M.D.

PARTS IN 100,000.

LOCALITY.	RESIDUE ON EVAPORATION.			Chlorine.	NITROGEN.				Oxygen Consumed.	Hardness.	Iron.	REMARKS.		
	Total.	Loss on Ignition.	Fixed.		Albuminoid Ammonia.		Free Ammonia.	As Nitrates.					As Nitrites.	
					Unfiltered.	Filtered.								
Service-pipe, Mass. Inst. of Technology.	1 0.69	4.64	1.83	2.81	0.41	.0169	.0150	.0006	.0001	.0106	0.6295	1.7	.0147	Averages of monthly analyses.

<sup>1</sup> = 0.57 Boston Water-Works Standard [Platinum, Cobalt].

Averages of Monthly Analyses, January 1 to December 31, 1894, by Thomas M. Drown, M.D.

PARTS IN 100,000.

LOCALITY.	RESIDUE ON EVAPORATION.			Chlorine.	NITROGEN.				Oxygen Consumed.	Hardness.	Iron.	REMARKS.	
	Total.	Loss on Ignition.	Fixed.		Albuminoid Ammonia.		Free Ammonia.	As Nitrates.					As Nitrites.
					Unfiltered.	Filtered.							
Color.													
Reservoir No. 2, influent . . . . .	4.97	2.17	2.51	0.34	.0231	.0210	.0007	.0001	.0059	1.0566	1.2	.0173	
Reservoir No. 2, near outlet . . . . .	4.36	2.05	2.31	0.33	.0216	.0192	.0008	.0000	.0057	0.9268	1.3	.0205	
Reservoir No. 3, influent . . . . .	6.41	2.64	3.77	0.49	.0302	.0249	.0023	.0001	.0151	1.0533	2.0	.0237	1 Swamps flooded Basin 5.
Reservoir No. 3, near outlet . . . . .	5.48	2.29	3.28	0.41	.0265	.0231	.0018	.0001	.0105	0.8692	1.9	.0152	
Reservoir No. 4, influent . . . . .	4.93	2.42	2.52	0.32	.0237	.0214	.0006	.0000	.0042	1.2054	1.3	.0146	
Reservoir No. 4, near outlet . . . . .	4.14	1.86	2.27	0.29	.0212	.0189	.0025	.0001	.0043	0.8648	1.1	.0126	
Reservoir No. 6, influent . . . . .	6.57	3.29	3.28	0.55	.0317	.0294	.0014	.0000	.0020	1.6692	1.6	.0255	
Reservoir No. 6, near outlet, surface . .	3.85	1.53	2.31	0.38	.0184	.0158	.0013	.0000	.0039	0.6945	1.1	.0165	
Reservoir No. 6, near outlet, bottom . .	4.08	1.73	2.35	0.37	.0175	.0148	.0081	.0003	.0026	0.6724	1.1	.0575	
Lake Cochituate, gate-house . . . . .	4.76	1.59	3.17	0.51	.0163	.0137	.0008	.0001	.0070	0.3699	2.0	.0077	
Service-pipe, Mass. Inst. Tech., Boston .	4.64	1.83	2.81	0.41	.0169	.0150	.0006	.0001	.0106	0.6295	1.7	.0147	
Mystic Lake . . . . .	15.60	2.53	13.07	3.48	.0235	.0168	.0381	.0012	.0582	0.2608	5.2	.0099	Mystic Supply.

Lake Cochituate, 1894.

MONTH.	* ORGANISMS.				AMORPHOUS.				REMARKS.
	Sur.	Mid.	Bot.	Mean.	Sur.	Mid.	Bot.	Mean.	
January . . . . .	300	295	288	294	330	336	450	372	Diatomacee.
February . . . . .	114	247	238	200	254	320	409	328	Diatomacee.
March . . . . .	139	164	172	158	260	305	563	376	Diatomacee.
April . . . . .	610	545	561	572	322	385	326	344	{ Diatomacee. { Infusoria.
May . . . . .	775	645	460	627	149	242	208	200	{ Diatomacee. { Chlorophyceae. { Chlorophyceae. { Cyanophyceae.
June . . . . .	388	179	127	231	147	154	250	184	{ Chlorophyceae. { Chlorophyceae. { Chlorophyceae. { Cyanophyceae.
July . . . . .	121	255	161	172	153	212	663	343	{ Chlorophyceae. { Chlorophyceae. { Chlorophyceae. { Cyanophyceae.
August . . . . .	206	141	72	140	189	194	3,110	1,164	{ Chlorophyceae. { Chlorophyceae. { Cyanophyceae.
September . . . . .	186	228	309	241	192	356	3,980	1,509	Cyanophyceae.
October . . . . .	553	378	159	363	335	372	1,592	766	{ Cyanophyceae. { Diatomacee. { Diatomacee.
November . . . . .	652	542	470	555	474	322	279	358	{ Cyanophyceae. { Infusoria.
December . . . . .	951	784	688	808	293	305	380	326	{ Diatomacee. { Cyanophyceae. { Infusoria.
Mean . . . . .	416	365	309	363	258	292	1,018	523	{ Asterionella. { Tabellaria.

\* Standard units per c. c.

Basin 2, 1894.

MONTH.	ORGANISMS.						AMORPHOUS.						REMARKS.		
	Sur.	Mid.	Bot.	Mean.	Influ-ent.	Sur.	Mid.	Bot.	Mean.	Influ-ent.	Sur.	Mid.		Bot.	Mean.
January . . . . .	18	10	6	11	9	332	366	400	366	216					
February . . . . .	15	9	9	11	25	148	183	195	175	195					
March . . . . .	18	11	10	13	13	212	174	192	193	183					
April . . . . .	13	22	24	20	18	179	189	202	190	155					
May . . . . .	51	81	56	63	32	193	193	232	206	202					{ Infusoria. { Diatomacea.
June . . . . .	59	99	17	58	45	204	210	329	248	221					{ Infusoria. { Cyanophyceae.
July . . . . .	110	105	61	92	47	334	399	332	355	193					{ Infusoria. { Cyanophyceae. { Chlorophyceae.
August . . . . .	77	64	40	60	18	446	416	398	420	268					{ Infusoria. { Chlorophyceae.
September . . . . .	88	78	73	80	43	549	760	1,153	821	576					{ Diatomacea.
October . . . . .	54	48	63	55	28	312	486	631	476	372					{ Infusoria. { Diatomacea.
November . . . . .	27	45	26	33	9	282	257	318	286	248					Infusoria.
December . . . . .	10	12	13	12	1	138	268	339	248	138					
Mean . . . . .	45	49	33	42	24	277	325	393	332	247					

Basin 3, 1894.

MONTH.	ORGANISMS.					AMORPHOUS.					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
	January . . . . .	84	23	16	41	22	233	249	299	267	
February . . . . .	16	11	6	11	24	170	169	164	168	183	
March . . . . .	23	9	20	17	20	212	225	265	234	210	
April . . . . .	156	165	136	152	36	188	233	202	208	125	{ Diatomaceae.
May . . . . .	25	108	106	113	19	188	221	329	246	335	{ Infusoria.
June . . . . .	59	53	15	42	76	189	200	274	221	327	{ Infusoria.
July . . . . .	134	120	76	110	206	222	178	274	225	892	{ Infusoria.
August . . . . .	183	110	131	141	126	283	254	278	272	756	{ Chlorophyceae.
September . . . . .	1,074	312	250	545	186	527	685	963	725	1,047	{ Chlorophyceae.
October . . . . .	638	474	417	509	96	544	508	528	527	429	{ Diatomaceae.
November . . . . .	622	640	611	622	14	473	464	438	458	138	{ Infusoria.
December . . . . .	348	303	364	338	6	190	164	186	180	206	{ Diatomaceae.
Mean . . . . .	289	194	179	220	69	286	296	350	311	383	{ Diatomaceae.

Basin 4, 1894.

MONTH.	ORGANISMS.					AMORPHOUS.					REMARKS.
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
	January . . . . .	16	7	5	9	11	403	413	447	421	
February . . . . .	7	9	9	8	11	189	137	142	156	93	
March . . . . .	12	11	8	10	96	205	238	211	218	109	
April . . . . .	42	24	25	30	13	216	180	158	185	88	Infusoria.
May . . . . .	24	16	8	16	9	253	167	145	188	157	
June . . . . .	23	11	3	12	4	165	99	119	128	177	
July . . . . .	28	7	7	14	5	123	113	105	113	147	
August . . . . .	11	7	12	10	15	176	177	164	172	146	
September . . . . .	68	61	66	65	44	236	273	360	290	334	{ Chlorophyceae, Infusoria, Diatomaceae, Infusoria.
October . . . . .	50	43	65	53	18	297	240	248	282	110	
November . . . . .	32	29	17	26	13	228	239	346	271	142	
December . . . . .	26	14	19	20	9	239	248	222	236	130	
Mean . . . . .	28	20	20	23	21	228	210	222	220	147	



Basin 6, 1894.

MONTH.	ORGANISMS.					AMORPHOUS.					REMARKS.	
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.		
January . . . . .												
February . . . . .												
March . . . . .												
April . . . . .												
May . . . . .	135	83	65	114	55	157	187	155	166	110	{ Infusoria. { Diatomaceae.	
June . . . . .	129	40	40	70	8	219	271	341	277	148	Infusoria.	
July . . . . .	28	12	68	36	2	169	280	278	242	134		
August . . . . .	27	8	215	83	6	180	329	493	334	211		
September . . . . .	85	91	14	63	134	590	827	1,198	872	1,011	{ Diatomaceae. { Infusoria.	
October . . . . .	100	85	91	92	19	734	837	1,068	880	172	{ Diatomaceae. { Infusoria.	
November . . . . .	65	41	43	50	11	372	235	302	303	138	{ Diatomaceae. { Infusoria.	
December . . . . .	63	58	38	53	4	177	193	243	204	145	{ Infusoria. { Diatomaceae.	
Mean . . . . .	87	52	72	70	28	304	395	510	410	238		

MONTH.	CHESTNUT HILL RESERVOIR.						BROOKLINE GATE-HOUSE.				TAFS IN CITY.			
	Organisms.			Amorphous.			Organisms.		Amorphous.		Organisms.		Amorphous.	
	Sudbury.	Cochituate.	Effluent.	Sudbury.	Cochituate.	Effluent.	Organisms.	Amorphous.	Park Sq.	Mattapan.	Park Sq.	Mattapan.	Park Sq.	Mattapan.
January . . . . .	14	243	71	214	266	245	117	239	60	25	182	117	182	117
February . . . . .	25	144	71	186	232	192	84	182	50	27	157	128	157	128
March . . . . .	21	143	54	206	304	218	84	184	38	13	166	70	166	70
April . . . . .	78	548	182	194	266	206	210	171	152	92	169	103	169	103
May . . . . .	33	654	165	258	191	261	294	183	126	76	170	75	170	75
June . . . . .	34	305	199	314	133	161	269	194	137	72	197	154	197	154
July . . . . .	98	95	216	491	196	288	220	226	125	48	224	101	224	101
August . . . . .	57	96	143	375	219	269	118	295	71	29	253	152	253	152
September . . . . .	106	165	242	645	267	324	176	380	155	85	273	130	273	130
October . . . . .	63	607	204	543	261	269	217	251	173	83	235	118	235	118
November . . . . .	130	618	103	356	309	222	195	259	84	71	153	113	153	113
December . . . . .	200	888	197	246	258	225	482	202	196	269	164	194	164	194
Mean . . . . .	72	376	154	336	242	240	206	231	114	74	195	121	195	121

Temperatures (Fahrenheit), 1894.

MONTH.	LAKE COCHITUATE.			BASIN 2.			BASIN 3.			BASIN 4.			BASIN 6.		
	Sur.	Mid.	Bot.	Sur.	Mid.	Bot.	Sur.	Mid.	Bot.	Sur.	Mid.	Bot.	Sur.	Mid.	Bot.
January	35.1	36.7	37.6	33.2	35.7	34.7	33.0	34.3	36.0	33.3	33.7	34.1	...	...	...
February	35.9	37.2	37.8	33.0	34.3	35.2	33.1	34.7	36.5	33.3	34.0	35.5	...	...	...
March	39.7	39.7	40.1	40.0	40.5	41.0	38.9	40.1	41.1	39.5	39.5	39.8	...	...	...
April	46.8	42.7	41.4	47.6	47.6	47.6	46.2	46.2	46.5	48.1	45.5	44.3	...	...	...
May	61.5	45.1	41.7	63.8	62.1	61.0	61.7	60.4	58.5	60.3	55.8	48.0	60.8	56.5	47.9
June	70.8	48.9	42.4	73.0	70.6	66.4	70.9	69.4	63.3	70.4	62.0	51.7	71.7	60.0	51.7
July	77.7	47.6	42.7	78.5	75.7	74.8	77.0	74.0	69.6	77.2	61.9	52.5	79.0	57.7	52.0
August	75.2	47.7	43.0	72.9	72.3	71.1	71.9	71.1	69.6	72.5	58.8	52.0	74.0	59.8	52.8
September	68.1	46.7	42.9	67.9	67.6	67.4	69.3	68.9	68.3	68.8	66.6	64.8	69.8	65.0	54.0
October	55.8	48.6	43.2	54.5	54.6	54.6	55.6	55.8	56.0	56.0	55.8	55.8	58.0	58.0	56.5
November	43.4	43.5	44.7	38.2	38.8	38.6	41.2	40.4	41.2	42.1	41.8	41.6	42.3	42.0	41.8
December	37.3	37.5	39.0	35.0	35.2	35.3	35.4	34.9	31.1	37.0	37.1	37.1	35.0	35.5	35.5
Mean	53.8	43.6	41.4	53.1	52.8	52.3	52.9	52.5	51.8	53.2	49.4	46.4	...	...	...

**Temperatures (Fahrenheit), 1894.**

MONTH.	CHESTNUT HILL RESERVOIR GATE-HOUSES.			CHESTNUT HILL RESERVOIR.			BROOKLINE GATE-HOUSE.	TAPS.	
	Sudbury.	Cochituate.	Effluent.	Surface.	Middle.	Bottom.		Park Sq.	Mattapan.
January . . . . .	35.8	38.3	37.1	36.8	36.8	37.1	37.2	41.3	39.6
February . . . . .	35.6	37.6	36.3	. . .	. . .	. . .	36.8	37.0	38.1
March . . . . .	40.0	41.2	41.1	42.5	42.7	43.0	41.0	41.9	38.9
April . . . . .	45.7	46.1	45.2	45.9	44.7	44.7	45.4	46.4	43.1
May . . . . .	60.4	59.9	59.9	61.1	60.3	56.4	60.6	59.3	51.1
June . . . . .	66.0	65.9	64.9	70.2	67.1	62.1	66.4	66.3	57.7
July . . . . .	73.6	75.3	73.3	77.5	73.8	60.6	75.1	73.6	63.9
August . . . . .	71.9	72.8	72.5	73.3	72.0	65.6	72.9	72.4	66.3
September . . . . .	67.5	69.1	68.9	69.3	68.2	67.1	68.7	69.3	63.0
October . . . . .	56.5	57.6	57.4	57.3	57.2	57.1	57.4	58.0	59.2
November . . . . .	43.6	45.6	43.8	43.5	44.0	43.8	44.1	46.4	50.6
December . . . . .	36.9	37.9	36.0	. . .	. . .	. . .	37.6	38.7	42.8
Mean . . . . .	52.8	53.9	53.0	54.2	53.5	51.1	53.6	54.2	51.2

Colors, 1894. (Platinum.)

MONTH.	LAKE COCHITUADE.					BASIN 2.					BASIN 3.					BASIN 4.					BASIN 6.					
	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	Sur.	Mid.	Bot.	Mean.	Influent.	
January . . . . .	.23	.25	.30	.26	.67	.92	.92	.91	.92	.86	.71	.72	.70	.71	.82	.92	.94	.93	.93	.99	. . .	. . .	. . .	. . .	. . .	. . .
February . . . . .	.22	.24	.28	.25	.59	.73	.75	.76	.75	.76	.71	.71	.73	.72	.79	.80	.81	.81	.81	.88	. . .	. . .	. . .	. . .	. . .	. . .
March . . . . .	.21	.28	.30	.26	.65	.77	.76	.76	.76	.82	.63	.66	.66	.65	.85	.77	.77	.79	.78	.96	. . .	. . .	. . .	. . .	. . .	. . .
April . . . . .	.28	.30	.30	.29	.84	.77	.77	.78	.77	.87	.71	.71	.72	.71	.92	.72	.73	.74	.73	.93	. . .	. . .	. . .	. . .	. . .	. . .
May . . . . .	.27	.28	.30	.28	1.04	.95	.96	.98	.96	1.25	.81	.78	.78	.79	1.45	.74	.74	.74	.74	1.42	.73	.72	.72	.72	.72	1.80
June . . . . .	.26	.26	.52	.35	.70	1.18	1.20	1.18	1.19	1.20	1.02	1.05	1.01	1.03	1.60	.77	.78	.70	.75	1.59	.78	.79	.76	.78	.78	2.00
July . . . . .	.26	.27	1.01	.51	.62	.85	.83	.84	.84	.87	.90	.90	.88	.89	1.09	.70	.74	.71	.72	.98	.75	.76	.82	.78	.78	1.52
August . . . . .	.25	.26	1.37	.63	.31	.76	.75	.79	.77	1.02	.76	.78	.79	.78	1.16	.69	.67	.66	.67	.75	.58	.76	1.16	.83	1.17	1.17
September . . . . .	.25	.29	1.25	.59	.40	.80	.82	.79	.80	.91	.71	.71	.71	.71	.85	.57	.58	.59	.58	.60	.53	.61	1.44	.86	1.12	1.12
October . . . . .	.24	.25	1.02	.50	.71	.75	.75	.76	.75	.77	.71	.72	.71	.71	.84	.53	.52	.52	.52	.69	.48	.49	.50	.49	1.04	1.04
November . . . . .	.34	.34	.37	.35	.58	1.07	1.09	1.07	1.08	1.15	.73	.72	.70	.72	1.21	.54	.54	.54	.54	1.44	.45	.47	.47	.47	.46	1.40
December . . . . .	.33	.33	.36	.34	.58	1.11	1.11	1.15	1.12	1.06	.85	.85	.85	.85	.92	.68	.69	.75	.71	1.20	.54	.55	.57	.55	.55	1.39
Mean . . . . .	.26	.28	.62	.38	.64	.89	.89	.90	.89	.96	.77	.77	.77	.77	1.0	.70	.71	.71	.71	1.04	.61	.64	.81	.69	.69	1.39

## Colors, 1894. (Platinum.)

MONTH.	CHESTNUT HILL RESERVOIR GATE-HOUSES.			CHESTNUT HILL RESERVOIR.			BROOKLINE GATE- HOUSE.	TAPS.	
	Sudbury.	Cochituate.	Effluent.	Surface.	Middle.	Bottom.		Park Sq.	Mattapan.
January . . . . .	.83	.23	.64	.63	.63	.65	.56	.60	.57
February . . . . .	.68	.23	.59	. . .	. . .	. . .	.50	.56	.50
March . . . . .	.65	.27	.54	.55	.56	.56	.45	.54	.47
April . . . . .	.72	.27	.53	.54	.55	.56	.45	.53	.45
May . . . . .	.85	.26	.55	.55	.55	.55	.48	.54	.46
June . . . . .	1.06	.27	.57	.62	.62	.56	.58	.59	.53
July . . . . .	.87	.25	.65	.65	.67	.54	.59	.63	.56
August . . . . .	.74	.25	.53	.53	.53	.75	.50	.51	.46
September . . . . .	.76	.24	.54	.56	.55	.55	.54	.54	.48
October . . . . .	.68	.26	.49	.51	.51	.50	.47	.49	.43
November . . . . .	.94	.28	.58	.60	.58	.58	.49	.59	.51
December . . . . .	.94	.31	.77	. . .	. . .	. . .	.60	.71	.64
Mean . . . . .	.81	.26	.58	.58	.58	.58	.52	.57	.51

Bacteria, 1894.

MONTH.	CHESTNUT HILL RESERVOIR GATE-HOUSES.			CHESTNUT HILL RESERVOIR.			BROOKLINE GATE-HOUSE.	TAPS.	
	Sudbury.	Cochituate.	Effluent.	Surface.	Middle.	Bottom.		Park Square.	Mattapan.
January . . . . .	294	20	97	81	168	236	52	73	54
February . . . . .	436	141	148	. . .	. . .	. . .	70	42	84
March . . . . .	137	74	110	48	101	110	40	32	30
April . . . . .	48	22	76	25	77	50	57	32	72
May . . . . .	54	58	71	152	260	298	47	30	107
June . . . . .	65	248	90	36	180	187	80	157	92
July . . . . .	789	1,553	1,080	169	647	650	164	46	80
August . . . . .	26	192	221	100	569	701	83	102	65
September . . . . .	65	192	219	69	152	432	64	109	60
October . . . . .	95	387	242	38	181	225	126	29	42
November . . . . .	85	161	228	48	120	299	37	50	30
December . . . . .	49	44	124	. . .	. . .	. . .	17	27	22
Mean . . . . .	179	258	226	77	246	319	70	61	62





WATER-SUPPLY DEPARTMENT.

Maintenance. — Western Division, February 1, 1894, to January 31, 1895.

DRAFTS.	Western Division.	Basins.	Subdry Aqueduct.	Cochituate Aqueduct.	Lake Cochituate.	Pegan Filters.	Chestnut Hill Reservoir.	Chestnut Hill Driveway.	Brookline Reservoir.	Fisher Hill Reservoir.	Biological Dept.	Inspection Dept.	Filtration.	Totals.
January 1, 1894 . . . . .	\$298 71	\$310 22	\$202 59	\$54 78	\$560 00	\$109 15	\$980 89	\$48 64	. . . . .	. . . . .	\$82 57	\$10 25	\$253 16	\$3,001 56
February 1, " . . . . .	1,106 88	525 70	574 79	137 75	179 00	303 89	1,089 88	892 72	\$127 75	\$67 50	311 86	454 36	478 83	6,280 91
March 1, " . . . . .	1,662 36	382 30	537 00	225 83	1,050 30	402 68	1,197 01	781 77	81 50	167 75	369 27	382 72	486 99	7,737 48
May 1, " . . . . .	1,713 39	969 90	512 66	513 05	330 07	551 65	1,068 91	949 28	89 75	127 25	343 54	412 36	420 05	8,002 46
June 1, " . . . . .	2,183 39	534 87	476 84	106 11	160 96	421 24	979 84	678 23	79 00	146 00	376 10	408 81	374 63	6,926 02
July 1, " . . . . .	2,229 38	787 75	467 43	120 42	200 72	420 78	1,773 25	1,039 35	61 90	108 15	331 12	395 02	415 28	8,348 55
August 1, " . . . . .	2,156 79	878 86	608 84	112 50	204 78	238 04	1,131 01	1,042 30	133 00	176 00	253 96	882 46	639 28	8,475 82
September 1, " . . . . .	2,023 39	600 86	548 83	191 84	268 38	264 45	939 63	1,620 83	33 25	69 75	289 73	392 76	410 39	7,654 06
October 1, " . . . . .	2,506 26	415 41	693 79	136 56	287 29	514 71	1,901 22	1,137 92	164 75	172 00	384 05	471 55	450 16	9,235 64
November 1, " . . . . .	1,784 67	416 61	514 77	268 21	485 75	7,941 44	995 78	883 69	81 47	288 95	314 35	369 92	400 81	14,746 42
December 1, " . . . . .	2,363 82	463 25	480 31	322 36	1,937 83	307 04	1,155 31	1,288 87	163 85	401 30	268 54	514 94	249 47	9,986 89
January 1 and 31, 1895,	2,659 38	632 59	930 72	196 31	325 33	512 11	2,208 43	1,824 78	120 25	819 49	486 39	757 47	197 00	11,670 25
Totals . . . . .	\$22,688 42	\$6,918 22	\$6,558 57	\$2,395 72	\$5,990 98	\$12,075 18	\$15,421 16	\$12,188 38	\$1,156 47	\$2,632 14	\$3,811 48	\$5,452 62	\$4,776 62	\$102,066 06

**Table of Rainfall at Chestnut Hill Reservoir for Year ending December 31, 1894.**

DATE.	Inches.	Snow or Rain.	Duration.	DATE.	Inches.	Snow or Rain.	Duration.
Jan. 5	0.02	Rain.	11.45 a.m. to 6.30 p.m.	Mar. 25	0.04	Rain and Snow.	2.00 p.m. to
" 6	0.04	Snow.	6.30 p.m. to 11.45 p.m.	" 26			6.15 a.m.
" 10	0.17	"	2.15 p.m. to 11.45 p.m.	" 29			0.22
" 15	0.30	Rain.	10.00 p.m. to	Total.	1.14		
" 16			7.30 a.m.				
" 18	0.14	"	10.00 p.m. to	Apr. 4	0.43	Rain.	10.00 a.m. to 9.30 p.m.
" 19			7.00 a.m.	" 6	0.02	"	9.25 a.m. to 3.00 p.m.
" 24	0.43	"	3.00 p.m. to	" 7	1.08	Snow.	10.30 p.m.
" 25			4.00 a.m.	" 8			to
" 26	1.30	Snow.	10.00 p.m. to	" 9			1.30 p.m.
" 27			5.00 p.m.	" 11	7.00 p.m.		
" 29	1.50	Snow and Rain.	2.00 p.m. to	" 12	1.41	Snow and Rain.	to
" 30			2.30 p.m.	" 13			8.00 a.m.
Total.	3.90			" 14			
Feb. 4	0.23	Snow.	2.30 p.m. to	" 21	0.08	Rain.	11.40 a.m. to 5.30 p.m.
" 5			2.30 a.m.	" 24	0.22	"	1.45 p.m. to 11.45 p.m.
" 9	0.68	Snow and Rain.	12.45 p.m. to	Total.	3.24		
" 10			1.15 p.m.				
" 12	1.20	Snow.	4.25 p.m. to	May 4	0.26	Rain.	5.30 p.m. to 11.30 p.m.
" 13			3.30 p.m.	" 5	0.30	"	6.30 p.m. to
" 15	0.95	Snow and Rain.	1.30 a.m. to 4.00 p.m.	" 6			11.30 a.m.
" 18	0.36	Rain.	5.00 a.m. to 2.30 p.m.	" 19	0.65	"	12.05 a.m. to 3.30 a.m.
" 19	0.35	"	3.35 p.m. to	" 20	0.07	"	6.00 a.m. to
" 20			4.45 a.m.	" 21			3.30 p.m.
" 26	0.04	Snow.	9.00 a.m. to 4.30 p.m.	" 23	0.95	"	11.30 a.m. to
Total.	3.81			" 24			8.00 p.m.
Mar. 14	0.12	Rain.	12.30 a.m. to 2.30 p.m.	" 25	0.05	"	6.00 p.m. to 7.30 p.m.
" 15	0.15	Snow.	3.50 p.m. to 8.30 p.m.	" 29	1.17	"	2.00 a.m. to 11.45 a.m.
" 21	0.04	Rain.	1.20 p.m. to 5.00 p.m.	" 31	0.82	"	2.45 a.m. to 11.50 p.m.
" 22	0.57	"	6.15 p.m. to	Total.	4.27		
" 23			2.00 p.m.				

Table of Rainfall at Chestnut Hill Reservoir. — *Concluded.*

DATE.	Inches.	Snow or Rain.	Duration.	DATE.	Inches.	Snow or Rain.	Duration.
June 2	} 0.15	Rain.	6.40 p.m. to	Oct. 4	} 0.46	Rain.	4.00 a.m. to
" 3			3.00 a.m.	" 5			7.30 a.m.
" 21			0.05	"			12.50 p.m. to 1.10 p.m.
Total.	0.20			" 10	1.72	"	5.30 a.m. to 5.00 p.m.
July 3	} 0.13	Rain.	5.00 a.m. to 7.45 a.m.	" 13	} 1.32	"	12.30 p.m. to
" 3			2.20 p.m. to 2.40 p.m.	" 14			3.30 a.m.
" 14			0.07	"			12.40 p.m. to 1.00 p.m.
" 21	1.13	"	1.00 p.m. to 2.00 p.m.	" 26	4.30 a.m.		
" 22	0.31	"	3.00 a.m. to 7.45 a.m.	" 30	} 0.52	"	8.30 a.m. to
" 24	0.80	"	2.15 a.m. to 3.15 p.m.	" 31			5.00 p.m.
" 25	0.82	"	6.30 p.m. to 8.30 p.m.	Total.	6.04		
" 29	0.07	"	9.00 p.m. to 10.00 p.m.	Nov. 3	0.60	Rain.	7.45 a.m. to 12.50 p.m.
Total.	3.33			" 5	} 1.43	Rain and Snow.	8.50 a.m. to
Aug. 3	0.12	Rain.	7.00 a.m. to 1.00 p.m.	" 6			6.45 a.m.
" 4	0.03	"	6.30 a.m. to 10.00 a.m.	" 8			0.37
" 9	0.27	"	4.00 a.m. to 8.30 a.m.	" 9	} 0.30	Snow and Rain.	1.30 p.m. to
" 9	} 0.10	"	9.00 p.m. to	" 10			10.30 a.m.
" 10			6.30 a.m.	" 14			0.17
" 13	0.25	"	4.30 a.m. to 10.00 a.m.	" 17	0.11	"	10.30 a.m. to 4.15 p.m.
" 14	0.10	"	5.00 a.m. to 7.15 a.m.	" 21	0.21	"	8.45 a.m. to 7.30 p.m.
" 20	1.40	"	11.50 a.m. to 4.30 p.m.	" 25	0.12	Snow.	1.00 a.m. to 12.30 p.m.
Total.	2.27			" 30	0.10	"	12.45 p.m. to 9.00 p.m.
Sept. 6	0.05	Rain.	3.00 a.m. to 6.15 a.m.	Total.	3.41		
" 8	0.34	"	3.00 p.m. to 9.30 p.m.	Dec. 2	0.47	Snow.	8.15 a.m. to 6.45 p.m.
" 10	0.02	"	6.30 p.m. to 7.30 p.m.	" 8	} 0.78	Snow and Rain.	12.30 p.m. to
" 15	0.12	"	5.00 a.m. to 6.00 a.m.	" 9			11.30 p.m.
" 17	0.15	"	9.30 a.m. to 12.15 p.m.	" 11			} 0.94
" 19	} 1.82	"	1.30 p.m. to	" 12	7.30 p.m.		
" 20			9.30 a.m.	" 25	0.22	Rain.	1.00 a.m. to 6.15 a.m.
Total.	2.50			" 26	} 1.65	Snow and Rain.	8.30 p.m. to
Oct. 4	} 0.46	Rain.	4.00 a.m. to	" 27			1.30 p.m.
" 5			7.30 a.m.	Total.	4.06		

NOTE. — Total Rainfall for year, 38.17 inches.

## APPENDIX B.

REPORT OF THE SUPERINTENDENT OF THE  
EASTERN DIVISION.

WATER-SUPPLY DEPARTMENT, EASTERN DIVISION.  
BOSTON, MASS., February 1, 1895.

COL. THOMAS F. DOHERTY,  
*Chairman Boston Water Board:*

DEAR SIR: I herewith respectfully submit the annual report of the Eastern Division for the year ending January 31, 1895:

## EXTENSION OF MAINS.

During the year there have been laid 17.9 miles of pipe mains, and 27,111 feet of pipe have been abandoned, making a total of 572.8 miles now connected with the system.

A 36-inch force main was laid from the High Service Pumping Station at Chestnut Hill to Fisher Hill Reservoir, and there was also a 20-inch main laid in Brookline through Centre, Harvard, and Fuller streets. This pipe was laid by the town of Brookline, we furnishing the pipe and paying them for the labor.

The work of relaying a 20-inch and a 12-inch pipe across Dover-street bridge is almost complete, there being only a small piece on the South Boston side to take up, and this we expect to do as soon as the weather permits.

There were laid for the Park Department system 1,505 feet of 8-inch pipe through Jamaicaaway between Perkins and Pond and Pond and Prince streets. This pipe is not included in the total number of miles laid in our system.

## STOP-COCKS.

The number of stop-cocks established during the year was 241. Of this number there were two 36-inch connected with the 36-inch force main, and in addition to these there was a 36-inch check-valve put on. Forty-eight stop-cocks were abandoned, making the total number now in service 6,359, all of which have received the usual attention in matters of oiling, testing, etc.

## HYDRANTS.

Two hundred and forty-nine hydrants were established and 74 abandoned, making a net increase for the year of 175, and there are now 6,217 in service connected with the system.

Sixteen of the new-pattern post hydrants with independent shut-off were put in during the year. There are still 1,125 Boston hydrants, old pattern, in service, and I recommend that during this coming season 100 of them be replaced by hydrants of the Lowry or Post pattern.

Special attention has been paid to all complaints made by the Fire Department, such as raising or lowering hydrant barrels or boxes. All hydrants have been examined and oiled frequently during the summer, and have also had their usual care during the cold weather. The Fire Department is furnished by this department with the salt used on hydrants, and we have delivered of this to the various houses of the department during the year 4,734 sacks.

## SERVICE-PIPES.

Most of the pipes that were connected with the Jamaica Pond system have been relaid and connected to our pipes during the year. They were in most cases  $\frac{1}{2}$ -inch pipes which did not give a sufficient supply, and were replaced by  $\frac{5}{8}$ -inch.

Under the present law of laying out new streets we were obliged to lay 103 pipes in Newbury street, 55 in Ivy street, 74 in Mountfort street, 128 in Parker street, and 32 in St. Germain street, making a total of 392 pipes from which no revenue is derived at present.

During the year 2,451 service-pipes have been laid, with an aggregate length of 59,781 feet, and 481 have been abandoned, making a net increase of 1,970 pipes during the year.

## WATER-POSTS.

Twenty-nine water-posts were erected, and 4 abandoned, making the number now in use 366. These are erected at the request of the Superintendent of Streets or his agent. All repairs on them are made by us, and charged to the Street Department.

## FOUNTAINS.

Fountains have had their usual care during the year. Two for the use of man have been erected: one on Dale

street opposite Washington park, and the other on Dudley street, at Guild row. That at Union Depot was changed from a single to a double fountain. In East Boston the fountain for the use of animals, situated on Bennington street, corner of Chelsea street, was replaced by a new one.

From a humane consideration and a love for dumb animals, I would suggest that too many of these fountains cannot be established.

#### RESERVOIRS.

*East Boston.*—The bank on the north of the reservoir was sowed with grass-seed in the spring, and rammed. The fence around the grounds was painted, together with the house that is used as the headquarters for the men of the district. All the grounds have been paid their usual attention.

*Parker Hill.*—During the summer special attention was paid to the care of the grounds; the keeper's house was painted, as was the gate-house, steps, and the fence around the grounds.

*South Boston.*—Owing to the care they have received, the grounds are in exceptionally good condition. A sad accident occurred December 25. One Alexander Wilkinson, an eight-year old boy, while skating, broke through the ice and was drowned. His body was recovered. To avoid further accidents of like nature, the ice has since been broken up.

#### HIGH-SERVICE TANKS.

The tanks at Mt. Bellevue and Breed's island are in good condition. During the coming year it will be necessary to paint both of them. The surrounding grounds are in good condition.

#### METERS.

*Cochituate Division.*—Four hundred and twenty-four meters have been set, 131 have been discontinued, and 6 have been lost in service, making a net gain of 287, and the total number now in use, 4,333.

*Mystic Division.*—Fifty-five have been set, and 22 discontinued, making a net increase of 33, and the total now in service, 494.

## WASTE DETECTION.

Premises examined . . . . .	69,239
“ on which defective fixtures were found,	11,035
“ reëxamined . . . . .	12,701
Second notice to repair . . . . .	1,525
Wilful-waste notices issued . . . . .	123

The defective fixtures may be divided into the following classes :

Ball-cocks and valves . . . . .	7,333
Faucets, sink-bowls, hopper, and bath-tubs .	4,524
Service-pipes burst inside building . . . . .	72
Wilful waste . . . . .	123

In connection with the Deacon meter system, out of 2,504 night examinations by means of the sidewalk stop-cocks, there were found 765 defective fixtures, and 41 wilful waste. There were also 100 hand-hose reported for non-payment.

## DEACON METER SYSTEM.

Work was commenced April 1, and ended for the season December 1. During this period all sections on the Cochituate system were tested once, and most of them twice. On the Mystic system there were no tests made, partly on account of the main being laid through Chelsea street, and later on account of the dry summer and consequent fall of Mystic lake.

There are now connected with the system 83 meters ; 76 on the Cochituate and 7 on the Mystic.

The following table shows a summary of the results attained :





## HIGH-SERVICE STATIONS.

*Chestnut Hill.*—No. 1 pump has been overhauled, and such parts as were found to be badly worn were taken out and their dimensions taken for new pieces, with which they will be replaced as soon as possible.

The same may be said of No. 2 pump. The boilers have been carefully examined and such repairs and additions as were necessary have been made. The dynamo engines have been overhauled and the armature taken out and repaired.

The new Engine No. 3 was started for the first time on December 2, and has received several trials to date.

*East Boston and West Roxbury Stations.*—There is little to say regarding these stations. They have been well cared for and are in good condition.

## MAINTENANCE.

Owing to the large amount of other work on hand during the past season, we have been unable to reach that of relaying a number of streets in the city proper, for which we have the permission of your Board. I hope to complete this work during the coming season, as a longer delay would be dangerous.

Of repairs on pipes of all sizes we have made 1,703 during the year. Of those on main pipes (349) we have found the most numerous causes to be defective joints (126), defective packing (101), and defective stop-cocks (25). The causes of leaks and stoppages on service-pipes, which number 1,354, are many, but chief among them are: Rust, 501; fish, 50; struck by pick, 153; settling of earth, 222. It will be seen that these are causes which cannot well be guarded against. On the whole, considering the amount of excavation performed by other departments, as well as by outside corporations, and the severity of the winter so far, I feel that we have been very fortunate. The following tables show in detail the work performed by this department:

Table showing the Length of Supply and Distribution of Mains Laid and the Number of Stop-cocks Established During the Year of 1894 and the Length Connected with the Sudbury and Cochrane Works January 31, 1895.

		DIAMETER OF PIPES IN INCHES.												Total.			
		60	48	40	36	30	28	24	20	16	12	10	8	6	4	3	
EASTERN DIVISION.																	
Length in use Jan. 31, 1894, . . .	25,571	23,054	7	14	20,844	60,974	244	58,064	59,394	72,471	825,742	49,195	356,037	1,232,760	137,929	11,356	2,933,635
Stop-cocks in same . . . . .	1					25		49	37	107	1,255	65	698	3,244	657	7	6,166
Length laid or relaid during the year . . . . .				5,454		1,490		1,299	4,794	4,158	24,056	4,900	22,205	25,603	515		94,384
Stop-cocks in same . . . . .				2		5		1	3	5	52	9	41	116	7		241
Length abandoned during the year . . . . .								2,489	2,705		2,547	900	3,125	7,942	5,103	2,300	27,111
Stop-cocks in same . . . . .								3	3		5	2	2	19	9	5	48
Length in use Jan. 31, 1895, . . .	25,571	23,054	7	26,298	62,464	244	56,784	61,483	76,629	847,251	53,195	375,117	1,250,421	133,341	9,056	3,000,908	
Stop-cocks in same . . . . .	1			16	30		47	37	112	1,302	72	737	3,341	655	2	6,359	
WESTERN DIVISION.																	
Length in use Jan. 31, 1895, 266	16,051	1,435		1,166	2,140					20	2,043						23,481
Stop-cocks in same . . . . .	5			3						2	4						16
Total connected with works Jan. 31, 1895 . . . . .	266	41,622	24,489	27,464	64,604	244	56,784	61,483	76,649	849,294	53,195	375,117	1,250,781	133,341	9,056	3,024,389 ft.	572.8 miles.

Statement of Hydrant, Blow-Off, and Reservoir Pipes, January 31, 1895.

	DIAMETER IN INCHES.						TOTAL.
	16	12	9	8	6	4	
Total length in use, January 31, 1894 . . . . .	272	6,938	2,003	28	17,859	10,788	38,878
Length laid or relaid during the year . . . . .	. . . . .	32	. . . . .	. . . . .	1,881	120	2,033
Length abandoned during the year . . . . .	. . . . .	. . . . .	18	. . . . .	64	101	243
	272	6,970	2,975	28	19,876	10,747	40,068

Statement of Service-Pipes Laid and Abandoned during the Year ending January 31, 1895.

SIZE OF SERVICE.	BOSTON.		SOUTH BOSTON.		EAST BOSTON.		ROXBURY.		DORCHESTER.		W. ROXBURY.		BRIGHTON.		TOTAL.	
	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.
6-inch laid . . . . .	2	288	1	24	.	.	.	.	.	.	.	.	.	.	3	312
6 " abandoned . . . . .	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
4 " laid . . . . .	32	700	3	94	2	67	3	84	1	151	.	.	1	22	42	1,118
4 " abandoned . . . . .	7	140	2	73	.	.	1	14	.	.	.	.	.	.	10	227
3 " laid . . . . .	6	115	1	36	1	13	2	44	3	126	3	162	1	19	17	515
3 " abandoned . . . . .	6	151	.	.	.	.	.	.	.	.	.	.	.	.	6	151
2 " laid . . . . .	5	149	.	.	1	37	4	84	.	.	1	7	5	69	16	346
2 " abandoned . . . . .	5	43	.	.	.	.	6	52	.	.	.	.	.	.	15	119
1½" laid . . . . .	5	146	1	57	.	.	4	88	1	30	.	.	11	87	22	408
1½" abandoned . . . . .	.	.	.	.	2	34	.	.	1	30	.	.	3	6	6	70
1¼" laid . . . . .	20	539	2	50	2	73	8	310	2	51	3	78	3	43	40	1,144
1¼" abandoned . . . . .	.	.	.	.	.	.	1	2	1	4	.	.	3	68	5	74
1 " laid . . . . .	39	959	6	177	5	87	16	277	2	80	8	190	5	183	81	1,953
1 " abandoned . . . . .	8	158	.	.	.	.	10	220	2	51	.	.	1	50	21	479
¾" laid . . . . .	37	1,015	1	49	2	58	17	560	5	199	5	104	3	73	70	2,058
¾" abandoned . . . . .	3	70	1	19	.	.	4	46	2	61	.	.	1	23	11	219

“ laid . . . . .	98	2,279	98	2,485	121	3,231	894	21,219	620	15,091	263	6,133	65	1,411	2,159	51,849
“ abandoned . . . . .	89	2,056	13	314	18	251	50	592	15	301	13	248	10	431	208	4,193
“ laid . . . . .	1	78	1	78	1	1	1	1	1	1	1	1	1	1	1	78
“ abandoned . . . . .	6	321	10	287	6	180	171	3,504	4	58	1	1	1	58	198	4,408
Total laid . . . . .	244	6,190	114	3,050	134	3,566	948	22,666	634	15,728	283	6,674	94	1,907	2,451	59,781
Total abandoned . . . . .	125	2,439	26	693	26	465	243	4,430	25	505	13	248	23	660	481	9,940
Net increase . . . . .	119	3,251	88	2,357	108	3,101	705	18,236	609	15,223	270	6,426	71	1,247	1,970	49,841

### Statement of Location, Size, and Number of Feet of Pipe Laid during the Year ending January 31, 1895.

NOTE.—B., indicates Boston; So. B., South Boston; E. B. East Boston; Rox., Roxbury;  
Dor., Dorchester; W. R., West Roxbury; Bri., Brighton; Brk., Brookline;  
Chn., Charlestown.

In what Street.	Between what Streets.	District.	Size.	Length.
In the field . . . . .	Chestnut Hill ave. and Pumping-station .	Bri.	36-in.	2,129
Chestnut Hill ave. . .	Beacon st. and Brookline line . . . . .	"	"	169
" " " . . . . .	Fisher ave. and Boston line . . . . .	Brk.	"	588
Fisher ave. . . . .	Chestnut Hill ave. and Fisher Hill Resv.	"	"	2,618
	Total 36-inch . . . . .			<u>5,454</u>
Chelsea st. . . . .	On Chelsea bridge . . . . .	Chn.	30-in.	1,375
Fisher ave. . . . .	At Fisher Hill Reservoir . . . . .	Brk.	"	95
In the field . . . . .	Chestnut Hill ave. and Pumping-station .	Bri.	"	20
	Total 30-inch . . . . .			<u>1,490</u>
Chelsea st. . . . .	Scott's court and Chelsea bridge . . . .	Chn.	24-in.	384
Perkins st. . . . .	Prince st. and Jamaica Way . . . . .	W. R.	"	825
	Total 24-inch . . . . .			<u>1,209</u>
Dover st. . . . .	Harrison ave. and Foundry st. . . . .	B.	20-in.	646
W. Fourth st. . . . .	Foundry st. and Dorchester ave. . . . .	So. B.	"	382
Perkins st. . . . .	Prince st. and Jamaica Way . . . . .	W. R.	"	300
Centre st. . . . .	Beacon st. and Fuller st. . . . .	Brk.	"	1,666
Harvard st. . . . .	Fuller st. and Boston line . . . . .	"	"	1,413
Fuller st. . . . .	Harvard st. and Centre st. . . . .	"	"	387
	Total 20-inch . . . . .			<u>4,794</u>
Ashby st. . . . .	Across Commonwealth ave. . . . .	Rox.	16-in.	30
Seaver st. . . . .	Humboldt ave. and Walnut ave. . . . .	"	"	1,330
Talbot ave. . . . .	Washington st. and Ashmont st. . . . .	Dor.	"	2,798
	Total 16-inch . . . . .			<u>4,158</u>
Canal st. . . . .	Market and Travers sts. . . . .	B.	12-in.	309
Beach st. . . . .	Washington st. and Harrison ave. . . .	"	"	346
Washington st. . . . .	Beach st. and Boylston sq. . . . .	"	"	131
Milk st. . . . .	Batterymarch and Broad sts. . . . .	"	"	141
Causeway st. . . . .	Lancaster and Nashua sts. . . . .	"	"	27
	Carried forward . . . . .			<u>954</u>

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			954
Nashua st. . . . .	Causeway and Minot sts. . . . .	B.	12-in.	24
Dover st. . . . .	Harrison ave. and Foundry st. . . . .	"	"	648
Albany st. . . . .	Bristol and Troy sts. . . . .	"	"	636
D st. . . . .	Ninth and Dorchester ave. . . . .	S. B.	"	172
Meridian st. . . . .	Condor st. and the bridge . . . . .	E. B.	"	172
Orient ave. . . . .	Walley and Farrington sts. . . . .	"	"	411
Walley st. . . . .	Gladstone st. and Orient ave. . . . .	"	"	62
Tower st. . . . .	Montmorenci and Orient ave. . . . .	"	"	298
Chelsea st. . . . .	Curtis st. and the bridge . . . . .	"	"	454
Addison st. . . . .	. . . . .	"	"	14
Kemble st. . . . .	Gerard and Magazine sts. . . . .	Rox.	"	285
St. Alphonsus st. . . . .	Smith and Tremont sts. . . . .	"	"	200
Massachusetts ave. . . . .	Chesterfield and Magazine sts. . . . .	"	"	872
Parker st. . . . .	Westland and Huntington aves. . . . .	"	"	1,745
Gainsborough st. . . . .	Parker and Falmouth sts. . . . .	"	"	24
Lawn st. . . . .	Heath and Hayden sts. . . . .	"	"	135
Geneva ave. . . . .	Columbia and Wilder sts. . . . .	Dor.	"	481
W. Selden st. . . . .	Morton st. and Cook ct. . . . .	"	"	2,261
Rockville st. . . . .	Blue Hill ave. and Oakland st. . . . .	"	"	425
Oakland st. . . . .	Rockville st. and N. Y. & N. E., R.R. . . . .	"	"	545
Rosewood st. . . . .	Off Oakland st. . . . .	"	"	368
Romsey st. . . . .	Sagamore and Saxton sts. . . . .	"	"	139
Blue Hill ave. . . . .	Tremont and Norfolk sts. . . . .	"	"	136
Hillside st. . . . .	Off Richview st. . . . .	"	"	165
Glen road . . . . .	Erie ave. and Read st. . . . .	"	"	236
Welles ave. . . . .	Dorch. ave. and N. Y., N. H. & H. R.R. . . . .	"	"	123
Bloomfield st. . . . .	Off Geneva ave. . . . .	"	"	1,262
Geneva ave. . . . .	Josephine and Bloomfield sts. . . . .	"	"	70
Lauriat ave. . . . .	Don st. and Mountain ave. . . . .	"	"	53
Belleflower st. . . . .	Boston st. and Dor. ave. . . . .	"	"	374
Morton st. . . . .	Sanford and Oakridge sts. . . . .	"	"	598
Geneva ave. . . . .	Westville and Oakley sts. . . . .	"	"	36
Jamaicaway . . . . .	Perkins and Pond sts. . . . .	W. R.	"	1,338
	<i>Carried forward</i> . . . . .			15,716

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			15,716
Canterbury st. . . . .	Perkins and Clifford sts. . . . .	W. R.	12-in.	475
Park st. . . . .	Montview and Centre sts. . . . .	"	"	709
Centre st. . . . .	Hewlett and Farquhar sts. . . . .	"	"	120
Gould st. . . . .	Off Belle ave. . . . .	"	"	231
Beech st. . . . .	Newburg and Anawan aves. . . . .	"	"	774
Mt. Vernon st. . . . .	Temple and LaGrange sts. . . . .	"	"	1,008
Commonwealth ave. . . . .	Brighton ave. and Allston st. . . . .	Bri.	"	2,324
" " . . . . .	Brighton ave. and Essex st. . . . .	"	"	2,314
" " . . . . .	Berwick and Strathmore roads . . . . .	"	"	143
Faneuil st. . . . .	Market and Parsons sts. . . . .	"	"	190
Chestnut Hill ave. . . . .	At Beacon st. . . . .	"	"	52
	Total 12 inch . . . . .			<u>24,056</u>
Dartmouth st. . . . .	Newbury and Marlboro' sts. . . . .	B.	10-in.	200
Fairfield st. . . . .	" " " " . . . . .	"	"	203
Hereford st. . . . .	" " " " . . . . .	"	"	199
Falmouth st. . . . .	Norway and St. Paul sts. . . . .	"	"	33
Haverhill st. . . . .	Causeway and the water . . . . .	"	"	384
St. Germain st. . . . .	Massachusetts ave. and Dalton st. . . . .	"	"	352
Broad st. . . . .	Milk and Wharf sts. . . . .	"	"	501
Marine park . . . . .	Off Q st. . . . .	S. B.	"	844
Mountford st. . . . .	Arundel and St. Mary sts. . . . .	Rox.	"	376
Intervale st. . . . .	Off Blue Hill ave. . . . .	"	"	411
Roxton st. . . . .	Glen road and Greenwood st. . . . .	Dor.	"	333
Bellevue st. . . . .	Robin and Martin sts. . . . .	W. R.	"	492
Landseer st. . . . .	LaGrange and Bellevue sts. . . . .	"	"	327
Murdock st. . . . .	Garden and No. Beacon sts. . . . .	Bri.	"	245
	Total 10-inch . . . . .			<u>4,900</u>
Reed st. . . . .	Thorndike and Hunneman sts. . . . .	B.	8-in.	110
Hayward pl. . . . .	Washington st. and Harrison ave. . . . .	"	"	254
Columbus ave. . . . .	Berkeley st. and the railroad bridge . . . . .	"	"	150
Union Park st. . . . .	Albany st. and Harrison ave. . . . .	"	"	915
Court square . . . . .	Court st. and Williams court . . . . .	"	"	279
Newbury st. . . . .	Brookline ave. and Charlesgate West . . . . .	"	"	1,138
	<i>Carried forward</i> . . . . .			<u>2,846</u>



Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward . . . . .</i>			2,846
Marine park . . . . .	Off Q st. . . . .	S. B.	8-in.	17
Wood Island park . . . . .	Off Parkway . . . . .	E. B.	"	802
Farrington st. . . . .	Orient ave. and Tower st. . . . .	"	"	833
Chesterfield st. . . . .	Off Massachusetts ave. . . . .	Rox.	"	24
Homestead st. . . . .	Humboldt and Elm Hill aves. . . . .	"	"	1,147
Leon st. . . . .	Off Ruggles st. . . . .	"	"	17
White st. . . . .	Gleason st. and Glen Road . . . . .	Dor.	"	96
Waldeck st. . . . .	Stratford and Lindsey sts. . . . .	"	"	59
Lindsey st. . . . .	Off Waldeck st. . . . .	"	"	665
Magdala st. . . . .	Codman and Van Winkle sts. . . . .	"	"	399
Oakridge st. . . . .	Morton and Codman sts. . . . .	"	"	506
Waldeck st. . . . .	Melville ave. and Tremlet park . . . . .	"	"	74
Ballou ave. . . . .	Jones ave. and Pratt st. . . . .	"	"	48
Welles ave. . . . .	Ocean and Argyle sts. . . . .	"	"	51
Northern ave. . . . .	Whitfield and Washington sts. . . . .	"	"	257
Templeton st. . . . .	Adams st. and Dorchester ave. . . . .	"	"	1,277
Hutchinson st. . . . .	Codman and Brook sts. . . . .	"	"	212
Holden st. . . . .	Off Boston st. . . . .	"	"	48
Argyle st. . . . .	Ashmont st. and Talbot ave. . . . .	"	"	12
Rosseter st. . . . .	Bullard st. and Bowdoin ave. . . . .	"	"	341
Nightingale st. . . . .	Off Bernard st. . . . .	"	"	36
Duncan st. . . . .	Greenwich and Fenton sts. . . . .	"	"	129
Adams st. . . . .	Ashmont and Beaumont sts. . . . .	"	"	867
Pierce ave. . . . .	Off Adams st. . . . .	"	"	6
Fenton st. . . . .	Fenton place and Clayton st. . . . .	"	"	72
Jamaicaway . . . . .	Pond and Prince sts. . . . .	W. R.	"	1,667
Farquhar st. . . . .	South and Selwyn sts. . . . .	"	"	181
Montview st. . . . .	Park and Mt. Vernon sts. . . . .	"	"	382
Farrington st. . . . .	Kenneth and Anawan aves. . . . .	"	"	147
Landseer st. . . . .	La Grange and Bellevue sts. . . . .	"	"	191
Parental School . . . . .	Off Spring . . . . .	"	"	828
Aldrich st. . . . .	Beech and Cornell sts. . . . .	"	"	354
Mendum st. . . . .	Fairview and Walter sts. . . . .	"	"	192
Ashland st. . . . .	Sherwood st. and Brown ave. . . . .	"	"	365
	<i>Carried forward . . . . .</i>			15,148

Statement of Location, Size, etc. — *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			15,148
Woodlawn st. . . . .	Off Hyde Park ave. . . . .	W. R.	8-in.	1,094
Clifford st. . . . .	Canterbury and Grew sts. . . . .	"	"	1,007
Weld Hill st. . . . .	Off Hyde Park ave. . . . .	"	"	150
Temple st. . . . .	Spring and Hillcrest sts. . . . .	"	"	221
Perkins st. . . . .	Prince st. and Jamaica Way . . . . .	"	"	1,845
Stratford ave. . . . .	Anawan and Clement aves. . . . .	"	"	96
Commonwealth ave. . . . .	Harvard and Allston sts. . . . .	Bri.	"	2,076
Street . . . . .	Off Hobart st. . . . .	"	"	71
Strathmore road . . . . .	Commonwealth and Chestnut Hill aves. . . . .	"	"	487
Commonwealth ave. . . . .	Brighton ave. and Harvard st. . . . .	"	"	10
	Total 8-inch . . . . .			<u>22,205</u>
Haverhill st. . . . .	Causeway st. and the water . . . . .	B.	6-in.	355
Falmouth st. . . . .	St. Paul and Norway sts. . . . .	"	"	145
Chauncy st. . . . .	Bedford st. and Rowe pl. . . . .	"	"	242
Tufts st. . . . .	Kingston and Lincoln sts. . . . .	"	"	183
Fabin st. . . . .	Newland and Ivanhoe sts. . . . .	"	"	410
Hathaway st. . . . .	Congress and Aldine sts. . . . .	"	"	32
Williams court . . . . .	Washington st. and Court sq. . . . .	"	"	10
India sq. . . . .	Atlantic ave. and India st. . . . .	"	"	192
Raleigh st. . . . .	Beacon st. and Bay State Road . . . . .	B.	"	189
Bristol st. . . . .	Albany st. and Harrison ave. . . . .	"	"	80
Dover st. . . . .	" " " " " . . . . .	"	"	205
Chandler st. . . . .	Berkeley and Tremont sts. . . . .	"	"	547
St. Botolph st. . . . .	Albemarle and Cumberland sts. . . . .	"	"	197
Chester place . . . . .	Northampton st. and Shawmut ave. . . . .	"	"	254
West Fourth st. . . . .	Foundry st. and Dorchester ave. . . . .	So. B.	"	408
Story st. . . . .	G and H sts. . . . .	"	"	90
Fifth-st. place . . . . .	Off West Fifth st. . . . .	"	"	211
Falcon st. . . . .	Brooks and Putnam sts. . . . .	E. B.	"	264
Street . . . . .	Off Bayswater st. . . . .	"	"	309
Thurston st. . . . .	A new st. and Butler ave. . . . .	"	"	252
Falcon st. . . . .	Border and Meridian sts. . . . .	"	"	144
Wood Island park . . . . .	Off Parkway . . . . .	"	"	100
W. Eagle st. . . . .	Border and Meridian sts. . . . .	"	"	293
	<i>Carried forward</i> . . . . .			<u>5,112</u>

Statement of Location, Size, etc.— *Continued.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			5,112
Morris st. . . . .	Brooks and Putnam sts. . . . .	E. B.	6-in.	112
Addison st. . . . .	. . . . .	"	"	212
Carey st. . . . .	Riverside and Terry sts. . . . .	Rox.	"	47
Chapel st. . . . .	Weston and Sarsfield sts. . . . .	"	"	33
Amory terrace . . . . .	Amory st. and Amory ave. . . . .	"	"	117
Notre Dame st. . . . .	Dimock and Bragdon sts. . . . .	"	"	264
Rock st. . . . .	Regent and Rockland sts. . . . .	"	"	144
Rockdale st. . . . .	Off Cobden st. . . . .	"	"	206
Rand place . . . . .	Off Rand st. . . . .	"	"	24
Cherokee st. . . . .	Hillside and Pontine sts. . . . .	"	"	145
Arundel st. . . . .	Beacon and Mountfort sts. . . . .	"	"	322
Ivy st. . . . .	St. Mary and Mountfort sts. . . . .	"	"	938
Eldora st. . . . .	Hillside and Sunset sts. . . . .	"	"	36
Landedowne st. . . . .	Massachusetts ave. and Allerton st. . . . .	"	"	277
Moreland st. . . . .	Dennis st. and Blue Hill ave. . . . .	"	"	56
Batavia st. . . . .	Parker and Falmouth sts. . . . .	"	"	8
Whiting st. . . . .	Warren and Moreland sts. . . . .	"	"	159
Forbes st. . . . .	Centre st. and Chestnut ave. . . . .	"	"	303
Roger ave. . . . .	Parker st. and Huntington ave. . . . .	"	"	24
Courtland st. . . . .	" " " " " . . . . .	"	"	23
Cameron st. . . . .	Off Heath st. . . . .	"	"	40
Stanmore place . . . . .	Off Warren st. . . . .	"	"	276
Lambert ave. . . . .	Bartlett and Dudley sts. . . . .	"	"	153
Cathedral st. . . . .	Off Fenwick st. . . . .	"	"	124
Roslin st. . . . .	Harley and Washington sts. . . . .	Dor.	"	266
Roach st. . . . .	Pleasant st. and Dorchester ave. . . . .	"	"	58
Clinton st. . . . .	Off Waterlow st. . . . .	"	"	67
Hartland st. . . . .	Saxton st. and Tuttle ave. . . . .	"	"	48
Miller's lane . . . . .	Washington st. and Baker place . . . . .	"	"	36
Norfolk terrace . . . . .	" Norfolk sts. . . . .	"	"	207
Cook st. . . . .	" Chamberlin sts. . . . .	"	"	120
Ditson st. . . . .	Leroy and Westville sts. . . . .	"	"	120
Humphreys square . . . . .	Dudley and Iona sts. . . . .	"	"	167
Belfort st. . . . .	Saxton st. and Dorchester ave. . . . .	"	"	238
	<i>Carried forward</i> . . . . .			10,482

## Statement of Location, Size, etc.—Continued.

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			10,482
Freeman st. . . . .	Faulkner st. and Charles st. . . . .	Dor.	6-in.	57
Kilton st. . . . .	Wheatland and Talbot aves. . . . .	"	"	60
Bowdoin square . . . .	Westville and Dakota sts. . . . .	"	"	453
Cushing place . . . . .	Off Cushing ave. . . . .	"	"	75
Montague st. . . . .	Ashmont and Roslin sts. . . . .	"	"	253
Tremlet park . . . . .	Waldeck and Hooper sts. . . . .	"	"	9
Leeds st. . . . .	Off Savin Hill ave. . . . .	"	"	102
Oak ave. . . . .	Adams and Plain sts. . . . .	"	"	48
Morrill st. . . . .	Pleasant and Bakerfield sts. . . . .	"	"	401
A st. . . . .	" " " " . . . . .	"	"	400
D st. . . . .	" " " " . . . . .	"	"	404
Willis st. . . . .	" " " " . . . . .	"	"	400
Withington st. . . . .	Euclid and Torrey sts. . . . .	"	"	48
Stratford st. . . . .	Off Waldeck st. . . . .	"	"	101
Remington st. . . . .	Centre st. and Nixon ave. . . . .	"	"	210
Nottingham st. . . . .	Bullard st. and Bowdoin ave. . . . .	"	"	449
Hopstill st. . . . .	Northern and Southern avs. . . . .	"	"	336
Clement st. . . . .	Off Nixon ave. . . . .	"	"	192
Elmont st. . . . .	" Waterlow st. . . . .	"	"	96
Draper court . . . . .	Clarkson and Bowdoin aves. . . . .	"	"	160
Payson ave. . . . .	Hancock and Glendale sts. . . . .	"	"	114
Phillips place . . . . .	Off Dudley st. . . . .	"	"	183
Auckland st. . . . .	Belfort and Alton sts. . . . .	"	"	157
Salcombe st. . . . .	Dudley and Cushing aves. . . . .	"	"	233
Gibson st. . . . .	Adams st. and Dorchester ave. . . . .	"	"	233
White st. . . . .	Gleason st. and Glen road . . . . .	"	"	89
Carlos st. . . . .	Lauriat and Chapman aves. . . . .	"	"	314
Lyndhurst st. . . . .	Washington and Allston sts. . . . .	"	"	180
Don st. . . . .	Lauriat and Chapman aves. . . . .	"	"	325
Paisley park . . . . .	Upland and Bourneside sts. . . . .	"	"	571
Street . . . . .	Off Arcadia st. . . . .	"	"	170
Mora st. . . . .	Washington st. and Milton ave. . . . .	"	"	530
Corwin st. . . . .	Westville and Arcadia sts. . . . .	"	"	96
Holliday st. . . . .	Bowdoin st. and Geneva ave. . . . .	"	"	253
	<i>Carried forward</i> . . . . .			18,184

Statement of Location, Size, etc. — *Concluded.*

In what Street.	Between what Streets.	District.	Size.	Length.
	<i>Brought forward</i> . . . . .			18,184
Saxton st. . . . .	Hartland and Belfort sts. . . . .	Dor.	6-in.	76
Hecla st. . . . .	Adams st. and Dorchester ave. . . . .	"	"	571
Walton st. . . . .	Harley and Washington sts. . . . .	"	"	48
Neponset court. . . . .	Off Neponset ave. . . . .	W. R.	"	256
Congreve st. . . . .	Off South st. . . . .	"	"	378
Sharon st. . . . .	Canterbury and Rowe sts. . . . .	"	"	24
Wren st. . . . .	Rutledge and Robin sts. . . . .	"	"	462
Montview st. . . . .	Henshaw and Park sts. . . . .	"	"	11
Fletcher st. . . . .	Off South st. . . . .	"	"	377
Clive st. . . . .	Boylston st. and Spring Park ave. . . . .	"	"	140
Sycamore st. . . . .	Rindge and Florence sts. . . . .	"	"	107
Johnson st. . . . .	Baker and Johnson sts. . . . .	"	"	204
Argyle st. . . . .	From Cornwall st. . . . .	"	"	22
Gilman st. . . . .	Canterbury and Sutton sts. . . . .	"	"	165
Jones st. . . . .	Fairview and Walter sts. . . . .	"	"	255
Plainfield st. . . . .	Off Keyes st. . . . .	"	"	265
Anson st. . . . .	South st. and N. Y., N. H., & H. R.R. . . . .	"	"	36
Allen st. . . . .	Off Anawan ave. . . . .	"	"	62
Hadwin Way . . . . .	Hammet st. and Hyde Park ave. . . . .	"	"	65
Street . . . . .	Off Canterbury st. . . . .	"	"	223
Henthcote st. . . . .	Off Poplar st. . . . .	"	"	256
Mozart st. . . . .	Walter and Selwyn sts. . . . .	"	"	117
Perham st. . . . .	Ivory and Mt. Vernon sts. . . . .	"	"	349
Garfield st. . . . .	Off Washington st. . . . .	"	"	209
Hobart st. . . . .	Faneuil and Brook sts. . . . .	Bri.	"	842
Bentley st. . . . .	Henshaw and Sparhawk sts. . . . .	"	"	19
Berwick Road . . . . .	Commonwealth ave. and Chiswick Road, . . . . .	"	"	73
Eulita Terrace . . . . .	Winship st. and Chestnut Hill ave. . . . .	"	"	354
Windsor Road . . . . .	Off Lanark Road . . . . .	"	"	77
Cypress st. . . . .	Murdock and Lucas st. . . . .	"	"	200
Deer Island . . . . .		"	"	1,176
	Total 6-inch . . . . .			25,603
Wood-Island park . . . . .	Off Parkway . . . . .	E. B.	4 in.	373
Spring Terrace . . . . .	Off Bowers st. . . . .	Rox.	"	142
	Total 4-in. . . . .			515

## Statement of Pipes Abandoned.

In what Street.	Between what Streets.	District.	Size.	Length.
Albany st. . . . .	Bristol and Troy sts. . . . .	B.	12 in.	636
Union park . . . . .	Albany st. and Harrison ave. . . . .	"	6 in.	915
Dartmouth st. . . . .	Newbury and Marlboro' sts. . . . .	"	"	200
Fairfield st. . . . .	" " " " . . . . .	"	"	203
Hereford st. . . . .	" " " " . . . . .	"	"	199
Haverhill st. . . . .	Causeway st. and the water . . . . .	"	"	57
Bristol st. . . . .	Albany st. and Harrison ave. . . . .	"	"	80
Dover st. . . . .	" " " " " " . . . . .	"	"	205
Tremont st. . . . .	Hollis and Warrenton sts. . . . .	"	"	300
Dover st. . . . .	Harrison ave. and the water . . . . .	"	20 in.	646
" " . . . . .	" " " " " " . . . . .	"	12 in.	648
East Sixth st. . . . .	At Q st . . . . .	So. B.	"	35
Payson ave. . . . .	Hancock and Glendale sts. . . . .	Dor.	"	28
Perkins st. . . . .	Prince st. and Jamaica Way . . . . .	W. R.	24 in.	825
" " . . . . .	" " " " " " . . . . .	"	20 in.	300
" " . . . . .	" " " " " " . . . . .	"	8 in.	825
Hayward place . . . . .	Washington st. and Harrison ave. . . . .	B.	4 in.	254
Fabin . . . . .	Newland and Ivanhoe sts. . . . .	"	"	410
Court square . . . . .	Court st. and Williams court . . . . .	"	"	279
Haverhill st. . . . .	Causeway st. and the water . . . . .	"	"	327
Williams court . . . . .	Washington st. and Court square . . . . .	"	"	10
Chelsea st. . . . .	On Chelsea bridge . . . . .	Chn.	20 in.	1,375
" " . . . . .	" " " " . . . . .	"	24 in.	1,280
" " . . . . .	Scotts court and Chelsea bridge . . . . .	"	20 in.	384
" " . . . . .	" " " " . . . . .	"	24 in.	384

Statement of Pipes Abandoned on the J. P. A. System.

In what Street.	Between what Streets.	District.	Size.	Length.
Tremont st. . . . .	Vernon and Pyncheon sts. . . . .	Rox.	12 in.	1,200
" " . . . . .	" " " " . . . . .	"	10 in.	600
Parker st. . . . .	Huntington and Rogers aves. . . . .	"	6 in.	291
Tremont st. . . . .	Vernon and Pyncheon sts. . . . .	"	"	325
Sarsfield st. . . . .	Tremont and Chapel sts. . . . .	"	"	300
Leon st. . . . .	Off Ruggles st. . . . .	"	"	.17
Hampden st. . . . .	Kemble and Albany sts. . . . .	"	"	1,000
Kemble st. . . . .	Hampden and Gerard sts. . . . .	"	{ 6 in., 4 in. and 3 in.	750
Albany st. . . . .	Hampden st. and Hartopp place . . .	"	6 in.	1,600
Washington st. . . . .	Eustis and Zeigler sts. . . . .	"	{ 6 in. and 4 in.	1,150
Eustis st. . . . .	Washington and Dearborn sts. . . . .	"	6 in.	350
Vernon st. . . . .	Washington and Cabot sts. . . . .	"	8 in.	1,200
Palmer st. . . . .	Washington and Eustis sts. . . . .	"	"	1,100
Cottage st. . . . .	Tremont st. and N. Y., N. H. & H. R. R.,	"	10 in.	300
Weston st. . . . .	Tremont and Chapel sts. . . . .	"	4 in.	250
Chapel place . . . . .	Weston and Sarsfield sts. . . . .	"	"	23
Kent st. . . . .	Washington and Vernon sts. . . . .	"	"	25
Maiden lane . . . . .	Hampden and Reading sts. . . . .	"	"	250
Reading st. . . . .	Kemble and Swett sts. . . . .	"	{ 4 in. and 3 in.	1,100
Island st. . . . .	Kemble and Gerard sts. . . . .	"	4 in.	750
Dearborn st. . . . .	Eustis st. and Hartopp place . . . . .	"	"	250
Eustis st. . . . .	Dearborn and Adams sts. . . . .	"	"	650
Gerard st. . . . .	Kemble and Farnham sts. . . . .	"	"	300
Hampden st. . . . .	Kemble and Prescott sts. . . . .	"	3 in.	650
Prentiss st. . . . .	Tremont st. and N. Y., N. H., & H. R. R.,	"	"	250
Chadwick st. . . . .	Hampden and Yeoman sts. . . . .	"	"	600
Mall st. . . . .	Dearborn st. and Harrison ave. . . . .	"	"	800

## Statement of Pipes Lowered.

In what Street.	Between what Streets.	District.	Size.	Length.
Byron st. . . . .	Saratoga and Pope sts. . . . .	E. B.	10-in.	345
Seaver st. . . . .	Harold st. and Humboldt ave. . . . .	Rox.	16-in.	195
Codmanst. . . . .	Magdala and Carruth sts. . . . .	Dor.	12-in.	495
La Grange st. . . . .	Shaw and Martin sts. . . . .	W. R.	"	30
Argyle st. . . . .	Dorchester and Talbot aves. . . . .	Dor.	8-in.	310
Salcombe st. . . . .	Stoughton st. and Cushing ave. . . . .	"	6-in.	100
Park lane . . . . .	Off Walnut ave. . . . .	W. R.	"	200

## Cochituate Meters Applied.

	DIAMETER IN INCHES.							Totals.
	4	3	2	1½	1	¾	⅝	
B. W. W. . . . .						2		2
Champion . . . . .						1		1
Crown . . . . .	4	5	6	10	11	15	44	95
Gem . . . . .	1							1
Hersey . . . . .	1			4	1	32	1	39
Metropolitan . . . . .					15	234	1	250
Worthington . . . . .	2	4	5	3	10	10	2	36
Totals . . . . .	8	9	11	17	37	294	48	424

## Cochituate Meters Abandoned.

	DIAMETER IN INCHES.							Totals.
	4	3	2	1½	1	¾	⅝	
B. W. W. . . . .						3		3
Crown . . . . .	1	4		5	7	9	32	58
Hersey . . . . .				2		3	1	6
Metropolitan . . . . .					2	23		25
Worthington . . . . .		4	4	6	17	6	2	39
Totals . . . . .	1	8	4	13	26	44	35	131



**Cochituate Meters Sent to Factory for Repairs.**

	DIAMETER IN INCHES.						Totals.
	4	3	1½	1	¾	⅝	
Crown . . . . .			1	3	8	53	65
Hersey . . . . .		1	1		5		7
Metropolitan . . . . .					3		3
Worthington . . . . .	1			12			13
Totals . . . . .	1	1	2	15	16	53	86

**Meters Purchased.**

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Crown . . . . .	1	5	4	11	7	16	72		116
Gem . . . . .	1								1
Hersey . . . . .		1	3				38		42
Metropolitan . . . . .				1	1	51	300		353
Worthington . . . . .		1		2					3
Totals . . . . .	2	7	7	14	8	67	410		515

**Mystic Meters Applied.**

	DIAMETER IN INCHES.							Totals.
	4	3	2	1½	1	¾	⅝	
Ball and Fitte . . . . .			1					1
Crown . . . . .	1	1	2		2	4	3	13
Hersey . . . . .		1	1		1			3
Metropolitan . . . . .					9	25		34
Worthington . . . . .			1	1		2		4
Totals . . . . .	1	2	5	1	12	31	3	55

**Mystic Meters Discontinued.**

	DIAMETER IN INCHES.					Totals.
	2	1½	1	¾	⅝	
Crown . . . . .	1	...	2	2	6	11
Hersey . . . . .	1	...	4	...	...	5
Metropolitan . . . . .	...	...	1	2	...	3
Worthington . . . . .	2	...	...	1	...	3
Totals . . . . .	4	...	7	5	6	22

**Mystic Meters in Service January 31, 1895.**

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
Ball and Fitts . . . . .	...	...	1	1	...	...	...	...	2
Crown . . . . .	3	8	8	16	2	31	43	98	209
Hersey . . . . .	...	1	2	3	2	6	...	...	14
Metropolitan . . . . .	...	...	...	...	...	22	55	...	77
Worthington . . . . .	...	11	6	39	8	69	53	6	192
Totals . . . . .	3	20	17	59	12	128	151	104	494

**Mystic Meters sent to Factory for Repairs.**

	DIAMETER IN INCHES.								Totals.
							¾	⅝	
Crown . . . . .	...	...	...	...	...	...	4	9	13
Worthington . . . . .	...	...	...	...	...	...	1	...	1
Totals . . . . .	...	...	...	...	...	...	5	9	14

Cochituate Meters in Service January 31, 1895.

	DIAMETER IN INCHES.								Totals.
	6	4	3	2	1½	1	¾	⅝	
B. W. W. . . . .							56		56
Ball and Fitts . . . . .							1	1	2
Champion . . . . .							1		1
Crown . . . . .	2	23	34	49	112	246	377	1,178	2,021
Desperance . . . . .							1		1
Gem . . . . .	1	1							2
Hersey . . . . .		2	6	12	22	40	132	18	232
Metropolitan . . . . .					1	102	662	4	769
Nash . . . . .								1	1
Thompson . . . . .				1				5	6
Worthington . . . . .	2	11	23	116	102	530	401	57	1,242
Totals . . . . .	5	37	63	178	237	918	1,631	1,264	4,333

Meters Changed.

CAUSE.	COCHITUATE.	MYSTIC.
Not registering . . . . .	293	56
For test . . . . .	217	41
Unsatisfactory . . . . .	94	10
Stoppage . . . . .	33	6
Leak at body . . . . .	24	6
Leak at coupling . . . . .	3	1
Leak at spindle . . . . .	34	1
Clock broken . . . . .	35	
Clock defaced . . . . .	16	4
Enlargement of service-pipe . . . . .	31	3
No force . . . . .	104	3
Frozen . . . . .	6	
Meters burst . . . . .	1	
Spindle stuck . . . . .	1	
Hands caught . . . . .	1	
Hands loose . . . . .	1	
To relocate . . . . .	1	
Totals . . . . .	900	131

**Meters Repaired in Service.**

CAUSE.	COCHITUATE.	MYSTIC.
Leak at coupling . . . . .	29	13
Leak at spindle . . . . .	97	9
Leak at stop-cock . . . . .	3	1
Not registering . . . . .	39	12
Clock broken . . . . .	79	11
Clock defaced . . . . .	48	12
Clock unsatisfactory . . . . .	370	2
Ratchet broken . . . . .		3
Gear broken . . . . .	3	
Spindle stuck . . . . .	4	
Cap broken . . . . .	2	
Check valve broken . . . . .	1	
Intermediate worn . . . . .	1	
Piston-rod bent . . . . .	1	
Disc broken . . . . .	1	
Driving-pawl stuck . . . . .	1	
Glass broken . . . . .	1	
<b>Totals . . . . .</b>	<b>680</b>	<b>63</b>

**General Statement of Meters for Year ending January 31, 1895.**

	COCHITUATE.		MYSTIC.	
	Meters.	Boxes.	Meters.	Boxes.
In service January 31, 1895 . . . . .	4,337		494	
New set . . . . .	424	104	55	10
Discontinued . . . . .	131		22	
Lost in service . . . . .	6			
Changed . . . . .	900		131	
Changed location . . . . .	22		6	
Tested at shop . . . . .	2,131		221	
Repaired at shop . . . . .	498		63	
Repaired at factory . . . . .	88		14	
Repaired in service . . . . .	680	58	63	43
Purchased . . . . .	515			

Hydrants Established and Abandoned during the Year.

	ESTABLISHED.					ABANDONED.					Increase.
	Lowry.	Post.	B. Lowry.	Boston.	Totals.	Lowry.	Post.	B. Lowry.	Boston.	Totals.	
Boston . . . . .	15	29	. . .	1	45	7	. .	6	21	34	11
South Boston . . . . .	. .	4	1	. .	5	. . . . .	. . . . .	. . . . .	1	1	4
East Boston . . . . .	1	19	. . . . .	. .	20	. . . . .	. . . . .	1	2	3	17
Roxbury . . . . .	2	35	5	1	43	2	. .	2	8	12	31
Dorchester . . . . .	3	49	17	1	70	1	1	5	6	13	57
West Roxbury . . . . .	3	43	9	. .	55	. .	3	4	2	9	46
Brighton . . . . .	. .	8	. . . . .	. .	8	. . . . .	. . . . .	. . . . .	2	2	6
Long Island . . . . .	. .	2	. . . . .	. .	2	. . . . .	. . . . .	. . . . .	. .	. .	2
Deer Island . . . . .	. .	1	. . . . .	. .	1	. . . . .	. . . . .	. . . . .	. .	. .	1
	24	190	32	3	249	10	4	18	42	74	175

Total Number of Hydrants in Use January 31, 1895.

	Lowry.	Post.	B. Lowry.	Boston Y.	Boston.	Total.
Boston . . . . .	699	275	60	. . . . .	490	1,524
South Boston . . . . .	214	97	22	1	258	592
East Boston . . . . .	139	103	23	. . . . .	136	401
Roxbury . . . . .	663	230	66	. . . . .	88	1,047
Dorchester . . . . .	577	471	196	. . . . .	62	1,306
West Roxbury . . . . .	125	508	171	. . . . .	46	850
Brighton . . . . .	79	277	59	. . . . .	34	449
Deer Island . . . . .	. . . . .	17	. . . . .	. . . . .	. . . . .	17
Brookline . . . . .	5	. . . . .	. . . . .	. . . . .	3	8
Chelsea . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	7	7
Quincy . . . . .	. . . . .	7	. . . . .	. . . . .	. . . . .	7
Long Island . . . . .	. . . . .	6	. . . . .	. . . . .	. . . . .	6
Thompson's Island . . . . .	. . . . .	2	. . . . .	. . . . .	. . . . .	2
Rainsford Island . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	1	1
	2,501	1,993	597	1	1,125	6,217

## Water-Posts.

DISTRICT.	Number in use Jan. 31, 1894.	Established during the year.	Abandoned during the year.	Number in use Jan. 31, 1895.
Boston . . . . .	45	3		48
South Boston . . . . .	28		1	27
East Boston . . . . .	27	4		31
Roxbury . . . . .	64	4	2	66
Dorchester . . . . .	75	6	1	80
West Roxbury . . . . .	61	6		67
Brighton . . . . .	41	6		47
	341	29	4	366

Hydrant barrels changed for repairs . . . . .	355
Hydrant boxes renewed . . . . .	117
Stop-cock boxes renewed . . . . .	164
Dead ends blown off . . . . .	150
S. W. cocks repaired . . . . .	145
Main cocks repaired . . . . .	45
New S. W. cocks put on . . . . .	71
Boxes over bridges repaired . . . . .	4
Fire reservoirs repaired . . . . .	10
Hydrant boxes repaired in service . . . . .	269
Stop-cock boxes repaired in service . . . . .	268

Repairs of Pipes during the Year ending Jan. 31, 1895.

	DIAMETER OF PIPES IN INCHES.																Totals.			
	48	36	30	28	24	20	16	12	8	6	4	3	2	1½	1¼	1		¾	½	
Boston . . . . .		1	2			23	12	40	9	68	34	5	9	3	4	17	14	478	3	722
South Boston . . . . .							6	1		8			3		1	2		135	15	171
East Boston . . . . .						6	1	3		9	1		4		2			117	5	148
Roxbury . . . . .	1	2		5		1	15	2		26	3	1	1	2		5	4	257	18	343
Dorchester . . . . .					1		9	4		13			6		1			123	4	161
West Roxbury . . . . .							2	9	2	10			4					85	2	114
Brighton . . . . .							3	1		2								22		28
Deer Island . . . . .																				1
Long Island . . . . .										4	1							1		6
Rainsford Island . . . . .											4									4
Galloupe's Island . . . . .											3	1								4
Moon Island . . . . .										1										1
	1	3	2	5	1	29	16	85	20	141	46	7	27	5	4	26	20	1,218	47	1,703

Causes of repairs that have been made on pipes of 4-inch diameter and upwards :

Blasting . . . . .	8
Settling of earth . . . . .	15
"    in sewer . . . . .	5
"    in tunnel . . . . .	1
"    over foundation-wall . . . . .	1
"    in channel . . . . .	2
Struck by pick . . . . .	2
Defective joints . . . . .	126
"    stop-cocks . . . . .	25
"    pipe . . . . .	15
"    packing . . . . .	101
"    check-valve . . . . .	1
"    stuffing-box . . . . .	13
"    gland . . . . .	1
Changed grade . . . . .	1
In way of W. E. St. Ry. . . . .	2
"    Park Dept. . . . .	1
"    sewer . . . . .	8
"    tunnel . . . . .	1

Carried forward,

329

<i>Brought forward,</i>	329	
Took out meter and connected with pipe . . . . .	2	
Drilled . . . . .	3	
Frozen . . . . .	5	
Cap blown off . . . . .	2	
Clamp loose . . . . .	1	
Put in air chamber . . . . .	1	
Capped on each side of bridge . . . . .	1	
Changed connection . . . . .	1	
From low to high service . . . . .	1	
Eaten by soil . . . . .	1	
Carried over tunnel . . . . .	2	
		349
<hr/>		
On 3-inch and on service-pipes :		
Stopped by rust . . . . .	501	
" dirt . . . . .	29	
" fish . . . . .	50	
" gasket . . . . .	3	
Eaten by soil . . . . .	5	
" electricity . . . . .	3	
Broken by pick . . . . .	153	
" settling of earth . . . . .	222	
" pounding from Pumping-station, . . . . .	3	
" settling in service-pipe box . . . . .	5	
" settling in sewer trench . . . . .	33	
" frost . . . . .	7	
" blasting . . . . .	3	
" steam-roller . . . . .	2	
" plough . . . . .	1	
Gnawed by rats . . . . .	11	
Defective pipe . . . . .	57	
" coupling . . . . .	29	
" joints . . . . .	33	
" stop-cocks . . . . .	26	
" valve . . . . .	14	
" packing . . . . .	14	
In way of sewer . . . . .	13	
" B. E. Lt. Company . . . . .	2	
" Park Dept. . . . .	1	
" W. E. St. Ry. . . . .	2	
" N. E. Tel. Co. . . . .	5	
" edgestone . . . . .	9	
Changed grade . . . . .	68	
" direction inside line . . . . .	1	
Clamp loose . . . . .	1	
		349
<i>Carried forward,</i>	1,306	



Extended across new line . . . . .	3	
Frozen . . . . .	30	
Cock blown out . . . . .	3	
Took out S. W. cock and connected with pipe . . . . .	5	
Connected to new main . . . . .	5	
Put cock in cap for blow-off . . . . .	2	
		1,354
		1,703

In addition to the above, 381 service-pipes were shut off for repairs inside street line, and notice of the same sent to the On and Off Division of the Income Department.

**Statement of Leaks and Stoppages from 1850 to 1894.**

YEAR.	DIAMETER IN INCHES.		TOTAL.
	Four inches and upwards.	Less than four inches.	
1850 . . . . .	82	72	104
1851 . . . . .	64	173	237
1852 . . . . .	82	241	323
1853 . . . . .	85	260	345
1854 . . . . .	74	280	354
1855 . . . . .	75	219	294
1856 . . . . .	75	232	307
1857 . . . . .	85	278	363
1858 . . . . .	77	234	311
1859 . . . . .	82	449	531
1860 . . . . .	134	458	592
1861 . . . . .	109	399	508
1862 . . . . .	117	373	490
1863 . . . . .	97	397	494
1864 . . . . .	95	394	489
1865 . . . . .	111	496	607
1866 . . . . .	139	536	675
1867 . . . . .	122	487	609
1868 . . . . .	82	449	531
1869 . . . . .	82	407	489
1870 . . . . .	157	707	864
1871 . . . . .	185	1,380	1,565
1872 . . . . .	188	1,459	1,647

Statement of Leaks and Stoppages from 1850 to 1894.—  
*Concluded.*

YEAR.	DIAMETER IN INCHES.		TOTAL.
	Four inches and upwards.	Less than four inches.	
1873 . . . . .	153	1,076	1,229
1874 . . . . .	434	2,160	2,594
1875 . . . . .	203	725	928
1876 . . . . .	214	734	948
1877 . . . . .	109	801	910
1878 . . . . .	213	1,024	1,237
1879 . . . . .	211	995	1,206
1880 . . . . .	135	929	1,064
1881 . . . . .	145	883	1,028
1882 . . . . .	170	1,248	1,418
1883 . . . . .	171	782	953
1884 . . . . .	253	1,127	1,380
1885 . . . . .	111	638	749
1886 . . . . .	150	725	875
1887 . . . . .	172	869	1,041
1888 . . . . .	216	1,140	1,356
1889 . . . . .	153	849	1,032
1890 . . . . .	180	718	898
1891 . . . . .	194	758	952
1892 . . . . .	212	1,232	1,444
1893 . . . . .	327	1,555	1,882
1894 . . . . .	349	1,354	1,703

Respectfully submitted,

WILLIAM J. WELCH,  
*Superintendent.*

REPORT OF THE SUPERINTENDENT OF THE  
MYSTIC DIVISION.

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OFFICE OF SUPERINTENDENT,  
CORNER MEDFORD AND TUFTS STREETS,  
BOSTON, February 1, 1895.

COL. THOMAS F. DOHERTY,  
*Chairman, Boston Water Board:*

SIR: The report of the Mystic Division of the Boston Water-Works from January 31, 1894, to February 1, 1895, is herewith submitted.

## MYSTIC LAKE.

Water was wasted over the dam until June 8, when the highest point was recorded, 6.89 above tide-marsh level. After this date the surface gradually lowered, and in August preparations were made for pumping into the conduit. The pumping machinery, consisting of two Hoadley engines and boilers and two centrifugal pumps, was repaired and placed in position. The cast-iron gratings at the inlets of the gate-chamber were replaced with new ones, and the gates repaired and refitted with new stems.

On August 31, with the surface of the lake at 8.42 below high water and only 2.75 above the conduit invert, the pumping into the conduit began. The surface of the lake continued to fall, and reached a lower point than ever before making it necessary to lengthen the suction-pipes. As the pumping machinery which had been in use for years was of insufficient capacity two new 60-horse power engines and boilers and one new pump, having a capacity of 18,000,000 gallons per day, were purchased. As the service of either pump could not be dispensed with, and as the engine-room was already inadequate, a new engine-house was constructed. The engine-house is a wooden frame building, 65 ft.  $\times$  19½ ft., supported by a pile foundation. To make an approach to the new building some filling was required, so the riprap was removed and utilized again on the extended water front.

On October 10 the surface of the water reached its lowest point, 0.91 below the conduit invert, but after this date it

began to rise. The old engine in Engine-house No. 2 was disconnected and removed, but further work of setting up the second new engine and boiler was suspended. On November 15 the lake had risen to 2.72 above the conduit invert. Pumping was stopped, and the water again flowed by gravity to the Pumping-station.

The sources of supply have been carefully looked after throughout the year. The Metropolitan Sewerage Commission built a siphon under the Abajona river, near the railroad, and have riprapped the banks adjoining the abutments, making an improvement at that point. Bacon's bridge has been rebuilt with a much stronger structure than the former one. A new fence was built on the west side of Mystic street opposite the ledge, also one near the dam, on the division line of the Brooks' property. The gate-tender's house has also been repaired. A force of men were engaged throughout the summer months in removing the vegetable growth from the shallow portions of the river and ponds. There was a large decrease in this growth during the past year. The filtration experiments, which have been carried on for upwards of two years, have been discontinued, it having been demonstrated that the entire Mystic supply could be filtered so as to furnish water of a satisfactory quality.

The rainfall on the Mystic water-shed for the past twelve months was as follows :

February . . .	3.31	August . . .	2.52
March . . .	1.09	September . . .	2.52
April . . .	3.48	October . . .	5.58
May . . .	5.18	November . . .	3.49
June . . .	0.72	December . . .	3.97
July . . .	3.45	January . . .	3.54
Total . . .			38.85

#### RESERVOIR.

Two 30-inch stop-gates in the gate-chamber were repaired, new valve-rods were substituted, and the gearing was rearranged, the old 10 to 1 gears were replaced with gears 4 to 1, thus greatly facilitating the operation of the gates. The walks and grounds about the reservoir received the usual attention. About seventy-five loads of stone were carted from the ledge, and will be properly distributed at a favorable opportunity.

The city of Medford was supplied with Mystic water one day in July and one day in January. On September 12 the Cochituate water was turned on to the Charlestown District.

## CONDUIT.

The conduit was cleaned and inspected twice during the year, and, at the last inspection, a large crack was discovered about eight feet from the gate-chamber. It extended around the conduit, leaving intact only about three feet at the bottom, and was immediately repaired by being grouted. The force-mains are in good condition. The necessary changes and repairs at the pipe-chamber which have been recommended in previous reports will be made in the spring.

## PUMPING-STATION.

The work on the extension of the engine-house was begun November 1. The pump-well and the foundations will be completed in about three weeks and the walls and roof about April 1.

The extension of the building necessitated a rearrangement of the drains, and a 12-inch cast-iron pipe was substituted for the tile drain that took the discharge from Engine No. 3. Outside of the building wall this was enlarged to a 16-inch iron pipe, which was run to the manhole of the main drain on the south-west side of the engine-house. A 6-inch iron pipe was run from the well-pump to the manhole on the west side, and connection was made with the conductors of the building.

The engines and boilers received some slight repairs during the year, and the independent air-pump was overhauled; two new composition plungers, two new bronze metal piston-rods, and a new set of valves and covers were substituted for the old ones.

The old well-pump of 1,000,000 gallons' capacity, which has been in use for over twenty years, is now undergoing repairs. In the pump-well of Engine No. 3, the south-west wall was strengthened by the addition of sixteen inches of brickwork. A course of brick was laid in the bottom, and the entire surface of the well was plastered with Portland cement.

The bridge opposite the engine-house was strengthened and repaired; the engineers' residences were repaired and supplied with steam-pipes and radiators connected with the boilers of the engine-house.

The stable and the wagon-house were also repaired, and about two acres of the adjacent grounds were ploughed and manured.

## MYSTIC-VALLEY SEWER.

The quantity of sewage pumped from January 31, 1894, to February 1, 1895, was 120,188,032 gallons to which was applied as a precipitant 281,535 lbs. of crude sulphate of alumina.

The quantity of sludge thrown down by the alumina sulphate was 3,302,678 gallons, which was pumped into the settling-basins for subsequent removal. The amount of coal used was 393,472 lbs. The average quantity of sewage pumped per day was 337,606 gallons, and the average quantity of sludge pumped per day was 9,277 gallons, which is  $2\frac{3}{4}$  per cent. of the sewage.

The alumina sulphate was applied at the rate of 2,342 lbs. per million gallons of sewage, or one part of alumina sulphate to 3,557 parts of sewage. The removal of sludge from the settling-basins during the past year was done largely by a neighboring farmer who values it highly for grass land.

In May the engine was dismantled four days for repairs, consisting of realignment, resetting of valves, and rebabbiting of boxes on main shaft.

It is expected that the sewage now treated at this station will be discharged into the Metropolitan sewerage system on and after July 1, 1895, and this plant will then be discontinued.

Chemical precipitation of the sewage from Tidd's tannery, in Stoneham, was continued the past year. The total quantity of sewage pumped by the proprietors was 5,244,545 gallons, and the total quantity of sludge pumped was 680,000 gallons.

The amount of alumina sulphate used was 51,571 pounds, making the rate of application of the precipitant 1 to 847. The percentage of sludge pumped to sewage pumped was 13.

During the time that experiments in chemical tanning were being made at this tannery the sewage was so offensive that some treatment became necessary.

At Fitzgerald's tannery, in Stoneham, a series of tanks were built at the owner's expense. They were arranged in such a manner that the heavy particles of sewage would settle in flowing from one tank to another over separating partitions. No chemicals were used, but the sewage from the beam-house contained more or less lime which acted as a precipitant. This method was continued for four or five months until the experiments were finished.

The effluent discharged from the precipitation tanks at the Mystic station has always been somewhat colored, but as the addition of a sufficient quantity of lime or alumina to

render the effluent colorless would greatly increase the cost, it has been thought to be better economy to use a sufficient quantity of precipitant to remove the solid matter, and a fair percentage of the matter in solution, and obtain a reasonably clear effluent.

At Tidd's tannery the sewage was different in character than at Mystic station and less colored, yet it required more precipitant pro rata to throw down the solid matter. The effluent, however, was always clear and colorless, or nearly so.

#### SOURCES OF SUPPLY.

The Metropolitan sewer is expected to be in operation in six or eight months, and the city of Woburn and the towns of Winchester and Stoneham are constructing or arranging to construct, their respective sewerage systems, so that in a short time the Mystic water will be greatly benefited.

A summary of the inspection work for the past year, as reported by Mr. John S. Concannon, Chief Inspector, is as follows: Total number of cases inspected, 694. Of these are, "old cases," 682; "new cases," 12. The present condition of all inspected cases is, at "present safe," 463; "apparently safe," 68; "suspected," 44; "unsatisfactory," 46; "remedied," 73; legal notices served, 43.

In all cases where legal notices were served the cases were attended to and the pollution prevented.

#### DISTRIBUTION-PIPES.

The distribution-pipes in Charlestown were extended by the addition of 2,612 feet of four-inch pipe, 24,941 feet of six-inch pipe, 5,519 feet of eight-inch pipe, 2,446 feet of ten-inch pipe, and 878 feet of twelve-inch pipe. 54,543 feet of pipe were relaid.

There now remains in Charlestown 6,139 feet of cement-lined pipe, varying in size from 2 to 20 inches.

The abolishment of all grade crossings on Chelsea bridge, which was authorized by the Legislature, and is now being done by the Boston & Maine R.R. Co., necessitated an entire change in the arrangement of the main pipes supplying Chelsea and East Boston. In place of the old 16, 20, and 24 inch pipes there were laid a 24-inch and a 30-inch pipe, the smaller pipe being for the supply of Chelsea and the larger for East Boston. Permission was obtained of the railroad corporation to lay these pipes on their property, and 1,128 feet of each size were permanently laid. In addition, 384 feet each of 16-inch and 30-inch pipe were laid

along the side of the temporary street adjoining an unfinished portion of the main thoroughfare, and in the coming summer, when this portion of the road is ready, the 24-inch and the 30-inch pipes will be continued and the temporary pipes removed.

#### HYDRANTS AND GATES.

One hundred and forty-eight new hydrants, 5 street Lowry hydrants, and 143 Post hydrants, were established in addition to 5 Lowry and 23 Post hydrants set in place of 28 Post hydrants abandoned. Two hundred and thirty-eight gates were established — one 24-inch, three 16-inch, thirteen 12-inch, twenty-two 10-inch, thirty-eight 8-inch, one hundred and thirty 6-inch, and twenty-seven 4-inch. There were forty-four 4-inch, thirty-one 6-inch, six 8-inch and one 12-inch abandoned. Thirteen gate boxes and eleven hydrant boxes were replaced by new ones.

#### FOUNTAINS AND STAND-PIPES.

Four new drinking-fountains were established, and twelve new stand-pipes were erected for street-watering purposes.

#### SERVICE-PIPES.

Eight hundred and fifty-nine new services were laid, distributed as follows: Charlestown, 61; Chelsea, 122; Everett, 315; Somerville, 361; for which 18,436 feet of pipe were required. Three hundred and ninety-nine services were repaired. Twelve services were removed and larger ones substituted. Six service boxes were renewed.

Thirty-one stoppages by eels and thirteen by rust were forced out. Twenty-seven leaking services were repaired.

#### New Services.

Size .....	$\frac{1}{2}$ -in.	$\frac{3}{4}$ -in.	$\frac{1}{2}$ -in.	1-in.	1 $\frac{1}{2}$ -in.	2-in.	3-in.	4-in.	6-in.	Total.	Total ft.
Charlestown ..		41	15	3		1	1			61	1,232
Chelsea .....	27	86	3	3				3		122	3,740
Everett .....		307		5	1	1			1	315	5,736
Somerville ....			355	3		2	1			361	7,728
Totals .....	27	434	373	14	1	4	2	3	1	859	18,436



**Summary of Services, February 1, 1895.**

	Charlestown.	Chelsea.	Everett.	Somerville.	Totals.
Number of services .....	6,144	5,609	3,289	8,215	23,257
Number of feet .....	164,028	150,957	65,443	274,067	654,495

**Breaks and Leaks on Distribution-Pipes.**

Size .....	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	30-in.	Totals.
Charlestown.....		2	1				1	4
Chelsea.....	10	8	3	7				28
Everett .....	3	11	3	2				19
Somerville.....	15	18	6	1	1	1		42
Totals.....	28	39	13	10	1	1	1	93

## Distribution-Pipes Relaid.

LOCATION.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	24-in.	Totals.
Charlestown :									
Chelsea Bridge.....	16-in.						384	1,512	1,896
Chelsea :									
Fifth st.....	8-in.			975					975
“ “ .....	4-in.			272					272
Fremont ave.....	4-in.		380						380
Cottage st.....	4-in.		1,082						1,082
Watts st.....	4-in.		173						173
Division st.....	4-in.		257						257
Wharf st.....	4-in.		173						173
Tudor st.....	3-in.		1,347						1,347
Clark ave.....	4-in.		1,423						1,423
Lawrence st.....	3-in.		390						390
Crescent ave.....	4-in.		860						860
George st.....	3-in.		490						490
Chestnut st.....	3-in.			800					800
“ “ .....	4-in.			2,100					2,100
Beacon st.....	4-in.			550					550
Chestnut st.....	3-in.		780						780
Carey ave.....	4-in.		97						97
“ “ .....	10-in.				75				75
Everett ave.....	6-in.		206						206
“ “ .....	4-in.		615						615
Auburn st.....	4-in.		625						625
Williams st.....	4-in.		275						275
Everett :									
Union ave.....	3-in.	126							126
Mystic st.....	4-in.		672						672
Robbins st.....	4-in.		832						832
Kippy st.....	4-in.		456						456
Harvard st.....	4-in.		1,113						1,113
Shute st.....	4-in.			295					295
Chelsea.....	4-in.				365		2,183		2,548
Ferry Spring.....	6-in.					780			780
Union st.....	6-in.				593				593
Ferry st.....	6-in.				4,266				4,266
<i>Carried forward.....</i>		126	12,246	4,992	5,299	780	2,567	1,512	27,522

Distribution-Pipes Relaid — *Continued.*

LOCATION.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	24-in.	Totals.
<i>Brought forward</i> .....		126	12,246	4,992	5,299	780	2,567	1,512	27,522
Summer st. ....	4-in.			248					248
Hawthorne st. ....	2-in.		337						337
Everett ave. ....	6-in.		268						268
Cottage st. ....	4-in.		15						15
Broadway .....	4-in.		367						367
Auburn st. ....	4-in.	15							15
Somerville :									
Elm place. ....	3-in.	13							13
Loring st. ....	4-in.	6							6
Adams st. ....	4-in.		7						7
Ashland st. ....	3-in.		47						47
Beech st. ....	4-in.		21	778					799
Chandler st. ....	4-in.		389						389
Cherry st. ....	4-in.		18	60					78
Claremon st. ....	4-in.		585						585
Craigie st. ....	4-in.		15	1,319					1,334
Elm st. ....	6-in.		36			2,750			2,786
Evergreen ave. ....	4-in.		27						27
Harvard st. ....	8-in.					2,775			2,775
Highland st. ....	6-in.		70	60					130
Howe st. ....	4-in.		27						27
Irving st. ....	4-in.		24						24
“ “ .....	6-in.			1,182					1,182
Mead st. ....	4-in.		270						270
Moore st. ....	4 in.		574						574
Park ave. ....	4-in.		516						516
Pitman st. ....	4-in.		52						52
Somerville ave. ....	6-in.		30			1,690			1,720
Summit st. ....	4-in.		118						118
Summer st. ....	6-in.				4,055				4,055
Winter st. ....	4-in.		456						456
Adams st. ....	4-in.			413					413
Belmont st. ....	4-in.			27					27
Harvard st. ....	6 in.			781					781
Lowell st. ....	6-in.			14					14
<i>Carried forward</i> .....		160	16,515	9,874	9,354	7,995	2,567	1,512	47,977

**Distribution-Pipes Relaid — Concluded.**

LOCATION.	Original Size.	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	24-in.	Totals.
<i>Brought forward..</i>		160	16,515	9,874	9,354	7,995	2,567	1,512	47,977
Linden ave. ....	4-in.	..	..	1,122	..	..	..	..	1,122
Orchard st. ....	4-in.	..	..	1,000	..	..	..	..	1,000
Porter st. ....	4-in.	..	..	61	..	..	..	..	61
Prescott st. ....	6-in.	..	..	34	..	..	..	..	34
Spring st. ....	4-in.	..	..	428	..	..	..	..	428
Vinal ave. ....	6-in.	..	..	40	..	..	..	..	40
Wallace st. ....	6-in.	..	..	1,360	..	..	..	..	1,360
Marshall st. ....	6-in.	..	..	..	1,674	..	..	..	1,674
School st. ....	4-in.	..	..	..	313	..	..	..	313
Central st. ....	12-in.	..	..	..	..	80	..	..	80
Mossland st. ....	4-in.	..	..	..	..	394	..	..	394
Sacramento st. ....	6-in.	..	..	..	..	60	..	..	60
Totals .....		160	16,515	13,919	11,341	8,529	2,567	1,512	54,543

Extension of Distribution-Pipes.

LOCATION.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	Totals.
Charlestown :									
Rutherford avenue.....		1,157							1,157
Chelsea :									
Marlboro' street.....		24							24
Prescott avenue.....		360							360
Elm street .....		614							614
W. Third street.....		48							48
Fifth street.....			1,000						1,000
Garfield avenue .....		1,504							1,504
Cook avenue.....		72							72
Sagamore avenue .....		1,550							1,550
Lambert avenue.....		278							278
Cheever street.....		400							400
Maple street.....		300							300
Everett :									
George street .....	337								337
Orange court.....	332								332
Oliver street .....		316							316
Union avenue.....	180								180
Pearl street .....		170							170
Tremont street.....		333							333
Pleasant street .....		1,571							1,571
Broadway .....		595							595
Carlson street .....		334							334
Betty avenue.....		15							15
Baldwin avenue.....		508							508
Stevenson street.....		431							431
Jefferson street .....		500							500
Summit avenue .....		15							15
Elm street .....		18	1,496						1,514
Irving street .....				805					805
Union street.....				505					505
Clark street.....	140	28							168
Dyer avenue .....	207								207
<i>Carried forward...</i>	1,196	11,141	2,496	1,310					16,143

Extension of Distribution-Pipes. — *Continued.*

LOCATION.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	Totals.
<i>Brought forward..</i>	1,196	11,141	2,496	1,310	.....	.....	.....	.....	16,143
Locust street. ....	325	.....	.....	.....	.....	.....	.....	.....	325
Hazel Park.....	187	.....	.....	.....	.....	.....	.....	.....	187
Glendale street.....	.....	681	.....	.....	.....	.....	.....	.....	681
Union street.....	.....	128	.....	.....	.....	.....	.....	.....	128
Malden street.....	.....	388	.....	.....	.....	.....	.....	.....	388
Henderson street.....	.....	290	.....	.....	.....	.....	.....	.....	290
Francis street.....	.....	1,348	.....	.....	.....	.....	.....	.....	1,348
Sunnyside avenue.....	.....	334	.....	.....	.....	.....	.....	.....	334
Neilson avenue.....	17	.....	.....	.....	.....	.....	.....	.....	17
Blanchard avenue....	17	.....	.....	.....	.....	.....	.....	.....	17
Ferry street.....	.....	420	.....	.....	780	.....	.....	.....	1,200
Crescent street.....	.....	109	.....	.....	.....	.....	.....	.....	109
Woodland avenue....	.....	222	.....	.....	.....	.....	.....	.....	222
Pleasant avenue....	.....	340	.....	.....	.....	.....	.....	.....	340
Tappan street.....	.....	148	.....	.....	.....	.....	.....	.....	148
Waters avenue.....	.....	210	.....	.....	.....	.....	.....	.....	210
Elmway.....	.....	14	.....	.....	.....	.....	.....	.....	14
Williams street.....	.....	134	.....	.....	.....	.....	.....	.....	134
Norman street.....	.....	145	.....	.....	.....	.....	.....	.....	145
Adams avenue.....	.....	38	.....	.....	.....	.....	.....	.....	38
Jackson avenue.....	.....	41	.....	.....	.....	.....	.....	.....	41
Madison avenue.....	.....	19	.....	.....	.....	.....	.....	.....	19
Springvale avenue....	.....	545	.....	.....	.....	.....	.....	.....	545
Calhoun avenue.....	.....	300	.....	.....	.....	.....	.....	.....	300
Jefferson street.....	.....	319	.....	.....	.....	.....	.....	.....	319
Cedar street.....	.....	486	.....	.....	.....	.....	.....	.....	486
Bennett street.....	.....	92	.....	.....	.....	.....	.....	.....	92
Bradford street.....	.....	27	.....	.....	.....	.....	.....	.....	27
Magnolia court.....	173	.....	.....	.....	.....	.....	.....	.....	173
Winter street.....	.....	510	.....	.....	.....	.....	.....	.....	510
Vine.....	.....	.....	.....	45	.....	.....	.....	.....	45
Street, off Elm street.	.....	15	.....	.....	.....	.....	.....	.....	15
Street, off Elm street.	.....	15	.....	.....	.....	.....	.....	.....	15
Summit street.....	.....	15	.....	.....	.....	.....	.....	.....	15
<i>Carried forward...</i>	1,915	18,474	2,496	1,355	780	.....	.....	.....	25,020

Extension of Distribution-Pipes.—Continued.

LOCATION.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	Totals.
<i>Brought forward</i> ..	1,915	18,474	2,496	1,355	780	.....	.....	.....	25,020
Somerville :									
Cook street .....	3	.....	.....	.....	.....	.....	.....	.....	3
Cragie street.....	6	9	.....	.....	.....	.....	.....	.....	15
Lexington avenue.....	52	.....	.....	.....	.....	.....	.....	.....	52
Linden avenue .....	285	.....	.....	.....	.....	.....	.....	.....	285
Summer street .....	40	34	.....	891	.....	.....	.....	.....	965
Walter street .....	7	.....	.....	.....	.....	.....	.....	.....	7
Walter place. ....	8	.....	.....	.....	.....	.....	.....	.....	8
Wheeler street.....	293	.....	.....	.....	.....	.....	.....	.....	293
Wyatt street.....	3	.....	.....	.....	.....	.....	.....	.....	3
Adams street .....	.....	10	.....	.....	.....	.....	.....	.....	10
Ames street.....	.....	6	.....	.....	.....	.....	.....	.....	6
Avon street .....	.....	6	.....	100	.....	.....	.....	.....	106
Bartlett street.....	.....	316	.....	.....	.....	.....	.....	.....	316
Beech street .....	.....	345	.....	.....	.....	.....	.....	.....	345
Bradley street .....	.....	278	.....	.....	.....	.....	.....	.....	278
Cedar avenue .....	.....	55	.....	.....	.....	.....	.....	.....	55
Centre street.....	.....	219	.....	.....	.....	.....	.....	.....	219
Claremon street.....	.....	6	.....	.....	.....	.....	.....	.....	6
Concord avenue.....	.....	21	.....	.....	.....	.....	.....	.....	21
Cutter avenue.....	.....	96	.....	.....	.....	.....	.....	.....	96
Elm street .....	.....	65	.....	.....	.....	.....	.....	.....	65
Francesca avenue .....	.....	7	.....	.....	.....	.....	.....	.....	7
Fremont street.....	.....	115	.....	.....	.....	.....	.....	.....	115
Gordonia road .....	.....	16	.....	.....	.....	.....	.....	.....	16
Gorham street .....	.....	6	.....	.....	.....	.....	.....	.....	6
Hall avenue.....	.....	7	.....	.....	.....	.....	.....	.....	7
Harvard street.....	.....	7	.....	.....	.....	.....	.....	.....	7
Hawthorne street .....	.....	158	.....	.....	.....	.....	.....	.....	158
Highland avenue.....	.....	24	.....	.....	.....	.....	.....	.....	24
Irving :	.....	8	.....	.....	.....	.....	.....	.....	8
Jenny Lind avenue ..	.....	206	.....	.....	.....	.....	.....	.....	206
Linden avenue.....	.....	21	.....	.....	.....	.....	.....	.....	21
Marshall street .....	.....	42	.....	.....	.....	.....	.....	.....	42
<i>Carried forward</i> ..	2,612	20,617	2,496	2,346	780	.....	.....	.....	28,851

Extension of Distribution-Pipes. — *Continued.*

LOCATION.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	Totals.
<i>Brought forward ..</i>	2,612	20,617	2,496	2,346	780	.....	.....	.....	28,851
Meacham street.....		8	.....	.....	.....	.....	.....	.....	8
Mead street.....		20	.....	.....	.....	.....	.....	.....	20
Medford street.....		18	.....	.....	.....	.....	.....	.....	18
Melvin street.....		62	.....	.....	.....	.....	.....	.....	62
Minnie avenue.....		722	.....	.....	.....	.....	.....	.....	722
Moore street.....		150	.....	.....	.....	.....	.....	.....	150
Moreland street.....		153	.....	100	.....	.....	.....	.....	253
Mortimer place.....		100	.....	.....	.....	.....	.....	.....	100
Mossland street.....		7	.....	.....	.....	.....	.....	.....	7
Munroe street.....		16	.....	.....	.....	.....	.....	.....	16
Orchard street.....		18	.....	.....	.....	.....	.....	.....	18
Park avenue.....		6	.....	.....	.....	.....	.....	.....	6
Pembroke street.....		62	.....	.....	.....	.....	.....	.....	62
Russell street.....		283	.....	.....	.....	.....	.....	.....	283
Sacramento street.....		10	.....	.....	.....	.....	.....	.....	10
School street.....		7	.....	.....	.....	.....	.....	.....	7
Somerville avenue.....		20	.....	.....	.....	.....	.....	.....	20
Spring street.....		7	.....	.....	.....	.....	.....	.....	7
Stanford street.....		218	.....	.....	.....	.....	.....	.....	218
Sycamore street.....		602	3	.....	.....	.....	.....	.....	605
Tower street.....		7	600	.....	.....	.....	.....	.....	607
Veazie street.....		342	.....	.....	.....	.....	.....	.....	342
Wallace street.....		35	.....	.....	.....	.....	.....	.....	35
Walton street.....		563	.....	.....	.....	.....	.....	.....	563
Ware street.....		132	.....	.....	.....	.....	.....	.....	132
Washington street ..		9	.....	.....	.....	.....	.....	.....	9
Winter street.....		6	.....	.....	.....	.....	.....	.....	6
Woodbine street.....		472	.....	.....	.....	.....	.....	.....	472
Walter place.....		214	.....	.....	.....	.....	.....	.....	214
Banks street.....		.....	52	.....	.....	.....	.....	.....	52
Bradley street.....		.....	204	.....	.....	.....	.....	.....	204
Burnside avenue.....		.....	239	.....	.....	.....	.....	.....	239
Francesca avenue.....		.....	33	.....	.....	.....	.....	.....	33
<i>Carried forward ..</i>	2,612	24,886	3,627	2,446	780	.....	.....	.....	34,351



Extension of Distribution Pipes. — *Concluded.*

LOCATION.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	20-in.	Total.
<i>Brought forward.</i>	2,612	24,886	3,627	2,446	780	.....	.....	.....	34,351
Tremont street.....	.....	.....	567	.....	.....	.....	.....	.....	567
Hall avenue.....	.....	.....	431	.....	.....	.....	.....	.....	431
Hancock street.....	.....	.....	100	.....	.....	.....	.....	.....	100
Liberty avenue.....	.....	.....	218	.....	.....	.....	.....	.....	218
Meacham street.....	.....	.....	504	.....	.....	.....	.....	.....	504
Melvin street.....	.....	.....	72	.....	.....	.....	.....	.....	72
Central street.....	.....	.....	.....	.....	6	.....	.....	.....	6
Kent street.....	.....	.....	.....	.....	76	.....	.....	.....	76
Lowell street.....	.....	.....	.....	.....	16	.....	.....	.....	16
Richdale avenue.....	.....	55	.....	.....	.....	.....	.....	.....	55
Totals.....	2,612	24,941	5,519	2,446	878	.....	.....	.....	36,396

## Length of Pipes, Relaid, Extended, and Abandoned.

1894.	3-in.	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	24-in.	Totals.
Charlestown :									
Pipes relaid.....							384	1,582	1,896
Pipes extended.....			1,157						1,157
Total laid .....			1,157				384	1,512	3,053
Pipes abandoned.....							1,896		1,896
Net increase or decrease....			1,157				1,512	1,512	1,157
Chelsea :									
Pipes relaid .....			9,173	4,697	75				13,945
Pipes extended .....			5,150	1,000					6,150
Total laid .....			14,323	5,697	75				20,095
Pipes abandoned .....	3,807	8,882	206	975	75				13,945
Net increase or decrease....	3,807	8,882	14,117	4,722					6,150
Somerville :									
Pipes relaid .....		19	3,282	8,679	6,042	7,749			25,771
Pipes extended .....		697	6,467	3,023	1,091	98			11,376
Total laid.....		716	9,749	11,702	7,133	7,847			37,147
Pipes abandoned .....	60	9,020	13,836	2,775		80			25,771
Net increase or decrease....	60	8,304	4,087	8,927	7,133	7,767			11,376
Everett :									
Pipes relaid .....		141	4,060	543	5,224	780	2,183		12,931
Pipes extended .....		1,915	12,167	1,496	1,355	780			17,713
Total laid .....		2,056	16,227	2,039	6,579	1,560	2,183		30,644
Pipe abandoned.....	126	6,561	5,907						12,594
Net increase or decrease....	126	4,505	10,320	2,039	6,579	1,560	2,183		18,050

	3-in.	4-in.	6-in.	8-in.	10-in.	12-in.	16-in.	24-in.	Totals.
Mystic Works, totals .....									
Pipes relaid.....		160	16,515	13,919	11,341	8,529	2,567	1,512	54,543
Pipes extended .....		2,612	24,941	5,519	2,446	878	.....	.....	36,396
Total laid .....		2,772	41,456	19,438	13,787	9,407	2,567	1,512	90,939
Pipes abandoned .....	3,993	24,463	19,949	3,750	75	80	1,896	.....	54,206
Net increase or decrease ...	3,993	21,691	21,507	15,688	13,712	9,327	671	1,512	36,733

**Length of Distributing-Mains connected with Works, February 1, 1895.**

**DIAMETER.**

	3-in.	4-in.	6-in.	8-in.	10-in.	12-in.	14-in.	16-in.	18-in.	20-in.	24-in.	30-in.	36-in.	Totals.
Charlestown.....	2,436	25,033	65,543	22,951	7,063	15,087	.....	18,628	.....	6,180	18,494	25,206	974	207,685
Chelsea.....	14,506	53,480	67,722	15,327	28,536	.....	.....	2,348	.....	.....	.....	.....	.....	181,919
Everett.....	788	56,581	73,222	11,453	20,568	1,937	206	2,233	.....	2,900	.....	.....	.....	169,883
Somerville.....	6,905	74,819	170,319	53,243	20,853	20,938	8,037	996	387	1,063	.....	.....	.....	357,560
Totals.....	24,635	209,913	376,806	102,974	77,015	37,962	8,243	24,205	387	10,143	18,494	25,296	974	917,047

**Number of Gates connected with Works, February 1, 1895.**

Charlestown.....	13	170	230	59	20	38	.....	25	.....	4	12	12	.....	583
Chelsea.....	30	175	108	30	22	.....	.....	.....	.....	.....	.....	.....	.....	365
Everett.....	2	155	266	25	36	4	1	4	.....	4	.....	.....	.....	497
Somerville.....	5	197	348	61	38	41	.....	2	.....	1	.....	.....	.....	693
Totals.....	50	697	952	175	116	83	1	31	.....	9	12	12	.....	2,138

**Hydrants Established.**

	ESTABLISHED.				Increase.	REMARKS.
	Lowry.	Boston Lowry.	Post.	Flush.		
Charlestown .....	10	.....	.....	.....	5	5 P. aban. in Charlestown.
Chelsea .....	.....	.....	13	.....	13	
Everett .....	.....	.....	56	.....	56	
Somerville .....	.....	.....	97	.....	74	23 P. aban. in Somerville.
Totals.....	10	.....	166	.....	148	

**Total Number of Hydrants in use February 1, 1895.**

	Lowry.	Boston Lowry.	Post.	Flush.	Total.
Charlestown .....	215	37	74	10	336
Chelsea .....	.....	.....	196	4	200
Everett .....	.....	.....	257	.....	257
Somerville .....	.....	.....	642	.....	642
Medford .....	.....	.....	2	6	8
Pumping-station .....	.....	.....	2	1	3
Totals.....	215	37	1,173	21	1,446

Respectfully submitted,

EUGENE S. SULLIVAN,  
*Superintendent.*

## APPENDIX D.

## REPORT OF THE ENGINEER.

ENGINEERING DEPARTMENT,  
CITY HALL, January 31, 1895.

THOMAS F. DOHERTY, Esq.,  
*Chairman Boston Water Board:*

SIR: I hereby submit the following report of the work done and records kept during the past year:

## SOURCES OF SUPPLY.

The rainfall during the year 1894 was much below the average, and in consequence the supply of water in the different storage reservoirs was reduced to a very small amount.

The rainfall and quantities collected on the several watersheds were as follows:

	Sudbury.	Cochituate.	Mystic.
Rainfall in inches . . . . .	39.74	39.08	39.24
“ collected in inches . . . . .	16.182	12.99	14.40
Daily average yield of water-shed in gallons . . . . .	57,937,800	11,674,000	18,429,500

*Reservoir No. 1.*

*Grades, H. W., 161.00; Tops of Flash-boards, 159.29 and 158.41; Crest of Dam, 157.54. Area, Water Surface, 143 acres; Greatest Depth, 14 ft.; Contents below 161.00, 376,900,000; Below 159.29, 288,400,000 gals.*

The surface of this reservoir was about 2 feet below the crest of the dam on January 1, 1894, and no water was wasted until February 23. With the exception of four days in April, water was wasted over the dam from February 23 until May 7, when the flash-boards were placed upon the dam. On May 26 the reservoir was full and waste began over the flash-boards, continuing until June 13.

The flash-boards were removed on November 8, and waste occurred from November 8 to December 3, from December 16 to 22, and on December 27 and 28.

This dam is in good condition.

*Reservoir No. 2.*

*Grades, H. W., 168.00; Tops of Flash-boards, 167.12 and 166.49; Crest of Dam, 165.87.  
Area, Water Surface, 134 acres; Greatest Depth, 17 ft.; Contents, Below 168.00,  
568,300,000; Below 167.12, 529,860,000 gals.*

This reservoir was 7 feet below the level of the top of the flash-boards on January 1, 1894. On February 23 the water level reached the crest of the dam, and the reservoir remained full until the middle of June, when it was drawn upon for the supply of the city, and on July 17 it was 7 feet below the flash-boards. During August and September water was run into the reservoir from Reservoirs 4 and 6, raising the water surface about 2 feet, and in November and December it was gradually filled so that on January 1, 1895, the water surface was about 1 foot below high water.

The dam is in good condition.

*Reservoir No. 3.*

*Grades, H. W., 177.00; Crest of Dam (no Flash-boards), 175.24.  
Area at 177.00, 253 acres; Contents, below 177.00, 1,224,500,000 gallons.  
Area at 175.24, 248 acres; Contents below 175.24, 1,081,500,000 gals.  
Greatest Depth, 21 ft.*

On February 1, 1894, this reservoir was 2.68 feet below high-water mark. On February 21 waste began over the dam, and continued during the greater portion of the time until June 6. On July 18 the surface had fallen to 168.42, or 6.82 feet below the crest of the dam. On November 8 the reservoir was again full, and has continued at or near that point to the present time.

The dam is in good condition.

*Reservoir No. 4.*

*Grades, H. W., 215.21; Tops of Flash-boards, 215.21 + and 214.89;  
Crest of Dam, 214.23.  
Area, Water Surface, 167 acres; Greatest Depth, 49 ft.; Contents below 215.21,  
1,416,400,000 gals.*

On February 1, 1894, this reservoir was 29.45 feet below high-water mark. It was gradually filling during March, April, and May, and reached high-water mark on June 6.

On July 17 it was drawn upon for the supply of the city, and on September 11 the reservoir was practically empty, and the outlet gate was closed. Since November 1 it has been gradually filling.

The dam is in good condition.

*Reservoir No. 5.*

Work upon the construction of the dam was commenced on April 10 by the contractors, and has been prosecuted throughout the year. About two miles of new highway have been built to replace a road cut off by the dam. Surveys

have been made and plans and specifications are now being prepared for removing the shallow flowage in the reservoir from the dam to Southboro'. It is proposed to leave the shallow flowage on the Marlboro' branch of the reservoir, which is at a higher level, until next year.

The following report of Desmond FitzGerald, resident engineer, gives further information in regard to the work on this reservoir, as well as other matters connected with additional supply :

SOUTH FRAMINGHAM, MASS., January 1, 1895.

WILLIAM JACKSON, Esq., *City Engineer* :

DEAR SIR : The following brief report of engineering work for the year 1894 on Additional Supply is submitted. Basin No. 6 was sufficiently completed on January 1 to be put into service, and furnished the city with water during the summer. It was filled in the spring, and as the water rose the riprap was added on the up-stream slope. Later in the season the walk on top of the dam was added, and the slope on the down-stream side sodded and seeded. The dam and basin may be said to be entirely completed, although the filter beds in connection with Gate-house No. 2 have only been fairly commenced.

The branches and gates for the distribution of the water have, however, been placed in position. On the last day of April the taking plans were filled for Basin No. 5.

They covered 228 separate parcels of land, and the descriptions required 151 sheets of legal cap. The final locations of all the roads have been determined. There are 1.66 miles of road to be raised, 5.8 miles to be rebuilt, and 8.43 miles to be discontinued. The work of cross sectioning the entire basin is now under way.

On April 10 Moulton & O'Mahoney began work on Basin No. 5, and have made excellent progress. The stripping under the dam has been completed, the trenches excavated, and the core-wall laid on its foundations for about half the length of the dam. In the centre of the valley the rock was found to be of very poor quality, as was expected, and the excavations were carried out deeper than the plans called for. The three 48-inch pipes in the Gate-house have been laid and covered with rubble masonry, and the foundations for the overflow carried across the bed of the stream and completed to grade 190. The following table shows the materials handled :

Soil stripping . . .	29,794 cubic yards.
Earth excavation . . .	36,548 " "



Rock excavation . . . . .	14,607	cubic yards.
Concrete masonry . . . . .	3,348	“ “
Rubble “ . . . . .	6,410	“ “
Brick “ . . . . .	21	“ “
Range work “ . . . . .	164	“ “
Dimension “ . . . . .	84	“ “
Plastering “ . . . . .	1,207	square “

Early in the spring plans and specifications were prepared for building about two miles of new highway below the dam to replace a road cut off by the dam. Berry Bros. secured the contract on June 7, and work began on June 18, and was completed on November 16. The following is a table of quantities :

NOVEMBER 24, 1894.

Fourth and final estimate of work done and material furnished on two roads in Framingham and Southboro, by Berry Bros., under their contract dated June 7, 1894. (199-1894-27 :)

27,245	cubic yards	Earth excavation,	Item “ a,”	at 0.19	\$5,176 55
555.4	“ “	Rock “ . . . . .	“ “ b,”	“ 1.25	694 25
287	“ “	Split stone Masonry,	“ “ c,”	“ 7.25	2,080 75
459.4	“ “	Dry rubble “ . . . . .	“ “ d,”	“ 3.75	1,722 75
113.2	“ “	Paving in mortar . . . . .	“ “ e,”	“ 3.50	396 20
35.75	“ “	Concrete . . . . .	“ “ f,”	“ 4.25	151 94
652.85	rods . . . . .	Stone wall . . . . .	“ “ g,”	“ 3.75	2,448 19
Total . . . . .					<u>\$12,670 63</u>

Very truly yours,

(Signed) . . . . . DESMOND FITZGERALD,  
*Resident Engineer.*

*Reservoir No. 6.*

*Grades, H. W., 295.00; Top of Flash-boards, 295.00; Crest of Dam, 294.00.  
Estimated Area, 185 acres; Estimated Contents, 1,530,300,000 gals.*

This reservoir was so nearly completed that it was used for the storage of water during the spring of 1894.

There was not sufficient rainfall to completely fill the basin, but the surface rose to within 2.25 feet of the high-water mark. During September and October water was taken from this reservoir for the supply of the city, and its surface was lowered about 18 feet. The outlet gate was closed on November 30, and on December 31 the water had risen to 278.78. The riprap on the up-stream slope of the dam has been completed, the down-stream slope sodded and seeded, and a walk made on the top of the dam.

In the fall it was found that a dam on a stream near the

head of the reservoir had been rebuilt by the owners of the land, thus flowing a large swamp. The dam and about forty acres of land above have been taken for the purpose of removing the dam and deepening the brook.

The dam is in good condition.

### *Whitehall Pond.*

*Elevation, H. W. 327.91; Bottom of Gates, 317.78.*

*Area at 327.91, 601 acres; Contents, between 327.91 and 317.78, 1,256,900,000 gals.*

On January 1 the surface of the pond was 2.97 feet below high water. During the spring it rose, and on June 4 was 326.82 or 1.09 below high water. On September 19, it had fallen to 324.35, and on October 25 to 322.40.

During October, November, and December it remained near this height, rising during the latter month to 323.23 on December 31. About 10,000,000 gallons per day were drawn from the pond from August 17 to 21, and from September 13 to October 18. During the remainder of the year no water was drawn from the pond except to supply Wood Bros. shoe factory. Plans and specifications for a new dam at the outlet of the pond are now being made.

*Cedar Swamp.* — Surveys have been made for the taking of land, and plans and specifications have been prepared for the draining of the swamp.

### *Farm Pond.*

*Grades, H.W. 149.25; Low Water, 146.00.*

*Area at 149.25, 159 acres; Contents, between 149.25 and 146.00, 165,500,000 gals.*

No water was taken from this pond for the supply of the city. The surface of the pond was about .50 below high-water on January 1, 1894. On February 21 it reached high water mark and remained at or near that point until June 14. The lowest point reached was 148.17 on September 16, and on December 31 it was 148.79, or .46 feet below high water mark.

The Framingham Water Company has drawn 117,000,000 gallons from the pond during the year.

### *Lake Cochituate.*

*Grades, H.W. 134.36; Invert Aqueduct, 121.03; Top of Aqueduct, 127.36.*

*Area, Water Surface at 134.36, 785 acres; Contents, between 134.36 and 127.36;*

*1,515,180,000; between 134.36 and 125.03; 1,910,280,000 gals.*

*Approximate Contents, Between 134.36 and 121.03, 2,447,000,000 gals.; Between 134.36 and 117.03, 2,907,000,000 gals.*

The dam is in good condition.

On January 1 the surface of the lake was 6.42 feet below high-water mark. On March 13 water was turned into the lake from the Sudbury river, and on April 1 it was 1.76

below high water. On May 1 the lake was practically full, and it remained near high-water mark until the middle of June, after which its surface gradually fell until December 10, when it reached the lowest point during the year, 126.10 above tide-marsh level, or 8.26 below high water. Since that date it has risen slightly, and is now, February 1, 7.46 below high-water mark. The beds for filtering the water of Pegan brook have been in use during the greater portion of the year, and 192,447,000 gallons of water have been pumped on to the beds. No difficulty has been experienced in the operation of the beds during the winter.

Water has been drawn from the different reservoirs as follows :

From 7	A.M. Jan. 1 to 1	P.M. Mar. 15	from Reservoir No. 1.
" 1	P.M. Mar. 15 " 11	A.M. April 10	" " " 1, 2, 3.
" 11	A.M. April 10 " 11	A.M. May 19	" " " 2, 3.
" 11	A.M. May 19 " 11	A.M. May 21	" " " 2.
" 11	A.M. May 21 " 2	P.M. May 23	" " " 2, 3.
" 2	P.M. May 23 " 11.30	A.M. May 26	" " " 3.
" 11.30	A.M. May 26 " 7	A.M. June 1	" " " 2, 3.
" 7	A.M. June 1 " 2	P.M. June 4	" " " 3.
" 2	P.M. June 4 " 11	A.M. June 11	" " " 2, 3.
" 11	A.M. June 11 " 11	A.M. June 20	" " " 2.
" 11	A.M. June 20 " 7	A.M. July 18	" " " 2, 3.
" 7	A.M. July 18 " 3	A.M. Aug. 24	" " " 2.
" 3	A.M. Aug. 24 " 7	A.M. Aug. 25	" " " 2, 3.
" 7	A.M. Aug. 25 " 3	P.M. Sept. 7	" " " 2.
" 3	P.M. Sept. 7 " 3	P.M. Sept. 10	" " " 2, 3.
" 3	P.M. Sept. 10 " 3	P.M. Oct. 30	" " " 2.
" 3	P.M. Oct. 30 " 3	P.M. Oct. 31	" " " 1, 2.
" 3	P.M. Oct. 31 " 1	P.M. Nov. 2	" " No flow.
" 1	P.M. Nov. 2 " 12	M. Nov. 17	" " " 2.
" 12	M. Nov. 17 " 7	A.M. Nov. 20	" " " 2, 3.
" 7	A.M. Nov. 20 " 3	P.M. Nov. 21	" " " 3.
" 3	P.M. Nov. 21 " 1.20	P.M. Nov. 22	" " " 2.
" 1.20	P.M. Nov. 22 " 3	P.M. Nov. 23	" " No flow.
" 3	P.M. Nov. 23 " 3	P.M. Nov. 27	" " " 2, 3.
" 3	P.M. Nov. 27 " 3	P.M. Dec. 1	" " " 2.
" 3	P.M. Dec. 1 " 11	A.M. Dec. 3	" " " 2, 3.
" 11	A.M. Dec. 3 " 7	A.M. Jan. 1	" " " 1.

The heights of the water in the various storage reservoirs on the first day of each month are given below :

		RESERVOIRS.					FARM POND.	WHITE-HALL POND.	LAKE COCHITUATE.
		No. 1.	No. 2.	No. 3.	No. 4.	No. 6.			
		Top of Flash-boards.	Top of Flash-boards.	Crest of Dam.	Crest of Dam.	Top of Flash-boards.	High Water.	High Water.	Top of Flash-boards.
		159.29	167.12	175.24	215.21	295.00	149.25	327.91	134.36
January 1,	1894 . .	155.55	160.17	168.53	178.83	. . . .	148.74	. . . .	127.04
February 1,	" . .	155.05	160.61	172.32	185.92	259.33	148.98	. . . .	127.59
March 1,	" . .	157.87	166.12	175.54	192.70	268.42	149.27	. . . .	128.22
April 1,	" . .	157.71	166.01	175.40	204.84	281.52	149.32	. . . .	132.60
May 1,	" . .	157.75	166.02	175.39	211.39	288.26	149.50	326.700	134.13
June 1,	" . .	159.56	167.24	175.54	214.60	291.08	149.39	326.800	134.24
July 1,	" . .	159.12	162.92	172.62	215.26	292.66	149.03	326.435	133.24
August 1,	" . .	158.52	162.02	169.29	207.36	292.68	148.66	325.812	131.59
September 1,	" . .	157.86	162.57	170.92	191.63	292.54	148.34	324.900	129.88
October 1,	" . .	157.46	162.94	170.95	185.54	283.30	148.19	323.680	128.14
November 1,	" . .	157.34	164.08	172.77	187.55	274.23	148.34	322.570	126.74
December 1,	" . .	157.69	164.55	175.40	191.90	275.29	148.49	322.445	126.27
January 1,	1895 . .	156.50	166.00	175.24	196.18	278.84	148.79	323.230	126.28

#### AQUEDUCTS AND DISTRIBUTING RESERVOIRS.

The Sudbury-river aqueduct has been in use 343.7 days, and has delivered 11,450,600,000 gallons into Chestnut Hill Reservoir and 962,200,000 gallons into Lake Cochituate.

The Cochituate Aqueduct has been used 361.5 days, and delivered 5,520,092,100 gallons. Both aqueducts have been cleaned during the year.

The distributing reservoirs are in good condition.

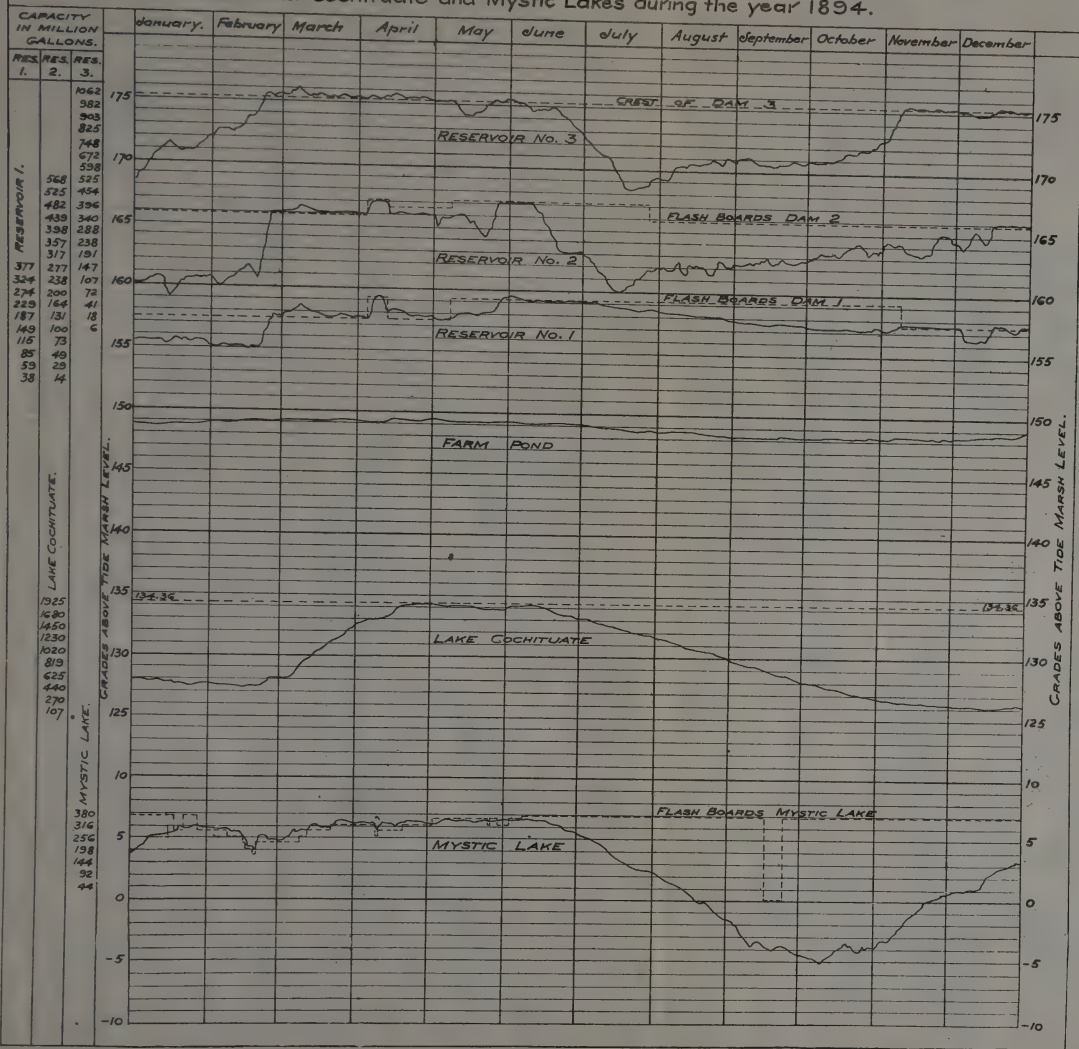
#### HIGH SERVICE PUMPING-STATIONS.

The daily average quantity pumped at the Chestnut Hill station was 8.12 per cent. more than in 1893.

Engine No. 1 was run 4,401 hours	
55 minutes, pumping . . . .	1,864,913,005 gallons
Engine No. 2 was run 4,642 hours	
20 minutes, pumping . . . .	1,927,061,540 "
Engine No. 3 pumped . . . .	3,856,050 "

# BOSTON WATER WORKS.

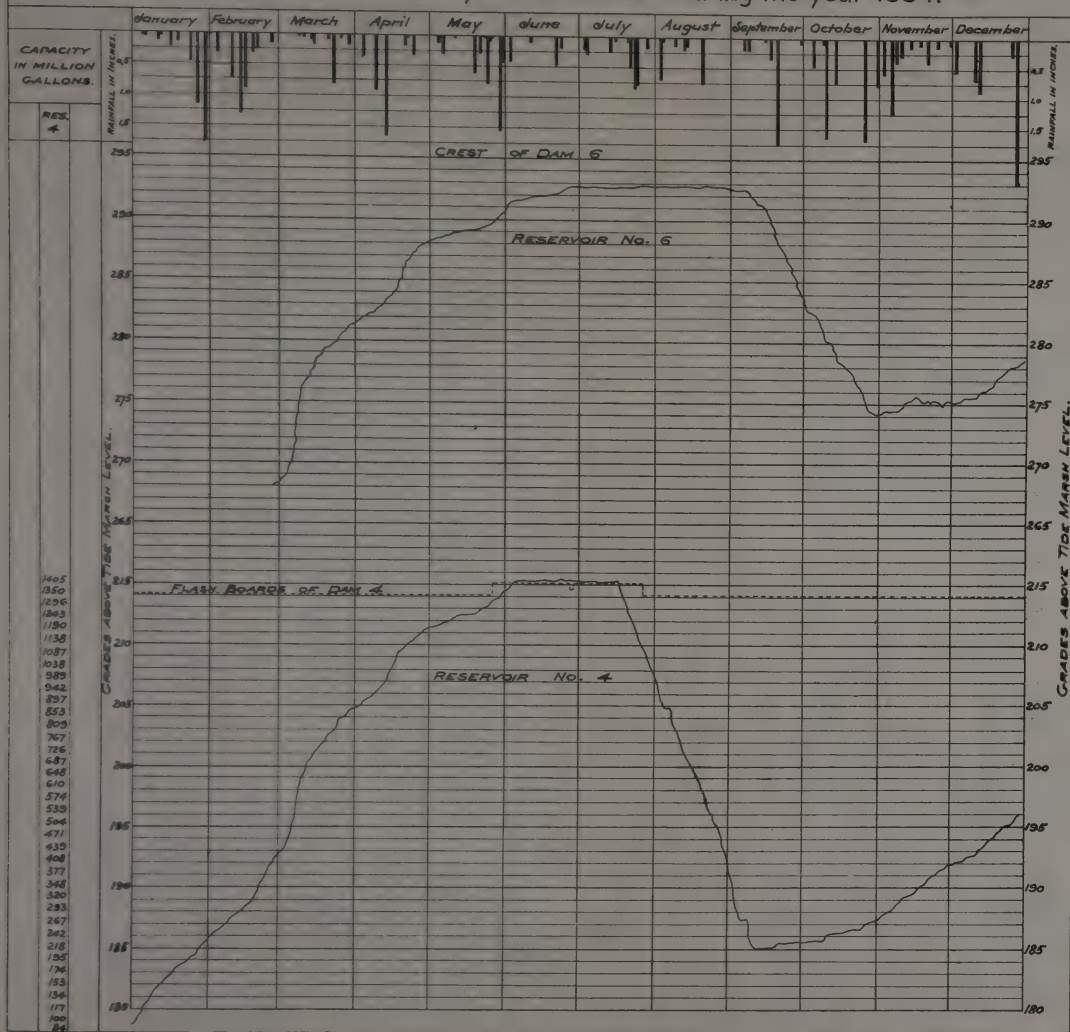
Diagram showing the heights of Sudbury River Reservoirs Nos. 1, 2 and 3, Farm Pond and Cochituate and Mystic Lakes during the year 1894.





# BOSTON WATER WORKS.

Diagram showing the heights of Sudbury River Reservoirs Nos. 4 and 6, and the Rainfall on the Sudbury River Water Shed during the year 1894.



BOSTON WATER WORKS

Diagram showing the relation between the Rainfall on the Sudbury River Water Works



111

111



Total amount pumped . . . . .	3,795,830,595 gallons
Total amount coal used . . . . .	4,637,660 lbs.
Percentage ashes and clinkers . . . . .	7.4
Average lift in feet . . . . .	126.18
Quantity pumped per lb. of coal . . . . .	818.59 gallons
Daily average amount pumped . . . . .	10,399,500 "

Table VII. on page 182 shows in detail the work done by the engines and boilers.

#### COST OF PUMPING.

Salaries . . . . .	\$15,150 31
Fuel . . . . .	7,929 59
Repairs . . . . .	548 48
Oil, waste, and packing . . . . .	842 59
Small supplies . . . . .	660 81
Total . . . . .	<hr/> \$25,131 78

Cost per million gallons raised one foot high . . . . .	\$0.052
" " " " pumped to reservoir . . . . .	6.62

Engine No. 3 has been in process of erection during the year, and was started for the first time on December 3.

The work of lagging and painting the engine is now being done, and the work will soon be completed. This engine, shown on accompanying plates, possesses several novel features.

It has been built by the Quintard Iron Works, of New York, from designs furnished by E. D. Leavitt, of Cambridge, Mass.

It is a triple expansion, three-crank rocker engine, with pistons 13.7, 24.375, and 39 inches in diameter and 6-foot stroke. The cylinders are vertical and inverted, and are carried together, with valve gear, on an entablature supported by six vertical and six diagonal columns.

The steam and exhaust valves are gridiron slides, worked by cams on a horizontal shaft, which is driven by gearing from the crank shaft. The cut-off of the high-pressure cylinder is regulated by the governor through the agency of a hydraulic cylinder, which advances or retards the cut-off cam by means of a spiral sleeve; the cut-offs of the other engines are fixed. The steam passes into the high-pressure cylinder through a separator forming a part of the inlet side-pipe. After expanding in this cylinder it passes through a tubular reheater to the intermediate cylinder, and thence through another similar reheater to the low-pressure cylinder.

The reheaters have steam of boiler pressure, or 185 pounds per square inch, on the inside of the tubes, and the working steam on the outside.

All the cylinders are steam-jacketed on the heads and barrels, the low-pressure cylinder with steam at 100 pounds and the others at 185 pounds. The jackets and reheaters using steam of boiler pressure are drained back to the boilers, while the low-pressure cylinder jacket and the working-steam side of the reheaters are drained by automatic traps discharging into the feed-water heater.

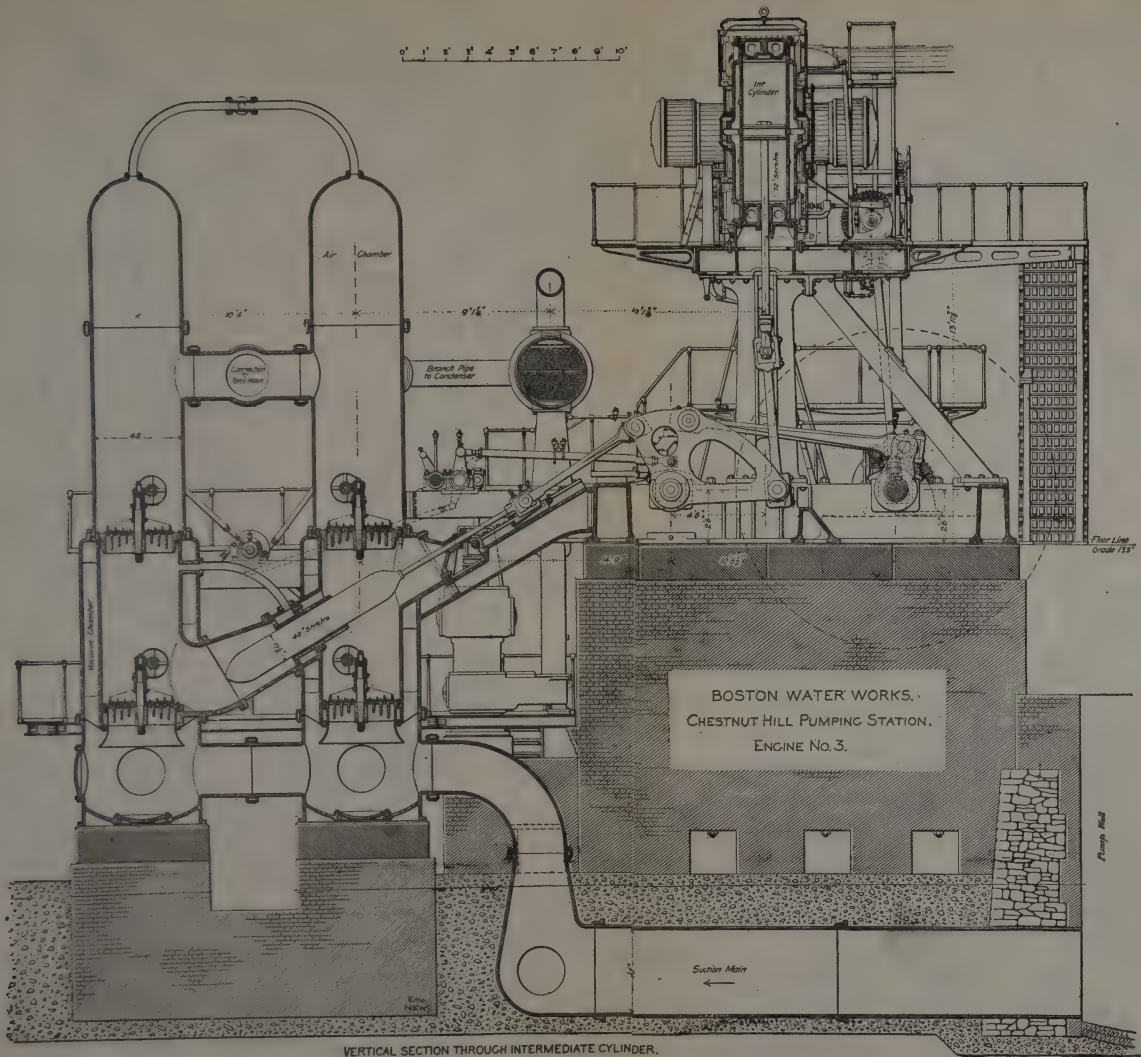
The engine cross-heads work on guides cast in the vertical columns. The motion is transmitted from the cross-heads by links to beams or rockers carried in pedestals on the bed-plate of the engine. From these beams the connecting-rods work off in one direction and the pump links in the opposite direction, but inclined at an angle of about 30 degrees from the horizontal. The leverage of the various pins in the beams is such that the stroke, which is six feet in the case of the steam pistons, is reduced to four feet for the pump plungers, which is also the amount of the double throw of the cranks. The crank-shaft has three cranks set at angles of 120 degrees, the low-pressure crank leading, followed by the intermediate and high-pressure cranks.

The shaft is carried in four adjustable four-box pedestals, with overhung end cranks. Between two of these pedestals is the fly-wheel, and between the other two the gear for driving the cam-shaft. There are three double-acting inclined pumps, having plungers 17.5 inches in diameter and of 4 feet stroke. The pumps are seated on foundations at a lower level than those for the engines, the pump chambers being tied to the engine bed plate by horizontal girders, as well as by the pump cross-head guides, which are inclined 30 degrees from the horizontal. This peculiar arrangement of inclined pumps was found necessary to suit existing conditions of engine-house, pump-well, etc.

The pump bases, or suction chambers, six in number, one for each end of each pump, are connected together, and the bases of each pump are connected by a separate suction-pipe.

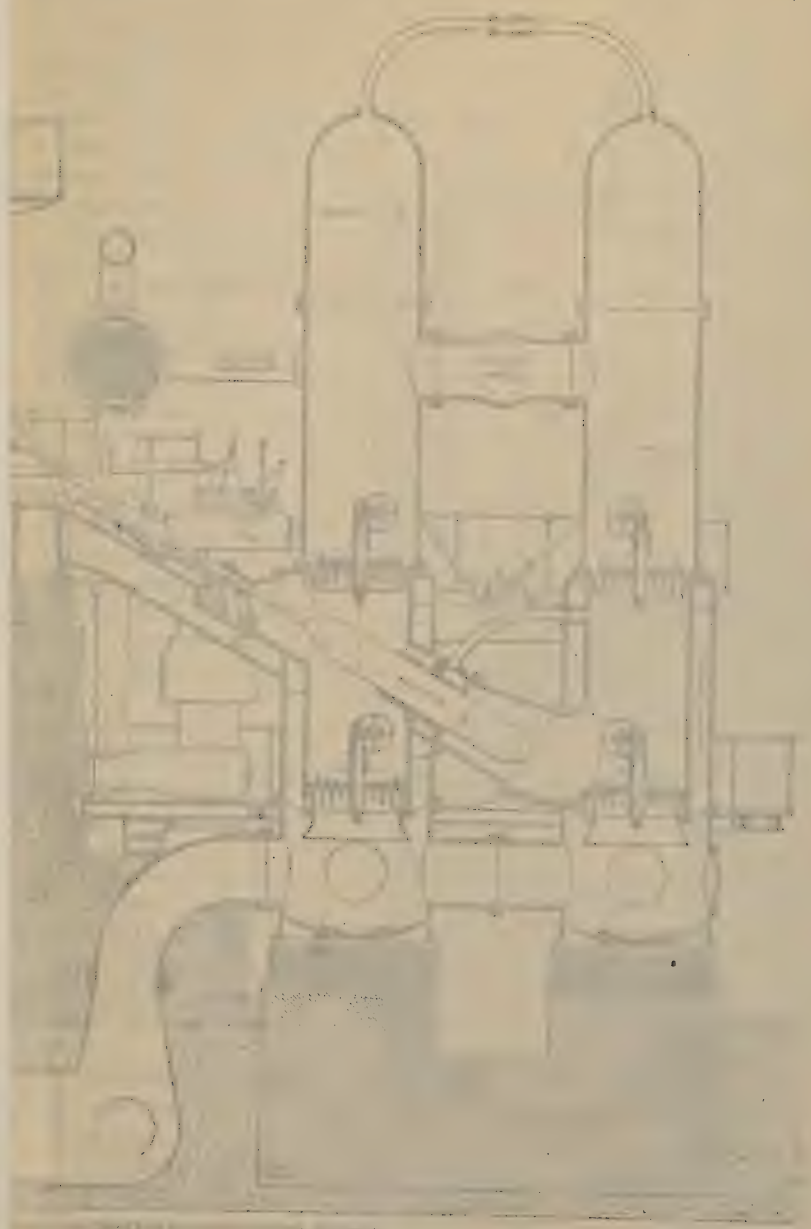
The lower or working pump chambers are surrounded by annular spaces throughout their height, forming vacuum chambers.

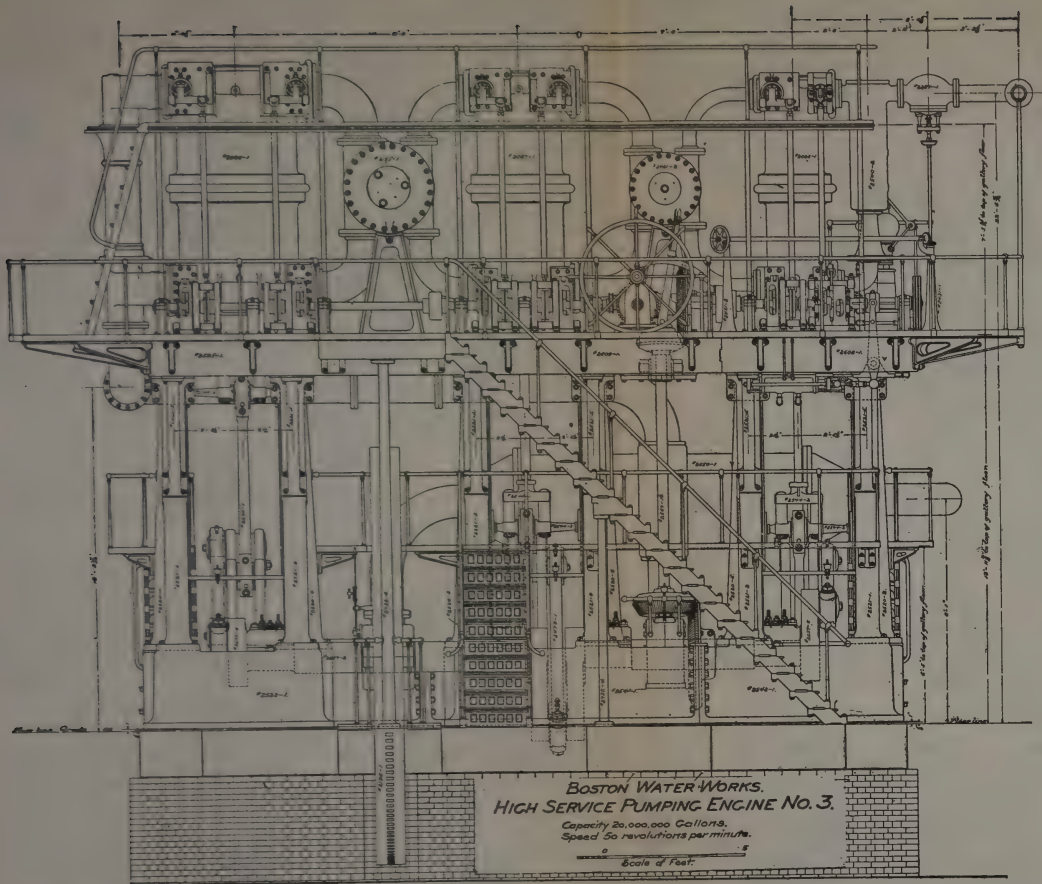
The upper pump chambers contain the delivery nozzles, and above these are the air chambers, all six of the latter being connected by pipes. Each end of each pump has one suction and one delivery valve, consisting of a number of rigidly connected rings covering annular openings in the

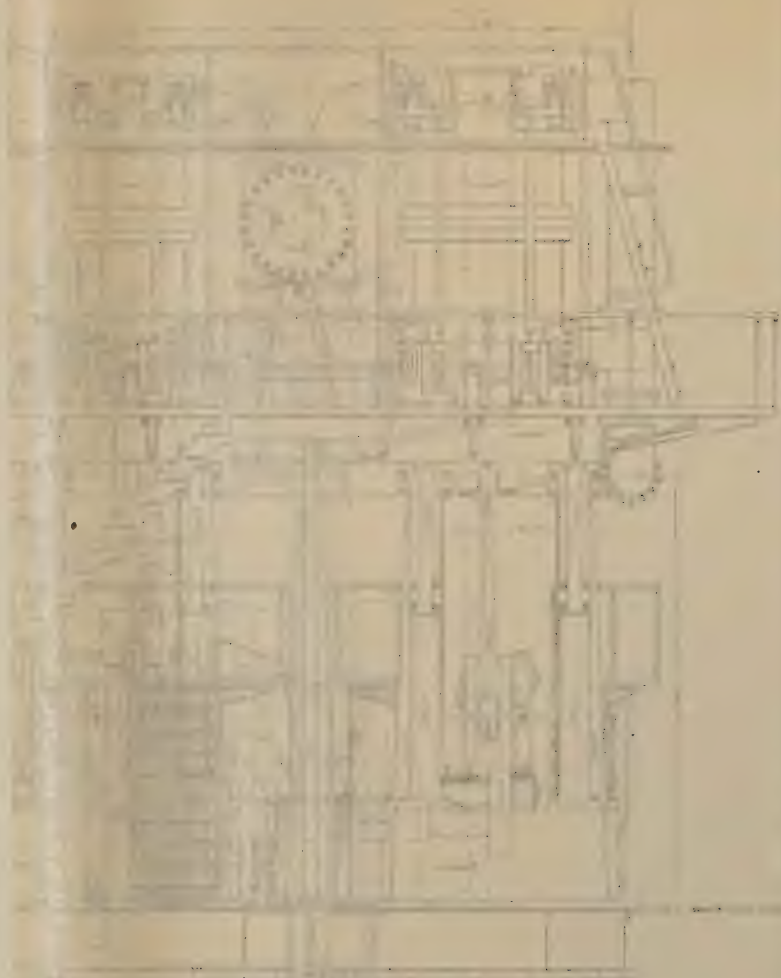


VERTICAL SECTION THROUGH INTERMEDIATE CYLINDER.

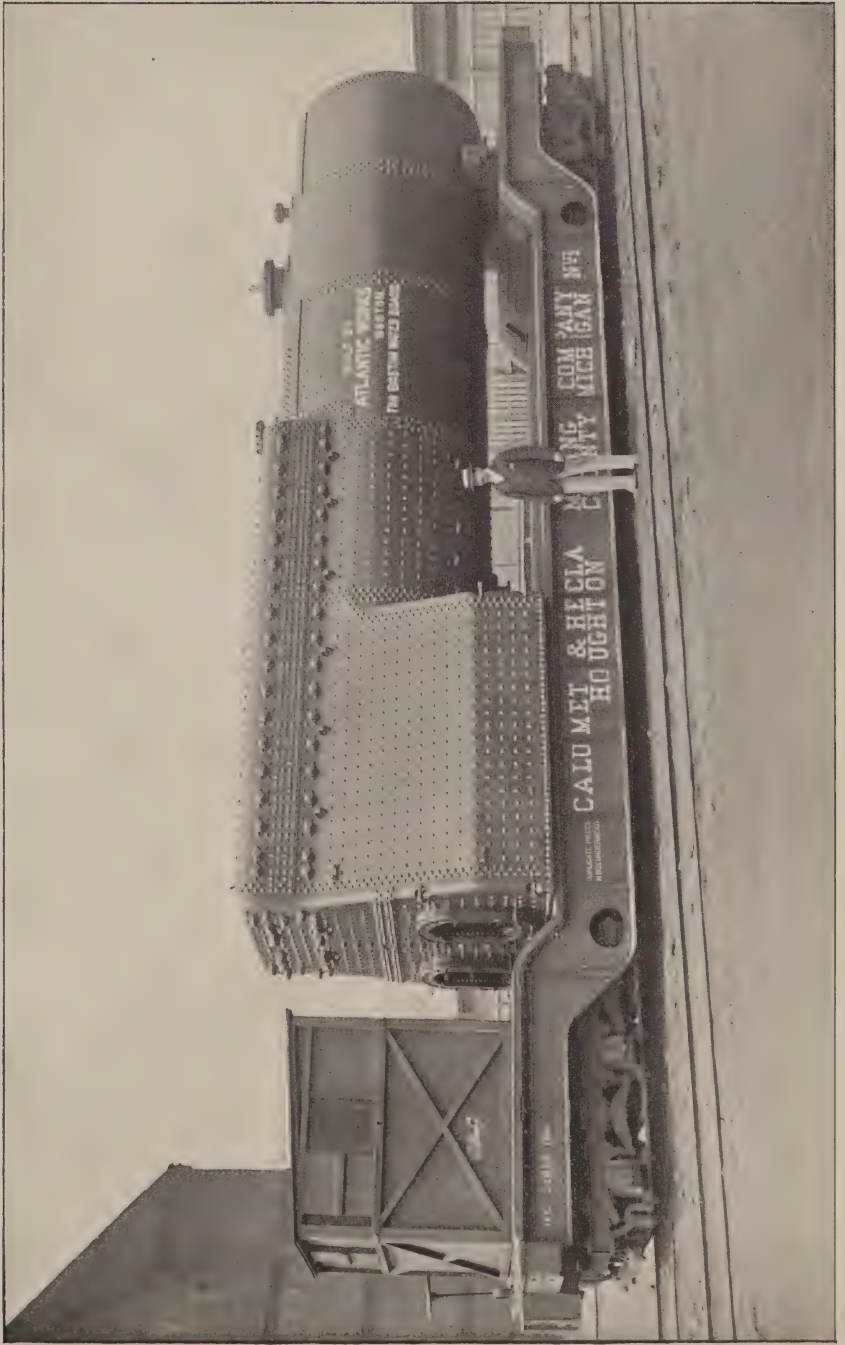
1875







Architectural drawing showing a floor plan with various rooms and structural details. The drawing includes a central circular feature and several rectangular rooms. The drawing is oriented vertically on the page.









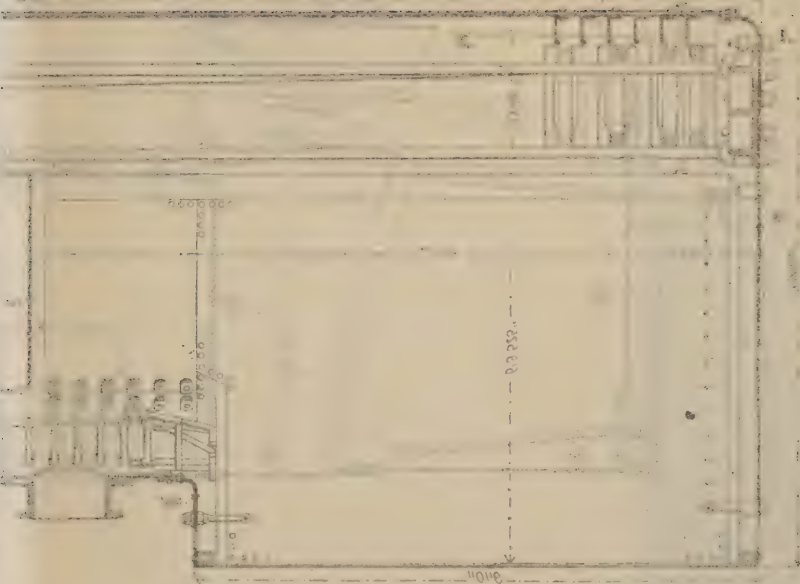


FIG. 5

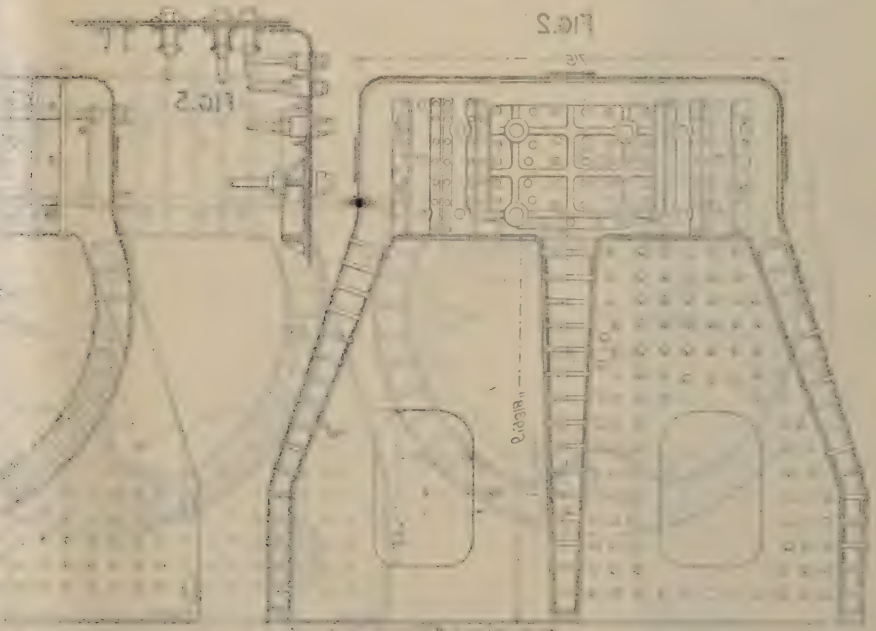


FIG. 2

valve seats. The speed necessary for the required duty capacity of 20,000,000 gallons per 24 hours is 50 revolutions per minute, but the engine has been designed to run easily at 60 revolutions. The head pumped against is 128 feet, or about 55 pounds per square inch.

Each pump contains one suction and one delivery valve, each about three feet in diameter. The use of these large valves, together with the phenomenally high speed, is made possible by the method of working the pump valves, which is the invention of Prof. Riedler, of the Royal Polytechnic School, of Berlin, Germany. This invention consists in closing each valve positively at just the moment of reversal of stroke by means of the levers and rods shown in the cuts.

After closing the valves the mechanism moves out of the way, leaving the valves free to open automatically. This is the first engine of the type built in this country, but they are no novelty abroad, being in use at many water-works, notably those of London, Berlin, Hamburg, Leipzig, Buda-Pesth, Breslau, Rotterdam, Heilbron, Mannheim, Mulhausen, etc., at some of which places speeds of 75 revolutions per minute are attained.

The condenser is of the surface type, having 1,410 square feet of tube surface, with water passing through the tubes.

The condensing water is taken from one of the upper pump chambers, and after passing through the condenser is delivered into the force main. A butterfly valve in one or the pump discharge-pipes permits the quantity of condensing water to be easily regulated. The air-pump is of the single-acting bucket type, 24 inches diameter and 12-inch stroke, situated directly below the condenser, and worked by an arm on one of the pump valve gear rocker shafts.

Steam for the engine is furnished by a Belpaire fire-box boiler having two separate furnaces and a common combustion chamber. The boiler is 34 feet 4 inches in length, with a least internal diameter of shell of 90 inches. The tubes are 201 in number, 3 inches in diameter, 16 feet long. The feed water, before entering the boiler, passes through a Green Economizer, where it is heated by the escaping gases from the boiler.

To accommodate the new boiler an addition has been made at the rear of the boiler-house at a cost of \$3,597.25.

At the West Roxbury pumping-station the daily average quantity pumped was 121,500 gallons, an increase of 25.4 per cent. over the amount pumped in the previous year.

At the East Boston station 385,000 gallons per day have been pumped for the supply of the high-service district, and 30,800 gallons per day for the Breed's Island high-service.

## MYSTIC LAKE.

*Grades, H. W., 7.00; Invert of aqueduct, -4.17; Contents between 7.00 and 1.50, 442,000,000 gallons.*

On January 1, 1894, the lake surface was 3.15 feet below high water. On January 19 it had risen to grade 5.70 above tide-marsh level, and the stop-planks were removed from the dam. Waste continued from January 19 to 22, and from January 26 to May 3.

Additional stop-planks were then placed on the dam, and during the month of May the lake remained near high-water mark.

Waste occurred over the dam from May 21 to June 8, after which date no waste was permitted except at the conduit wasteway and at the fishway, which was finally closed on June 20. During July the lake surface fell from 5.46 to 2.35, and on August 31 the water was 8.42 feet below high-water and but 2.75 feet above the conduit invert.

The temporary pumps used to raise the water into the conduit were then started, and the surface of the lake continued to fall until, on October 10, it was 12.08 feet below high-water and 1.90 feet lower than any previous record.

On November 1 the water surface had risen to grade —3.72, and on November 15 the use of the temporary pumps at the lake was discontinued. On December 1 the lake surface was at grade 0.67, and on January 1, 1895, at grade 3.35. As the old engines and pumps which were in use at the lake were of insufficient capacity and badly worn, two new 60 H.P. engines and boilers and an 18-inch centrifugal pump have been purchased. A pile foundation and wooden frame engine-house, 65 ft.  $\times$  19½ ft., has been built, and the new pump and one of the engines placed in position and connected with the conduit.

The dam at the outlet of the lake is in good condition.

## MYSTIC-VALLEY SEWER.

During the year 1894, 116,908,000 gallons of sewage was pumped and chemically treated with sulphate of aluminum.

Table XI., on page 194, gives the monthly quantities of sewage pumped, coal and aluminum used, etc. With the completion of the North Metropolitan Sewer, which will occur during the present year, the operation of the plant will be discontinued.

## MYSTIC CONDUIT AND RESERVOIR.

The conduit has been twice cleaned during the year.

In the annual reports for the past three years necessary re-

pairs have been recommended at the conduit screen chamber, and as they have not yet been carried out the recommendations are renewed.

## MYSTIC PUMPING-STATION.

Engine No. 1 was used 3,337 $\frac{1}{2}$ hours, pumping . . . . .	731,942,300 gals.
Engine No. 2 was used 2,585 hours, pumping . . . . .	531,822,000 "
Engine No. 3 was used 7,518 $\frac{1}{4}$ hours, pumping . . . . .	2,487,654,400 "
Total quantity pumped . . . . .	3,751,418,700 "
Daily average quantity pumped . . . . .	10,277,900 "
Total quantity of coal burned . . . . .	8,763,800 lbs.
Percentage ashes and clinkers . . . . .	11.2
Average lift in feet . . . . .	148.62
Quantity pumped per lb. of coal . . . . .	428.1 gals.
Average duty of engines per 100 lbs. coal, no deductions . . . . .	53,057,500 ft.-lbs.

## COST OF PUMPING.

Salaries . . . . .	\$11,242 27
Fuel . . . . .	19,175 62
Repairs . . . . .	1,576 30
Oil, waste, and packing . . . . .	784 36
Small supplies . . . . .	146 10
Total . . . . .	<hr/> \$32,924 65
Cost per million gallons raised one foot high,	\$0.059
“ “ “ “ pumped to reservoir,	8.777

Table VIII., on page 191, shows in detail the work done by the engines during the year. Work upon the new engine for this station has been in progress at the works of the G. F. Blake Manufacturing Company during the year, and the engine is now nearly ready for erection. On October 30, a contract was made with Mack & Moore for building an addition to the engine-house and for the necessary foundations for the engine.

Work under the contract was begun about November 1. The engine foundation is now nearly completed, and it is expected that the erection of the engine will be commenced by April 15 and completed during the year.

## CONSUMPTION.

The daily average consumption for the year was as follows:

Sudbury and Cochituate Works	.	.	46,560,000	gals.
Mystic Works	.	.	10,282,100	“

Total for combined supplies . . . 56,842,100 “

a decrease of 1,353,600 gallons, or 2.3 per cent. from that of the previous year. One cause of the decreased consumption was the warmer winter of 1893-94. The mean temperature for the month of January, 1893, was 10 degrees lower than for January, 1894. The consumption of the months of January, February, and March, 1894, was 473,372,500 gallons less than for the corresponding months of the previous year, equivalent to 1,296,900 gallons per day for the entire year. The decrease is also due in a considerable measure to the depression in business, as the quantity of water sold by meter measurement averaged 400,000 gallons per day less than in 1893.

On account of the insufficiency of the Mystic supply, all of the Charlestown District lying east of Cambridge street was supplied from the Cochituate works from 3.30 P.M., of September 12, until the end of the year. The following table shows the consumption per inhabitant for the past two years :

**Consumption.**

MONTH.	Cochituate.		Mystic.		Combined Supplies.	
	Consumption in Gallons per Capita.		Consumption in Gallons per Capita.		Consumption in Gallons per Capita.	
	1893.	1894.	1893.	1894.	1893.	1894.
January . . . . .	123.7	108.1	111.5	91.9	120.9	104.5
February . . . . .	117.6	109.6	103.7	95.4	114.5	106.5
March . . . . .	111.4	99.7	91.9	83.0	107.0	96.0
April . . . . .	104.1	88.9	76.9	79.0	98.1	86.7
May . . . . .	99.0	92.6	76.7	82.1	94.0	90.2
June . . . . .	100.4	101.4	81.5	96.4	96.1	100.3
July . . . . .	110.6	110.3	80.6	93.3	104.0	106.5
August . . . . .	108.3	104.0	77.6	81.8	101.5	99.0
September . . . . .	105.5	98.2	71.8	94.3	98.0	97.6
October . . . . .	104.2	95.0	75.7	80.1	97.8	92.6
November . . . . .	99.3	94.8	75.0	81.3	93.9	92.7
December . . . . .	106.9	97.5	90.9	92.8	103.3	96.7
Average . . . . .	107.5	99.8	84.4	87.6	102.4	97.4

## DISTRIBUTION.

On the Cochituate works, 17.88 miles of pipe were laid and 5.13 miles abandoned, making a net increase of 12.75 miles, and a total of 572.8 miles now connected with the system.

About three miles of the pipe which was abandoned was formerly connected with the Jamaica pond supply, and was located in streets where there were mains connected with the Cochituate system. The work of laying a new 36-inch force main from the Chestnut Hill pumping-station to Fisher Hill reservoir has been completed during the year.

The portion of the new 20-inch main for the supply of Brighton, which is in the town of Brookline, 3,446 feet in length, was laid by the superintendent of the Brookline works.

The relaying of the 20-inch low service and the 12-inch high service mains on Dover street, between Albany street and Dorchester avenue, caused by the change of grade and rebuilding of Dover-street bridge, has been practically completed.

The raising of the grade and abolition of grade crossings on Chelsea street, between Medford street and the city of Chelsea, made necessary a relocation of the mains supplying Chelsea and East Boston. For a length of about 1,400 feet a 30-inch main has been substituted for the 24-inch and 20-inch mains supplying East Boston, and a 24-inch main substituted for the 16-inch main supplying Chelsea. These new mains have been laid outside the street location, on the property of the Boston & Maine Railroad Company.

The distributing mains connected with the Mystic works have been extended 6.89 miles, and 10.33 miles have been relaid, in most cases with pipes of larger diameter. The total length now in service is 173.7 miles.

There has been an increase of 175 in the number of hydrants connected with the Cochituate works, making a total now in use 6,217.

On the Mystic works 148 hydrants have been added, and the total now connected with the works is 1,435.

Two hundred and fifty-five petitions for main pipe have been reported upon, and 30 contracts for rock excavation have been made. Various profiles have been made, levels taken, and grades and lines furnished for the main pipe laying. All pipe laid has been located and plotted on the plans.

## CORROSION OF PIPES BY ELECTROLYSIS.

The investigations of the effect of electrolysis upon the water-pipes have been continued during the year, under the supervision of Messrs. Stone & Webster, and in brief the results arrived at are as follows:

1. In certain places throughout the city electrolytic action is taking place, and pipes have already been more or less injured and are subject to premature decay.

2. The many excavations which have been made about the city for the purpose of inspecting the pipes have given only negative results, revealing no marked action, and yet not proving that the natural decay had not been accelerated by electrolysis.

3. Action of a serious nature is confined to special localities, where, owing to certain conditions of the railway system, abnormal currents are flowing through the earth, but as a whole, the action has been reduced to so small an amount that it is now difficult to detect.

4. In the places where action is found special precautions in provision of return feeders, and connections with the piping system by the Street Railway Company, will ordinarily reduce the difficulty to a small amount.

5. It is impracticable to entirely eliminate electrolytic action, but by a constant inspection of the water system as a whole, with a view of locating points where difficulty is liable to occur, and applying such remedies as are well known, the danger can be reduced to a minimum.

6. The action at any one point is liable to increase or decrease temporarily from various causes, and tests made at any one locality at any specified time give no reasonable assurance that the same condition of affairs will exist for any considerable length of time.

7. A very small difference in potential, as little as one-thousandth of a volt, will cause electrolytic action.

8. Measurements of small difference of potential between water-pipes and the adjacent earth are of value principally in indicating the direction of flow of electric current rather than amount, and are not entirely reliable unless special precautions in measurements are taken.

This is on account of the battery action, thermal effects, and other disturbing influences.

9. The most practical way of reducing the liability of injury to pipes to a minimum is by detecting the places where action is occurring, through a carefully organized system of inspection and tests, and requiring the Railway Company to provide suitable return conductors or make proper connections with pipes or rails where it is found that such action exists.

10. Special provision can be made for measuring the flow of current from certain pipes to the ground, and, by devices of this sort installed at various places throughout the city, the most reliable information can be obtained in regard



to the quantity of current flowing away from the pipes in any particular section, and a determination made of their actual rate of deterioration.

The following is Messrs. Stone & Webster's report in detail :

WILLIAM JACKSON, *City Engineer, Boston, Mass. :*

SIR: In accordance with your request, we have, during the past year continued the investigation which was commenced some two years ago to determine the extent of the corrosive action of electric currents upon the pipes of the water system in the city of Boston, and beg to submit the following :

It has been our purpose during the past year to conduct such tests and experiments as would enable us to determine as definitely as possible the extent of the injury which has been done up to the present time, and also to predict, if possible, how long a time would probably elapse before damage of a serious nature would result to the piping system as a whole from electrolytic corrosion, if allowed to continue at its present rate.

It was clearly set forth in our report of a year ago that currents of a considerable magnitude were found to be flowing from place to place, through the earth and along the water pipes, but no definite conclusions had at that time been reached as to the extent of damage already done and the rate at which it was progressing.

The results which have been obtained during the past year enable us to state quite positively that up to the present time the effect upon the piping system as a whole has not been serious in the city of Boston, although in other places where we have conducted tests during the past year, we have found that rapid decay was occurring, clearly due to electrolytic action. The reason of the slight action which has been found here is, primarily, that the street railway system is comparatively well equipped with return wires which conduct the greater part of the current back to the power-station without serious damage to the piping system.

#### *Measurements of Potential of Piping System.*

During the last year a large number of readings have been taken of the difference of potential between the hydrants and the adjacent ground, and it has been found that this difference, which was formerly in many cases quite large, has been reduced to a comparatively small amount in nearly all parts of the city.

The marked change in this respect over the tests made during the previous year shows that the flow of current from the pipes must have been materially reduced, and that the Railway Company are continually improving their system by bonding the rails and providing new return wires to the power station.

Some difficulty has been experienced in the investigation of this subject on account of the fact that changes in the return system of the Street Railway Company are made so frequently that difference of potential between pipes and surrounding earth in any particular locality frequently varies widely from time to time, and thus prevents any systematic study of the action which is taking place at a point where a considerable difference of potential is once discovered.

During the tests of a year ago, the greater part of our measurements, which were made for the purpose of determining the potential differences, were taken between the pipes, or the hydrants connected with the pipes, and the rails; but a careful study of the conditions convinced us that tests of this sort are unreliable, and consequently all measurements made during the past year have been taken between the pipes and the earth in their immediate vicinity.

The practical way in which the measurements have been made is illustrated in Plate I., where it will be seen that a rod is inserted in the hydrant box, and a metallic connection upon the bottom of this rod touches the ground in the vicinity of the pipe, while the other pole of the measuring instrument is placed in contact with the metal of the hydrant, the valve stem usually being used for this purpose.

In course of the investigation some question arose as to whether the true difference of potential between a pipe and the surrounding earth is obtained by a measurement of this sort, and in order to decide this question as definitely as possible, the following readings were taken at several points where excavations had been made throughout the city :

*First.* The actual difference of potential between the pipes and the ground immediately surrounding them, which is, of course, the measurement desired, was observed.

*Second.* The difference of potential between the pipe and the surface of the ground was observed.

*Third.* The difference of potential between the piping system and the earth at the base of the nearest hydrant box was measured in the way described.

In the twelve places where satisfactory observations were made the potential between the pipes and the surface of the ground, and also the potential between the pipes and the earth at the base of the hydrants, was found always to have the same sign as the potential between the pipes and the ground immediately surrounding them.

This would seem to prove conclusively that the method regularly adopted gives the correct polarity of the reading, and approximately the correct value.

The object of the various measurements which were made of the differences of potential was principally to determine the polarity, and the differences so obtained are to be considered of value as indicating the direction rather than the amount of current flowing.

Many measurements were taken in the city proper, and also in South Boston, East Boston, and Charlestown. The work was begun in January, 1894, and over 700 different hydrants have been visited and about 900 observations made. In many places the same hydrants have been frequently visited, to determine whether or not considerable changes in potential difference took place from time to time.

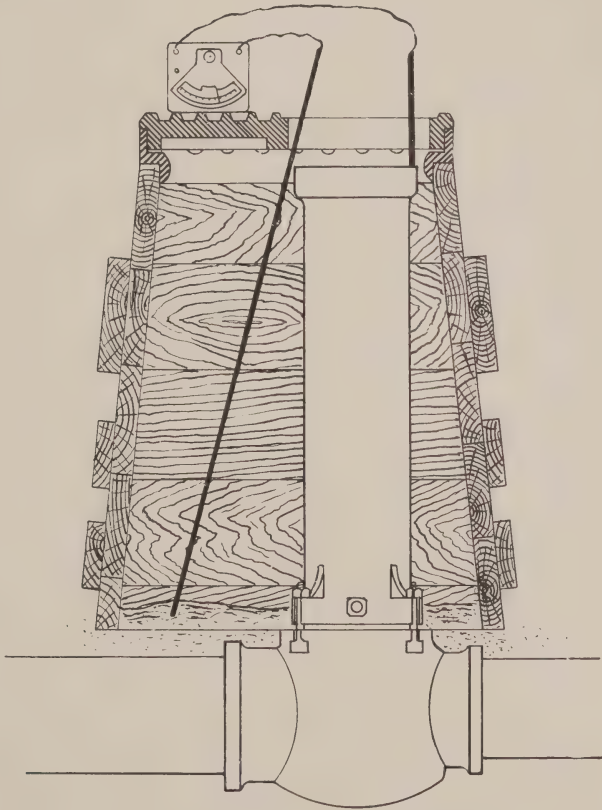
The results of these tests are on file, but we have not thought it necessary to insert them in this report, as the polarity at different points is indicated on the accompanying map, which shows the location of positive and negative hydrants throughout the city. The heavy full line shows a positive polarity, indicating a flow of current from the pipes to the ground, with consequent electrolytic action. The broken line shows a negative polarity at some observations and positive at others, and, being thus subject to change, it may be safely concluded that serious action is not going on in the district where such a state of affairs exist.

The results of these tests show that the theoretical assumption in regard to the existence of a clearly defined danger district is not borne out in practice, and that in a city where reasonable provision for the return of current to the power-station has been made, the effect of electrolytic action, though slight, is widely distributed.

In the immediate proximity of the power station most of the pipes were found very decidedly negative to the surrounding earth.

Pipes at points far remote from the power-station in a few places were found very decidedly positive, due in some cases to the fact that the railway return circuit is not sufficiently large, or is otherwise defective ; and in others, to the fact that the piping system is not uniformly continuous in the direction of the power-station, and the return current has a tendency to follow it as far as possible, and then leave it for the earth.

PLATE I.



Stone & Webster.



CITY OF BOSTON.  
MAP  
SHOWING  
POLARITY OF HYDRANTS.  
MAR. 1. 1895.

Stone & Webster.

— Positive.  
- - - Variable.





H. H. H.

C. R. H. H. H.

From the observations made it has been shown that the potential and the polarity of the piping system in many places is continually changing, even when the quantity of current returned remains substantially the same.

This is due :

*First.* To the degree of moisture in the soil from time to time, which affects the electrical resistance of the earth as a whole.

*Second.* To the influences of electrically poor joints in the piping-system.

*Third.* To the fact that lines of piping are not continuous from all parts of the city in a direct line to the power-station, on which account there is a tendency for the current to go across from one pipe to another, and the amount of current which so flows depends to a considerable extent upon the condition of the soil, which is subject to change.

*Fourth.* To the fact that the copper wires which bond the rails sometimes become corroded at the joints and affect the resistance of the return circuit, particularly where no supplementary wire is used.

*Fifth.* To the changes in the return system made by the Street Railway, from time to time, which, even if at points remote from the location of hydrants tested, make considerable differences in the potential observed.

#### *Difference of Potential required to Produce Electrolysis.*

The difference of potential obtained in the observations just described varies from 0.5 to .0005 volts, the average being perhaps about .02 volts.

It was formerly supposed that a difference of from 1 to 2 volts was required to produce electrolytic decomposition, but recent scientific investigations have been made which prove conclusively that a very small difference of potential is sufficient to cause electrolytic action.

As this question of amount of difference required for the production of electrolytic effects was an important one, we thought it desirable to conduct a series of tests with a view of determining, as definitely as possible, the minimum potential requisite.

For this purpose three cells were made up with electrodes of bright sheet iron immersed in a dilute solution of common salt.

The plates of the first cell (A) were subjected to an electromotive force of .01 volts; of the second cell (B) to an electromotive force of .002 volts, while the third cell (C) was not connected at all to the source of electrical supply, and was only used to observe the rate at which the natural rusting of the iron would take place.

The method of procedure was to immerse all the electrodes at one time, and after ten minutes to test for iron in the solution by means of ferricyanide of potassium. Then to test again, from time to time, and to note which cells showed the strongest reaction.

Three independent tests were made, all giving the same results, which were as follows :

*Table Showing Reaction in Test for Iron in the Electrolyte.*

Time after immersion.	Cell (A) .01 volt.	Cell (B) .002 volts.	Cell (C) 0 volts.
10 minutes.	Trace.	Trace.	None.
20 "	Distinct.	Slight.	Trace.
30 "	Strong.	Distinct.	Just visible.
60 "	Strong.	Strong.	Slight.

From the above investigation it is obvious that an electromotive force, even so low as .002 volts, is sufficient to cause injurious action from electrolysis.

*Flow of Electric Currents through Piping System.*

During the first year of our investigation into the matter of electrolytic action we secured abundant evidence that large currents were almost continually flowing through various parts of the piping system, and the question arose immediately as to the amount of damage that such currents were doing.

The tests made during the past year have confirmed the results obtained at first, and we have therefore thought this matter of sufficient importance to make it an object to conduct special laboratory tests to determine the probable extent and nature of injury resulting from this cause.

In this city no well defined case of serious trouble from the passage of currents through the pipes themselves has been discovered, although some difficulty from electrical disturbances has been reported when making connections to the main water-pipe upon Dover street, near the South Boston bridge. But tests have so far revealed nothing of note. In other cities we have found serious action resulting from this cause at points where anything in the nature of an electrically insulated joint occurs.

Plate III. shows a section of pipe which was examined under our direction in a city where considerable trouble had been experienced from electrolytic action. This particular piece of pipe was situated at a distance of some two miles from the nearest electric power-station, and it so happened that the tendency of the current was to flow from the adjacent railway system to Section A, and thence to B, in the direction of the power-house. At X there was a rubber gasket, and under the bolt heads were cotton washers, so that Section A was electrically insulated from Section B. This made it necessary for the current to pass from the inner surface of A to the water, and then back again to the surface of B, in order to get around the joint.

When we first noticed the rubber gasket, this condition of affairs was expected; and, upon inspecting the inside of the pipe, it was found that the inner surface of A was covered with scales, and pitted in many places to a depth of 1-16 of an inch, while the inner surface of B was as clean and smooth as upon the day it was first laid.

As the current flowing through this pipe was not large—probably not amounting, on an average, to more than a fraction of an ampere—it seemed probable that in many places trouble might occur even in a leaded bell and spigot joint, where, through corrosion or other cause, the electrical connection was poor; and even to a greater extent in pipes where cement joints were used.

We have shown by experiment that the action of a current flowing through piping with cement joints, as shown by Plate IV., is exactly similar to the action on the joint with the rubber gaskets described above, except that a portion of the current leaves the outside of the pipe and passes through the earth around the joint. This was impossible where the joint came within a manhole, as in the case just mentioned.

It may be well to state, however, in this connection, that where cement joints are used throughout a piping system, the breaks in the electrical continuity are so frequent that the pipes do not act to any great extent as conductors, so that very little current flows.

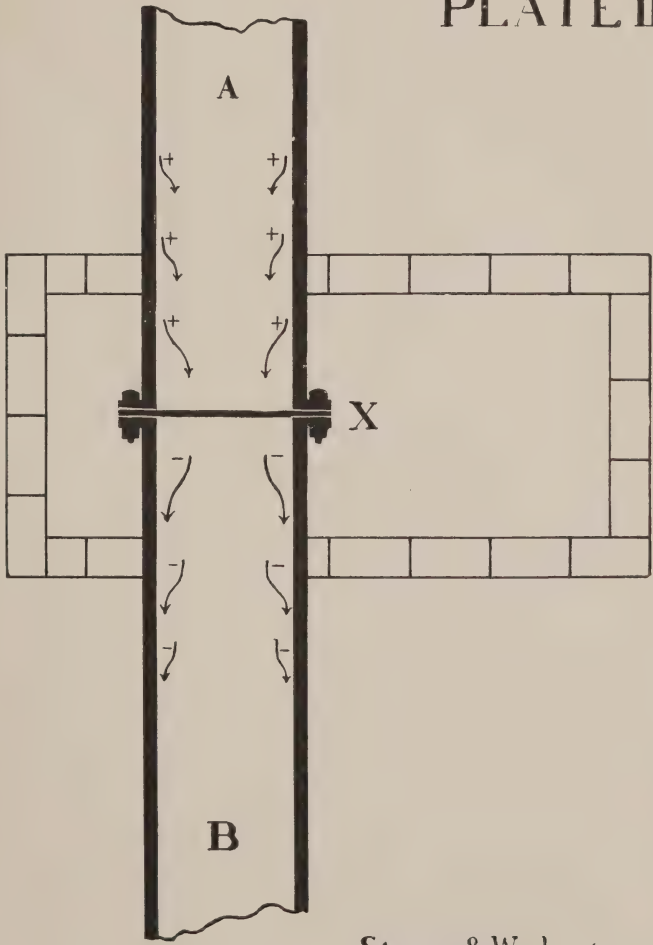
With regard to lead joints, we have conducted several experiments to determine whether or not an injurious action would be caused if the current flowing through the pipe should be comparatively large.

The first test was conducted on a section of cast-iron pipe, made up with lead joints, as shown in Plate V. This was placed in a box of sand, with the two ends projecting, and filled with water.

A current of 200 amperes entered at the point marked +, and left at point marked -. The current was allowed to pass for about nine



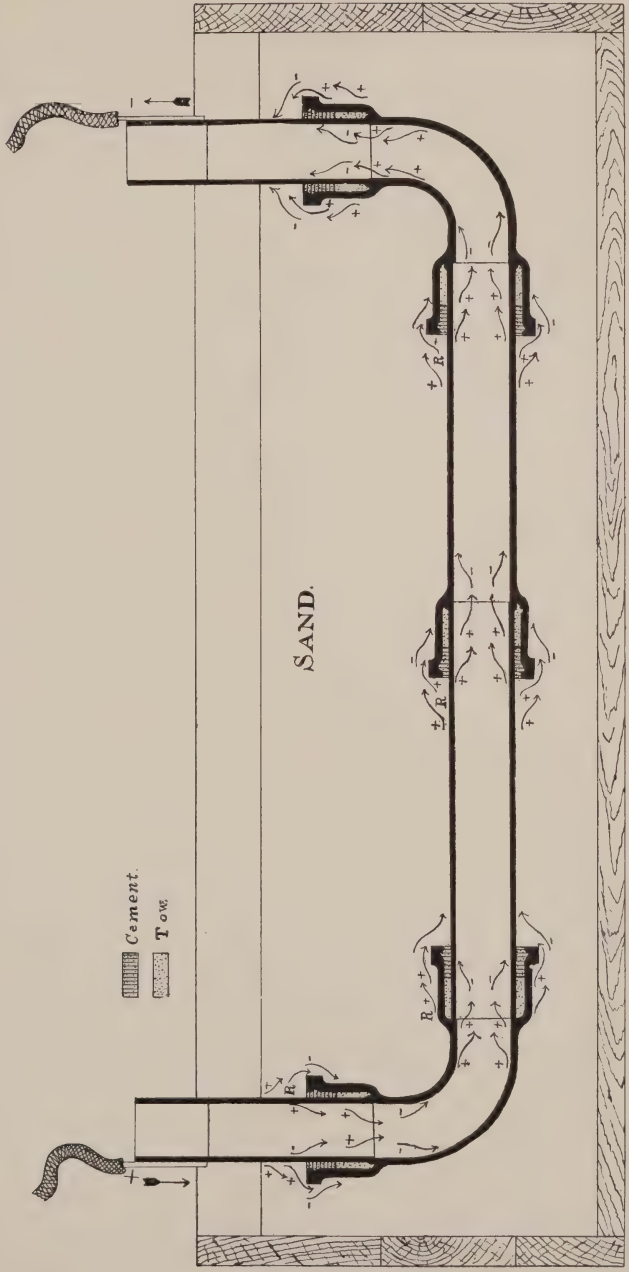
PLATE III.



Stone & Webster.

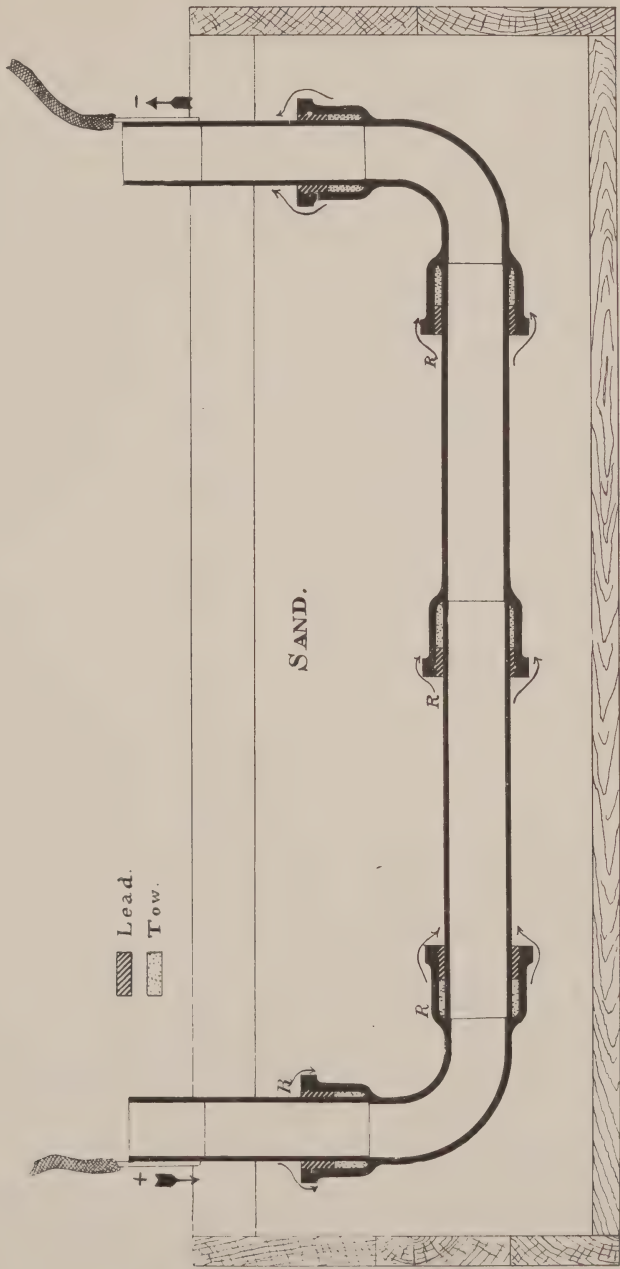


# PLATE IV.





# PLATE V



Stone & Webster.



hours; then it was shut off for about thirty-six hours; then allowed to flow again for nine hours; and so on. Two hundred amperes was a large current for the size of the pipe, and it was sufficient to heat it perceptibly, especially at the joints.

After this current had flowed for 70 hours, making a total amount of 14,000 ampere hours, the pipe was removed and examined. The inside of the pipe showed no marked corrosion, but the water had become very turbid, indicating electrical action. On the outside the rust was marked at the points R; also, slight rust was present on some other parts.

The rust at the points R is accounted for from the fact that a portion of the current left the pipe at those points and passed around the joint through the moist sand.

This shows that if a large current is flowing longitudinally in an iron pipe, even with good joints, an injurious action is likely to occur at the joints.

Another and quicker method used for showing the same thing was adopted in the following test:

The apparatus for this test consisted of two systems of iron piping, made as in Plate V. Both of these were filled with water and supported by a wooden frame.

A current of about 200 amperes was passed at intervals through one of the systems of piping. No current was passed through the other; and from time to time samples of water were taken simultaneously from both pipes. In this way we are able to compare the rate at which the water in each pipe became turbid.

The experiment was stopped after 4,700 ampere hours of current had passed. The difference in the samples, while not being striking, was so well marked that there was no mistaking that the pipe with the current passing through was rusting the more rapidly.

From this test it is evident that the flow of an electric current along an iron pipe will increase the rate of decay of the pipe to some extent.

#### *Signs of Electrolytic Action.*

In carrying on such investigation as this it was at once recognized that it would be of great advantage to be able to note definitely whether the pipes which are submitted to us for inspection have been acted upon electrically, or are simply corroded from natural causes. With this in view, a study of the characteristic appearance, of both lead and iron pipes, when subjected to electrolysis, was undertaken in order to discover, if possible, signs by which the polarity of the pipes could be known in cases where the action had not been sufficiently energetic to produce the well-known pitting marks.

Samples of both lead and iron pipes were obtained for these tests from the Water Department. These pipes had been removed from the streets and were somewhat corroded. Several pairs of each of these were placed in damp sand, and a current of about one ampere was passed from one to another, thus making one pole of each pair positive to the sand and the other negative. This current was maintained for about three weeks during nine hours of each day, and occasional inspections were made, with the following results:

#### *Lead Pipes.*

Both pipes of each pair were originally somewhat corroded, and a small amount of scale adhered to the surface. When the positive pipe was taken out and examined after a few days' run; a mass of sand, about a quarter of an inch in thickness, adhered to it; and the particles of this sand were apparently cemented together with black and with salts of lead. Upon scraping off this outside coating of sand, purplish brown salts of lead could be seen adhering to the surface of the pipe, and after

current had been passed through the pipe for a sufficient length of time the well-known pit-marks were observed. The negative electrode, when removed from the sand, was clean, of a grayish color, and with little or no sand adhering to it, and of practically the same appearance as a similar pipe buried in sand and entirely free from electrolytic action of any sort.

The above distinctions between the positive and negative electrodes, while not clearly defined in all cases, were sufficiently marked to enable us to determine pretty definitely whether or not a pipe was subjected to electrolytic action, if inspection were made immediately after the pipe was removed from the ground.

#### *Iron Pipes.*

In the case of the iron pipes, the indications were less marked. The pipes were originally covered with a fine incrustation of sand, the particles of which were very firmly cemented together. When the pipes were inspected after a few days' run, the only thing observed was that the scale cracked off more easily where electrolytic action had taken place than where no action whatever was present; but there was no clearly defined difference between the negative and positive pipes, and as a whole the results obtained were not sufficiently definite to warrant a determination as to whether or not iron pipes which are slightly corroded have been subjected to electrolytic influences.

#### *Rate of Deterioration due to Electrolysis.*

In places where electrolytic action is slowly taken place on account of the effect of the return currents from the Street Railway system, it is important to determine as accurately as possible the actual rate of decay due to this cause.

Where the action is marked, occasional inspections will, of course, give a rough idea of this; but in the majority of places throughout the city of Boston deterioration is not taking place rapidly enough to make this practicable, so that it seemed desirable to devise some means of actually determining the rate at which the metal is being taken away from any particular length of pipe. With this in view, the apparatus shown in Plate VI. was devised.

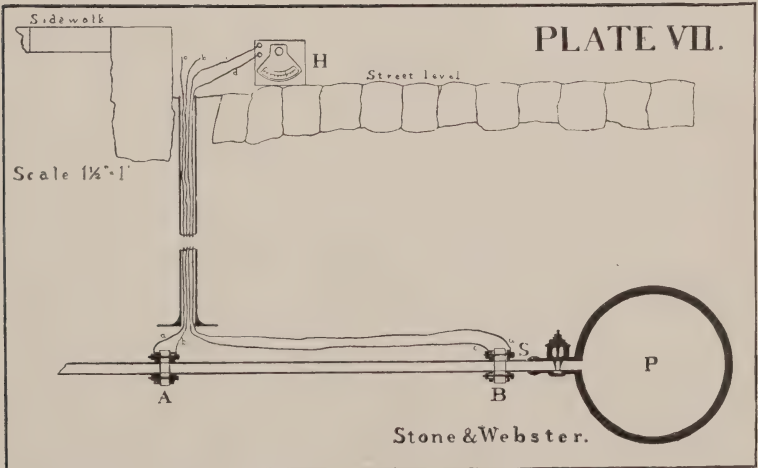
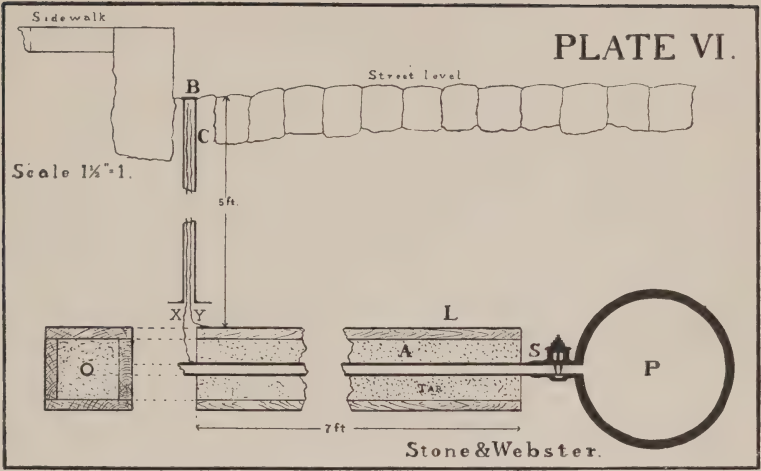
This consists of a wooden box (A) of about 7 feet in length, filled with tar, and placed around the service-pipe (S) beneath the surface of the street. Upon the outside of this box is fastened a sheath of lead (L) whose entire surface is of known relation to the surface of the pipe (S). From the lead sheath, and also from the pipe, wires are led through the tube (C) to a point (B) at the surface of the street, where they are available for connection with an ammeter or voltmeter, as desired.

All flow of current away from the pipe (S) throughout the distance where, it is insulated by the box (A), is of course prevented; but if the terminals of the wires at (B) are connected together through an ammeter, the tendency, of course, will be for the current which would naturally leave the pipe (S) to flow up the wire (X) and back by way of the wire (Y) to the lead sheath, and thence from the sheath to the ground.

Several devices of this sort were installed at various places throughout the city and measurements of current taken, but as the apparatus was not put in use until late in the fall, the heavy snows during the winter have prevented satisfactory results.

In other places where we have installed apparatus of this sort, and especially in cities where electrolytic action is taking place at a rapid rate, it has been found that quite reliable measurements as to the quantity of current flowing away from a pipe could be obtained, and as a given quantity of current deposits a certain amount of metal in a







given space of time, it has been possible to determine quite accurately the rate at which the pipe submitted to test is undergoing deterioration.

We have recently devised a piece of apparatus, which is illustrated in Plate VII., for obtaining even more satisfactory results than could be obtained from the apparatus illustrated in Plate VI., and if the tests in this city are to be continued, we should advise that devices of this sort be installed at various places through the city, and that frequent measurements of the flow of current be made.

The apparatus consists simply of two insulating joints (A) and (B), with a length of service-pipe, say, ten feet, between them. Wires from each side of each of these insulating joints are carried to the surface of the street. By the insertion of a delicate ammeter between the wires (c) and (d), a measurement of the quantity of current flowing from the main to the service-pipe can be obtained, and if the wires (a) and (b) are left disconnected, this measurement gives approximately the quantity current flowing away from the section (A-B) to the earth, and enables one to determine roughly the rate of deterioration.

By connecting the wires (a and b) together, and leaving the ammeter as shown, connected with wires (c and d) a measurement can be obtained of the quantity of current flowing away from the entire length of service-pipe.

The question will probably be asked whether or not the current flowing through the water in the pipe is not sufficient to vitiate the results, even although an insulated joint in the metal itself is inserted.

In reply to this we would say, that the resistance of the ammeter and leads is so small in comparison with the resistance of the water that for practical purposes it may be said that all the current flowing from the main into the service-pipe will pass through the ammeter (H) and be there recorded.

(Signed)

STONE & WEBSTER.

#### GENERAL CONDITION OF THE WORKS.

The completion of Reservoir No. 6 has increased the daily capacity of the Sudbury and Cochetuate supply about 4,000,000 gallons, and the safe capacity of the works in a year of extreme drought is now about 41,500,000 gallons.

As the daily average consumption during the past year was 46,560,000 gallons, it is evident that there is a liability that the supply may be insufficient before Reservoir No. 5 can be completed. The consumption from the Mystic works is now about 11,500,000 gallons per day, an amount far in excess of their capacity. Even during the past year, which was not exceptionally dry, 40,000 people in the Charlestown district were supplied from the Cochetuate works for nearly four months, and Mystic lake was drawn to such a low point by the temporary pumps that the quality of the water was affected by the infiltration of salt water from the Lower Mystic lake.

Although the completion of Reservoir No. 5 will raise the safe total capacity of all the sources of supply to 61,500,000 gallons per day, it is evident that the daily consumption,

which is now about 57,000,000 gallons, will soon be in excess of the yield of our sources of supply.

Another consideration is the question of the necessity of abandoning the Mystic supply on account of the difficulty in preserving the purity of the water. The annual reports for the past fifteen years have reiterated the statement that the quality of the water from this source is constantly deteriorating, and that it is not practicable, on account of the large population residing on the water-shed, to make any permanent improvement in the quality. As the Mystic supply cannot be abandoned until an additional supply is obtained, and as the construction of Reservoir No. 5 will complete the development of the Sudbury river supply, it is evident that immediate steps should be taken to procure an additional supply sufficient to meet the requirements of the city for future years.

In consequence of the great increase in the high-service consumption the supply mains from Fisher Hill Reservoir and in the Roxbury District are inadequate to furnish a supply without an excessive loss of head. At times the Parker Hill Reservoir has been nearly emptied, and residents on the higher land have been entirely deprived of their supply.

To remedy this difficulty the laying of a 48-inch main has been recommended from the junction of Fisher Hill avenue and Boylston street to the corner of Huntington avenue and Heath street. At this point the main will be divided, a 42-inch main continuing through Huntington avenue and Boylston street for the supply of the city proper, with a connection at Wait street for the supply of Parker Hill Reservoir; the other branch, 36 inches in diameter, to be carried through Heath street and across the Roxbury district.

The new pumping-engines at the Chestnut Hill and Mystic stations will furnish sufficient pumping capacity to meet the requirements at those stations for the next five years.

At the East Boston station all of the pumps are in need of repairs, and a new pump should be purchased for the use of the Breed's Island service.

The relaying of the old tuberculated mains with pipes of larger size and the laying of new supply mains has not kept pace with the growth of the city for the past few years. About 10 miles of the new and enlarged mains which have been recommended to your Board since 1891 still remain to be laid, and I recommend that the work be pushed as fast as possible. From three to four miles of the old 4-inch and 6-inch pipe and from 100 to 200 of the old pattern Boston hydrants should be replaced each year, to meet the demands for better fire protection.

Appended to this report will be found the usual tables of rainfall, consumption, etc., for the past year, and in addition, tables are given of the rainfall, rainfall collected, and percentage collected on the Cochituate water-shed since 1863, on the Sudbury-river water-shed since 1875, and on the Mystic water-shed since 1878. These will be found valuable for future reference.

Yours respectfully,

WILLIAM JACKSON,  
*City Engineer.*

**TABLE I.**  
*Daily Average Consumption of Water, in Gallons, from the Cochituate and Mystic Works.*

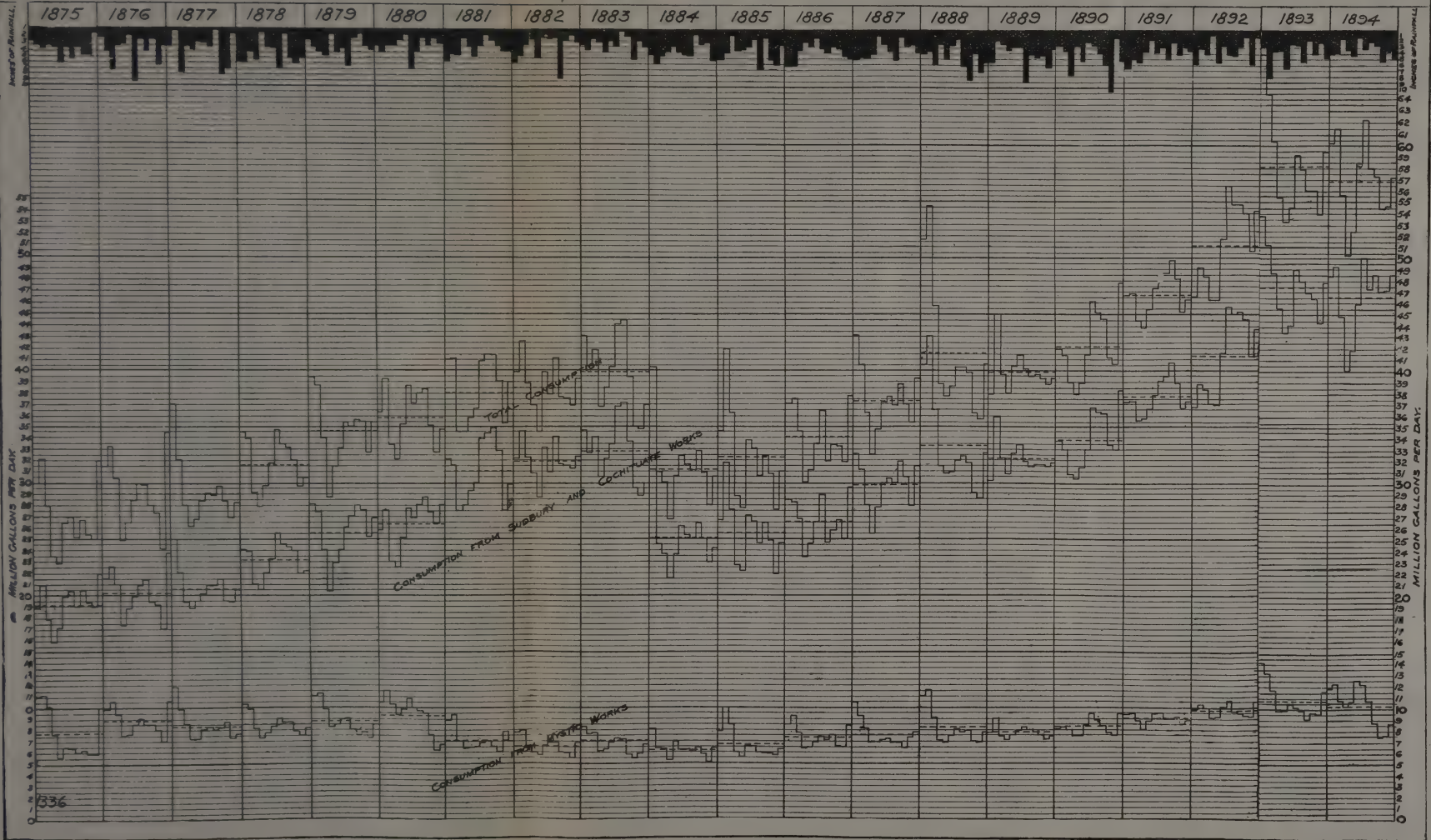
MONTH.	COCHITUATE WORKS.										MYSTIC WORKS.									
	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1888.	1889.	1890.	1891.	1892.	1893.	1894.						
January . . . . .	40,485,700	30,172,000	33,680,000	37,230,100	36,756,400	53,847,100	45,393,000	11,107,100	7,769,500	8,187,900	9,389,300	9,878,200	14,129,700	11,823,500						
February . . . . .	43,105,000	35,855,200	33,030,700	37,280,700	38,881,500	51,299,400	49,207,500	11,620,900	9,073,600	8,299,700	9,466,900	10,332,200	13,174,700	12,295,000						
March . . . . .	36,463,400	32,180,000	30,844,400	35,533,400	38,395,100	48,700,200	44,844,300	9,242,000	7,537,600	8,055,800	8,811,000	9,070,500	11,692,700	10,720,800						
April . . . . .	31,473,800	30,814,500	30,446,600	35,751,600	37,171,000	45,373,100	40,070,200	7,276,700	7,185,700	7,481,600	8,045,800	9,145,000	9,812,500	10,236,200						
May . . . . .	30,802,000	32,719,500	31,331,200	36,580,700	37,055,900	43,451,500	41,827,700	6,932,300	7,663,700	7,488,400	8,841,300	9,204,900	9,817,400	10,661,000						
June . . . . .	31,026,100	33,377,900	33,022,700	37,801,900	41,564,000	44,125,100	45,906,400	7,615,200	8,017,700	8,396,000	9,478,400	10,146,300	10,460,000	12,552,300						
July . . . . .	32,014,400	31,870,300	36,701,100	39,062,600	45,738,100	48,986,900	50,044,000	8,257,500	8,315,600	9,463,300	9,581,700	10,702,900	11,167,000	12,172,000						
August . . . . .	32,432,700	31,403,200	36,316,000	39,460,400	45,031,600	48,062,000	47,288,500	7,859,100	8,113,200	8,932,200	9,123,300	9,751,500	9,826,200	10,696,700						
September . . . . .	31,835,500	31,722,800	36,165,800	40,677,700	45,231,900	46,926,500	44,858,700	7,266,300	7,966,000	8,435,700	9,123,700	9,549,400	9,115,000	28,703,600						
October . . . . .	29,110,800	31,702,200	33,429,800	33,854,600	44,626,700	46,416,600	47,072,500	7,096,400	7,627,500	7,784,100	9,259,100	9,340,500	9,630,400	7,421,200						
November . . . . .	28,590,900	31,532,400	32,955,100	36,640,800	41,347,800	44,323,900	47,101,500	6,990,800	7,316,700	7,601,300	8,585,200	9,230,000	9,569,700	7,563,100						
December . . . . .	32,686,200	31,829,000	38,334,100	37,342,500	43,766,400	47,807,800	48,511,600	7,918,600	7,473,200	9,448,300	8,960,600	10,473,700	11,620,800	8,667,800						
Yearly average . . . . .	33,310,700	32,070,000	33,871,700	37,686,900	41,312,400	47,453,200	46,560,000	8,258,400	7,830,500	8,301,400	9,055,200	9,810,800	10,742,500	10,282,100						

<sup>1</sup> From June 7 to July 29 about 3,000,000 gallons per day were wasted from a blow-off.  
<sup>2</sup> After September 12, Charlestown was supplied with Cochituate water.

# BOSTON WATER WORKS.

Diagram showing the rainfall and daily average Consumption for each month.

Yearly Averages shown thus -----





1872 1873 1874 1875 1876 1877 1878 1879 1880 1881





TABLE III.

Statement showing Amount of Water drawn from Lake Cochituate; Amount wasted; Amount of Rainfall collected in Lake; Amount received into Lake from Sudbury River; Percentage of Rainfall collected, etc., 1852 to 1894; Watershed of Lake, 12,077 Acres.

YEAR.	Amount of Water drawn from Lake.		Amount of Water wasted from Lake.		Amount received into Lake from Sudbury River.		STORAGE.		Total Amount of Rainfall collected in Lake.		Daily average amount of Rainfall collected in Lake.		Rainfall.		Percentage of Rainfall collected.	
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gain.	Loss.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Inches.	Per cent.	
1852 <sup>1</sup>	2,974,042,800	4,020,566,900						261,300,000	6,733,249,700	18,396,900	47.93	20.61	43.			
1853	3,117,939,500	3,166,417,500					239,580,000		6,523,937,000	17,873,800	55.73	19.51	35.			
1854	3,614,230,000	4,187,733,000						217,800,000	7,584,163,000	20,778,500	43.15	22.87	53.			
1855	3,776,399,500	No account kept						326,700,000			34.06					
1856	4,409,787,600	"					598,950,000				40.80					
1857	4,644,990,000	10,625,900,000					82,670,000		15,303,560,000	41,927,600	63.10	46.69	74.			
1858	4,689,155,000	1,934,500,000						141,570,000	6,482,085,000	17,759,000	48.66	19.46	40.			
1859 <sup>2</sup>	4,808,875,000	7,569,000,000					283,140,000		12,661,015,000	34,687,700	49.02	38.24	78.			
1860	6,309,108,000	None.					174,240,000		6,483,348,000	17,714,100	55.44	19.40	35.			
1861	6,639,095,000	3,277,559,000						1,459,200,000	8,557,394,900	23,444,900	45.44	25.45	56.			
1862	6,059,000,000	33,200,000					1,306,800,000		7,399,000,000	20,271,200	49.69	22.36	45.			
1863	5,927,052,500	2,165,666,500					763,300,000		8,855,049,000	24,260,400	69.30	26.88	39.			
1864	6,105,306,700	1,368,746,000						1,848,577,000	5,625,475,700	15,370,200	42.60	18.35	43.			
1865	4,621,630,000	1,688,120,700					743,242,500		7,052,993,200	19,323,300	49.46	20.50	41.			
1866	4,463,585,000	None.					743,242,500		5,206,827,500	14,265,300	62.32	16.01	26.			
1867	4,951,225,000	2,483,041,000						698,811,000	6,794,455,000	18,450,600	56.25	21.80	39.			
1868	5,405,515,000	2,507,684,000					346,371,000		8,259,570,000	22,567,200	49.71	24.98	50.			
1869	5,503,751,000	1,635,570,900					480,882,000		7,620,203,000	20,877,300	64.34	21.99	34.			
1870	5,477,810,000	4,813,971,000						1,736,085,000	8,560,696,000	23,453,900	55.89	26.08	47.			

1871	5,223,500,000	None.	.....	.....	.....	250,933,000	4,972,567,000	13,623,500	45.39	15.16	33.
1872	5,775,151,200	None.	1,076,608,400	1,543,905,500	.....	.....	5,642,480,300	15,416,600	48.47	17.22	35.
1873	6,511,826,300	2,317,977,000	.....	.....	.....	515,132,000	8,914,671,900	24,423,800	45.43	27.13	60.
1874	6,623,972,900	1,145,851,700	.....	.....	.....	1,397,715,000	6,402,109,600	17,540,000	35.93	19.52	54.
1875	7,092,655,500	None.	2,553,800,000	1,222,885,000	.....	.....	5,760,040,500	15,780,900	45.49	17.57	39.
1876	7,277,175,200	1,619,242,800	2,523,300,000	43,438,000	.....	.....	6,411,557,000	17,517,000	48.49	19.54	40.
1877	7,626,889,200	1,484,978,600	1,894,350,000	378,727,000	.....	.....	7,596,244,800	20,811,600	43.80	23.17	53.
1878	7,743,904,700	3,341,875,000	2,668,300,000	219,789,000	.....	.....	8,637,268,700	23,663,700	53.58	26.34	49.
1879	6,051,838,900	1,523,361,400	411,300,900	.....	.....	1,322,697,300	5,841,203,000	16,003,300	38.01	17.81	47.
1880	4,284,147,100	65,577,700	826,700,000	.....	.....	146,265,000	3,376,759,800	9,226,100	35.83	10.30	29.
1881	2,846,459,700	2,231,016,700	187,600,000	468,089,400	.....	.....	5,337,965,800	14,679,400	41.09	16.34	40.
1882	3,955,490,600	1,338,543,700	.....	.....	.....	357,334,700	4,936,699,600	13,523,300	40.29	15.05	37.
1883	4,731,227,700	162,361,800	1,245,100,000	.....	.....	334,400,000	3,314,089,500	9,079,700	31.20	10.11	32.
1884	4,533,156,450	1,842,837,100	1,416,300,000	1,840,486,700	.....	.....	6,300,130,250	17,213,450	45.57	19.21	42.
1885	4,091,674,900	1,006,622,800	.....	8,594,800	.....	.....	5,106,892,500	13,991,500	43.66	15.57	36.
1886	4,432,536,100	3,116,283,200	.....	.....	.....	300,662,000	7,188,157,300	19,693,600	46.97	21.92	47.
1887	4,802,120,700	3,658,652,000	.....	.....	.....	763,205,000	7,697,568,600	21,089,200	41.58	23.47	56.
1888	4,968,503,100	4,229,200,000	.....	959,309,000	.....	.....	10,157,012,100	27,751,400	56.93	30.97	54.
1889	5,570,423,600	3,373,929,000	233,400,000	454,766,800	.....	.....	9,195,719,400	25,111,600	50.23	27.95	56.
1890	5,727,170,800	2,380,441,200	.....	.....	.....	64,166,300	8,038,445,700	22,023,100	51.23	24.51	48.
1891	5,508,178,900	6,064,000,000	.....	.....	.....	1,056,057,800	10,516,121,100	28,811,300	46.42	32.07	69.
1892	5,464,791,300	281,000,000	902,300,000	200,284,300	.....	.....	5,033,775,600	13,753,500	39.04	15.35	39.
1893	5,623,552,500	255,300,000	.....	.....	.....	89,200,000	5,789,632,500	15,862,000	45.28	17.65	39.
1894	5,520,092,100	None.	962,200,000	.....	.....	296,600,000	4,290,992,100	11,674,000	39.08	12.99	33.
Averages	5,243,260,900	2,253,621,000	.....	.....	.....	.....	7,123,442,100	19,504,600	47.51	27.66	45.0

1 Observations of rainfall at Lake Cochituate commenced 1852, and these observations are assumed as correct for the whole district.  
 2 Lake raised two feet.

**TABLE IV.**

*Statement showing Amount of Water Diverted from Sudbury River to Lake Cochituate and Chestnut Hill Reservoir; Amount wasted; Amount of Flow in River; Percentage of Rainfall Collected, etc., 1875 to 1894.*

(Water-shed from 1875 to 1878, inclusive, = 77,764 sq. miles; in 1879 and 1880 = 78,233 sq. miles; and from 1881 to 1893, inclusive, = 75.2 sq. miles.)

YEAR.	Amount of Water diverted to Lake Cochituate and Chestnut Hill Reservoir.	Amount of Water used by Framingham Water Co.	Amount of Water wasted from River.	STORAGE.		Total amount of flow in River.	Daily average amount of flow in River.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
				Gain.	Loss.					
	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Gallons.	Inches.	Inches.	Per cent.
1875 . . . . .	2,555,800,000	. . . . .	24,971,600,000	66,300,000	. . . . .	27,583,700,000	75,599,200	45.490	20.418	44.88
1876 . . . . .	2,628,300,000	. . . . .	29,942,300,000	. . . . .	160,700,000	32,509,900,000	88,278,400	49.563	23.908	48.24
1877 . . . . .	1,894,350,000	. . . . .	32,438,300,000	112,100,000	. . . . .	34,444,750,000	94,369,200	44.018	25.847	57.90
1878 . . . . .	3,422,100,000	. . . . .	37,123,200,000	654,700,000	. . . . .	41,202,000,000	112,882,200	57.931	30.487	52.65
1879 . . . . .	3,749,200,000	. . . . .	20,817,500,000	962,200,000	. . . . .	25,528,900,000	69,942,200	41.419	18.775	45.33
1880 . . . . .	6,230,200,000	. . . . .	11,290,000,000	. . . . .	958,600,000	16,561,600,000	42,250,300	38.177	12.182	31.91
1881 . . . . .	8,845,300,000	. . . . .	17,279,000,000	751,700,000	. . . . .	26,876,000,000	73,633,900	44.169	29.565	46.56
1882 . . . . .	7,735,200,000	. . . . .	16,273,906,000	. . . . .	352,600,000	23,656,600,000	64,812,300	39.394	18.102	45.35
1883 . . . . .	8,455,000,000	. . . . .	7,251,900,000	. . . . .	1,086,400,000	14,620,500,000	40,056,200	32.780	11.188	34.13
1884 . . . . .	6,110,600,000	. . . . .	23,228,900,000	1,744,600,000	. . . . .	31,084,100,000	84,929,200	47.135	23.784	50.46
1885 . . . . .	5,224,700,000	61,800,000	19,873,800,000	. . . . .	446,900,000	24,718,400,000	67,721,600	43.545	18.916	43.44
1886 . . . . .	5,266,600,000	76,600,000	23,023,000,000	1,464,500,000	. . . . .	29,831,700,000	81,730,700	46.065	22.825	49.55
1887 . . . . .	6,124,100,000	87,700,000	25,334,500,000	117,400,000	. . . . .	31,683,500,000	86,749,300	42.705	24.227	56.73
1888 . . . . .	7,224,700,000	61,700,000	39,040,500,000	380,600,000	. . . . .	46,717,300,000	127,642,900	57.465	35.749	62.21

1889 . . . . .	6,363,900,000	59,500,000	31,550,400,000	. . . . .	2,800,000	37,971,000,000	104,030,100	49.95	29.056	58.17
1890 . . . . .	6,596,000,000	74,500,000	28,667,100,000	. . . . .	57,400,000	35,280,200,000	96,658,100	53.00	26.998	50.94
1891 . . . . .	8,306,600,000	80,500,000	28,799,600,000	. . . . .	1,100,800,000	36,085,900,000	98,865,500	49.52	27.612	55.76
1892 . . . . .	10,535,500,000	82,800,000	11,143,000,000	. . . . .	257,700,000	21,503,600,000	58,753,000	41.83	16.456	39.34
1893 . . . . .	11,737,900,000	103,000,000	17,405,500,000	. . . . .	789,800,000	28,456,600,000	77,963,300	48.225	21.774	45.15
1894 . . . . .	12,412,800,000	117,000,000	6,715,900,000	1,901,600,000	. . . . .	21,147,300,000	57,937,800	39.740	16.182	40.72
Averages	6,565,992,500	80,470,000	22,608,705,000	. . . . .	. . . . .	29,362,532,500	80,239,900	45.606	22.234	48.00

TABLE V.

Statement showing Amount of Water drawn from Mystic Lake; Amount wasted; Amount of Rainfall collected in Lake; Percentage of Rainfall collected, etc., 1876 to 1894; Water-shed of Lake, 17,200 Acres.

YEAR.	Amount of Water drawn from Lake.	Amount of Water wasted from Lake.	STORAGE.		Total Amount of Rainfall collected in Lake.	Daily average amount of Rainfall collected in Lake.	Rainfall.	Rainfall collected.	Percentage of Rainfall collected.
			Galh.	Gallons.					
1876 . . . . .	3,220,101,300	6,369,774,700	. . . . .	32,583,000	9,567,293,000	26,140,100	47.00	20.49	43.6
1877 . . . . .	3,069,554,800	7,250,223,500	. . . . .	16,291,400	10,303,486,900	28,228,700	43.095	22.06	51.2
1878 . . . . .	3,267,490,400	8,718,547,600	. . . . .	26,000,000	12,000,038,000	33,041,200	54.065	25.82	47.8
1879 . . . . .	3,490,848,200	4,625,691,800	. . . . .	203,000,000	7,913,540,000	21,680,900	35.30	16.94	48.0
1880 . . . . .	3,692,193,700	2,158,701,200	. . . . .	113,500,000	5,703,756,900	15,684,000	54.42	12.21	35.5
1881 . . . . .	2,815,579,900	5,534,300,000	. . . . .	371,200,000	8,721,079,900	23,893,400	41.91	18.67	44.5
1882 . . . . .	2,570,896,700	4,444,668,000	. . . . .	15,000,000	7,030,564,700	19,261,800	39.165	15.05	38.4
1883 . . . . .	2,664,514,200	2,034,702,600	. . . . .	. . . . .	4,351,637,800	11,922,300	31.22	9.32	29.84
1884 . . . . .	2,469,761,000	6,574,063,800	. . . . .	347,579,000	9,424,364,800	25,749,600	44.39	20.18	45.46
1885 . . . . .	2,659,278,800	5,558,860,500	. . . . .	33,200,000	8,194,939,300	22,451,900	44.50	17.55	39.43
1886 . . . . .	2,862,947,500	7,743,258,900	. . . . .	28,400,000	10,577,806,400	28,080,300	45.56	22.65	49.71
1887 . . . . .	2,954,257,500	7,414,213,000	. . . . .	11,000,000	10,257,470,500	28,376,600	46.42	22.17	47.77
1888 . . . . .	3,205,121,100	11,334,593,100	. . . . .	6,000,000	14,533,714,200	39,709,600	56.745	31.12	54.84
1889 . . . . .	3,007,539,800	8,379,787,500	. . . . .	12,000,000	11,899,327,300	32,690,400	50.395	25.48	50.56
1890 . . . . .	3,212,284,500	8,955,727,900	. . . . .	3,000,000	12,168,012,400	33,323,300	49.37	26.04	52.75
1891 . . . . .	3,500,817,500	10,027,714,400	. . . . .	171,000,000	13,357,531,900	36,600,000	47.40	28.60	60.34
1892 . . . . .	3,311,766,200	3,474,213,200	. . . . .	177,000,000	7,462,979,400	20,390,700	39.115	15.98	40.85
1893 . . . . .	4,331,743,200	4,958,528,500	. . . . .	95,000,000	9,195,271,700	25,192,500	44.20	10.60	44.54
1894 . . . . .	3,996,805,100	2,752,964,200	. . . . .	23,000,000	6,726,769,300	18,429,500	39.24	14.40	36.70
Average . . . . .	3,204,921,200	6,254,659,700	. . . . .	. . . . .	9,449,715,000	25,871,200	43.89	20.23	45.36

TABLE VI.

Average Maximum and Minimum Monthly and Yearly Heights, in Feet, above Tide Marsh Level to which Water would rise at Different Stations on the Boston Water-Works.

Month.	Boston Common.		Engine-house No. 8, Salem street.		Engine-house No. 7, East street.		Engine-house No. 38, Congress street, South Boston.		Engine-house No. 9, Paris street, East Boston.		Engine-house No. 16, River street, Dorchester.		Engine-house No. 32, Bunker Hill street, Charlestown, Mystic Supply.		Albany street, 710.		City Hall, High Service.		Engine-house No. 18, Harvard street, High service.		Engine-house Warren street, No. 24, High Service.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
January.	118.6	103.1	116.2	98.8	116.8	101.3	114.6	96.5	109.1	82.6	116.7	98.9	140.5	125.7	116.8	101.9	217.9	204.4	—	—	—	—
February.	115.9	100.4	113.9	95.9	115.6	99.5	112.9	94.4	103.5	77.4	114.5	96.2	139.4	124.8	115.1	100.2	218.5	205.1	—	—	—	—
March.	117.9	102.1	117.5	99.3	119.2	102.4	117.1	96.9	110.3	82.3	119.2	100.3	144.4	126.5	118.3	102.9	220.6	205.4	—	—	—	—
April.	119.6	103.0	119.6	101.1	120.4	103.8	119.0	98.4	111.9	80.3	120.6	99.9	145.0	127.5	120.0	104.0	220.8	205.6	—	—	—	—
May.	120.0	102.5	119.9	100.5	120.9	103.6	119.1	97.5	113.2	76.3	121.2	99.7	145.7	127.2	119.9	103.7	221.0	205.6	—	—	—	—
June.	119.9	102.6	119.7	100.1	120.8	102.6	118.0	94.7	110.3	72.0	120.3	95.0	143.8	120.6	119.9	102.6	217.5	201.5	—	—	—	—
July.	118.8	99.8	118.5	97.3	119.6	100.7	116.4	92.2	116.0	66.1	118.2	93.6	144.3	123.1	118.4	100.7	216.2	201.6	215.3	181.1	—	—
August.	118.8	101.5	118.4	98.7	119.7	103.0	116.4	94.6	109.9	77.2	117.9	95.7	143.2	124.8	119.3	102.3	220.6	205.7	219.6	191.9	222.1	200.0
September.	118.2	99.4	117.6	96.7	119.6	102.5	117.0	95.3	115.3	76.9	117.1	93.8	140.2	122.4	119.0	101.1	216.5	201.5	215.7	191.0	217.2	198.2
October.	118.4	98.9	117.8	95.3	119.3	100.6	117.6	97.5	110.7	77.9	117.7	96.1	116.2	89.7	119.1	100.6	215.0	198.0	214.9	192.8	216.2	199.3
November.	117.5	96.2	117.1	95.5	118.2	100.2	117.1	92.2	115.3	78.9	117.2	96.7	115.1	89.9	118.6	100.7	217.7	202.1	217.5	198.4	219.1	204.4
December.	115.4	97.6	114.7	93.8	116.1	98.4	114.3	95.1	111.8	75.3	115.1	95.5	111.9	87.8	116.4	100.0	215.7	199.1	214.6	196.4	217.4	203.2
Averages	118.2	100.9	117.6	97.7	118.9	101.5	116.6	95.4	109.5	77.8	118.0	96.8	—	—	118.4	101.7	218.3	202.9	216.3	191.9	218.4	201.0

1 On September 12 Mystic supply was shut off from Charlestown and Cochituate turned on.

**TABLE VII.**  
*Statement of Operations at the Chestnut Hill Pumping-Station for 1894.*

1894.	ENGINE No. 1.		ENGINE No. 2.		Total amount pumped, % allowed for slip.	Daily pumped.	Total amount of coal consumed.	Total ashes and clinkers.	Per cent. ashes and clinkers.	Quantity pumped per lb. of coal. No correction for heating and lighting.	Quantity pumped per lb. of coal. Corrected for heating and lighting.	Average lift in feet.	DIVISION OF COAL.			Duty in ft.-lbs. per 100 lbs. of coal.		Water evaporated in boilers per lb. of coal.	
	Hours.	Min.	Hours.	Min.									Gallons.	Lbs.	Lbs.	Lbs.	Lbs.		Lbs.
January	2		757	05	298,553,275	9,656,300	388,775	28,438	7.3	770.0	847.3	124.91	12,779	22,721	353,275	80,211,700	88,272,000	9.84	11.64
February	655	35				10,075,800	354,025	24,868	7.0	796.9	872.7	124.17	11,576	19,188	323,261	82,525,400	90,379,200	9.69	11.45
March	11	30	739	15	298,065,640	9,767,400	381,988	27,019	7.1	792.7	860.6	125.45	10,371	19,775	351,837	82,934,400	90,040,400	10.34	12.20
April	717	55				9,921,500	354,474	23,927	6.8	839.7	904.0	125.29	8,332	16,871	329,271	87,739,700	94,455,500	10.19	11.97
May	141	05	624	10	255,902,175	10,190,900	365,950	25,286	6.9	863.3	900.4	1125.90		15,983	350,876	90,642,600	94,539,000	10.30	12.02
June	717	30	78	25	28,039,750	11,139,700	379,723	26,697	7.0	880.1	912.8	1126.63		13,617	366,106	92,945,900	96,403,000	10.03	11.64
July	247	05	537		249,645,225	11,220,500	405,447	28,942	7.1	855.6	891.2	1127.94		14,850	390,597	91,613,400	95,086,400	9.94	11.47
August	268	25	474	50	203,696,025	10,227,800	392,980	28,234	7.8	873.5	915.7	126.96		16,733	346,247	92,489,800	96,959,600	10.20	11.76
September	432	20	323	15	136,674,975	10,744,700	374,788	28,354	7.6	860.1	901.8	1127.26		17,333	357,455	91,282,700	95,709,000	10.13	11.73
October	451	10	337	50	150,680,100	11,037,700	407,821	33,791	8.3	839.0	897.3	1127.62	6,851	19,617	381,353	89,300,900	95,498,900	9.79	11.43
November	447	50	273	30	116,483,125	10,328,200	402,095	30,980	7.7	770.6	856.8	1126.61	18,272	22,192	361,631	81,367,900	90,472,400	9.59	11.27
December	301	30	437		189,316,250	10,460,900	3450,590	433,030	47.6	705.6	792.9	1125.39	25,077	25,500	3409,013	76,620,300	86,639,900	8.85	10.47
Totals and averages,	4401	55	4642	20	1,927,061,540	10,399,500	4,637,660	339,566	7.4	818.5	878.5	126.18	93,258	223,480	4,320,922	86,459,300	92,829,900	9.89	11.47

<sup>1</sup> For several days during the month, Engines Nos. 1 and 2 were run simultaneously for a few hours.  
<sup>2</sup> Including 3,856,050 gallons pumped by Engine No. 3.  
<sup>3</sup> From old boilers only (Nos. 1, 2, and 3).



**TABLE VIII.**  
*Statement of Operations at the Mystic Pumping-Station for 1894.*

1894.	Month.	ENGINE NO. 1.				ENGINE NO. 2.				ENGINE NO. 3.				Daily average amount of coal consumed.	Daily average amount of coal pumped.	Gallons.	Lbs.	Per cent. ashes and clinkers.	Quantity pumped per pound of coal.	Average lift in feet.	Duty in foot-pounds per 100 foot-coal.
		Total pumping-time.		Amount pumped.		Total pumping-time.		Amount pumped.		Total pumping-time.		Amount pumped.									
		Mrs.	Min.	Gallons.		Mrs.	Min.	Gallons.		Mrs.	Min.	Gallons.									
January																					
February																					
March																					
April																					
May																					
June																					
July																					
August																					
September																					
October																					
November																					
December																					
Totals and averages.																					

† Steam used in pumping water from excavation for foundation of new engine.

TABLE IX.

Statement of Operations at the East Boston Pumping-Station for the Year 1894.

1894.	ENGINE NO. 2.				ENGINE NO. 3.				Total amount of coal consumed.	Per cent. of ashes and clinkers.
	Total pumping-time.		Total amount pumped to reservoir.	Daily average.	Total pumping-time.		Total amount pumped to tank.	Daily average.		
Month.	Hrs.	M.	Gallons.	Gallons	Hrs.	M.	Gallons.	Gallons	Pounds.	Per ct.
Jan. .	276	50	11,362,540	366,500	56	50	787,020	25,400	30,800	19.1
Feb. .	276	05	11,847,640	423,100	55	20	793,440	23,300	32,960	18.7
March,	266	25	11,453,960	369,500	63	15	915,000	29,500	30,740	18.9
April .	297	55	12,327,140	410,900	64	40	925,080	30,800	34,260	18.7
May .	269	00	10,921,820	352,300	64	20	912,240	29,400	30,040	18.8
June .	255	25	10,538,080	351,300	80	25	1,119,660	37,300	31,960	18.9
July .	292	50	12,422,060	400,700	88	00	1,275,840	41,200	34,310	18.7
Aug. .	283	50	12,034,120	388,200	68	50	973,860	31,400	32,550	18.7
Sept. .	264	10	11,154,220	371,800	64	05	940,500	31,400	30,370	18.9
Oct. .	309	25	12,709,900	410,000	60	15	891,060	28,700	34,200	18.7
Nov. .	293	20	11,637,360	387,900	57	20	812,160	27,100	32,400	19.0
Dec. .	313	50	12,123,160	391,100	62	00	900,240	29,000	36,050	19.1
Totals,	3,399	05	140,532,000	385,000	785	20	11,246,100	30,800	390,640	18.9

Note. — Engine No. 1 was not run during 1894.

TABLE X.

Statement of Operations at the West Roxbury Pumping-Station for the Year 1894.

1894.	Total pumping-time.		Total amount pumped.	Daily average amount pumped.	Quantity pumped per lb. of coal.	Total amount of coal consumed.	Per cent. of ashes and clinkers.	Average lift.
	Month.	Hours.	Min.	Gallons.	Gallons.	Gallons.	Pounds.	Per cent.
January . .	275	00	3,229,275	104,200	139.8	23,100	20.3	136.26
February .	253	30	3,198,000	114,200	140.6	22,750	20.0	135.82
March . . .	259	30	3,152,400	101,700	138.9	22,700	20.4	136.36
April . . .	255	30	3,090,150	103,000	153.2	20,175	20.2	135.66
May . . . .	320	00	4,001,700	129,100	165.4	24,200	20.9	136.82
June . . . .	364	30	4,700,925	156,700	170.3	27,600	18.6	136.95
July . . . .	424	00	5,377,875	173,500	166.2	32,350	19.4	137.70
August . .	321	30	4,022,175	129,700	172.8	23,275	16.5	137.53
September .	315	00	3,865,500	128,900	176.5	21,900	16.0	136.42
October . .	292	00	3,183,450	102,700	166.0	19,175	15.5	137.21
November .	285	30	3,059,550	102,000	153.4	19,950	17.5	137.01
December .	316	00	3,470,100	111,900	143.4	24,200	18.0	136.95
Totals and averages,	3,682	00	44,351,100	121,500	157.6	281,375	18.7	136.72

**TABLE XI.**

*Table showing Work done at Mystic Sewage Pumping-Station during the Year 1884.*

1894.	Pumping time.		Amount of sewage pumped and treated.	Sulphate al. used.	Coal used.	Daily average amount of sewage pumped and treated.
	Hrs.	Min.	Gallons.	Lbs.	Lbs.	Gallons.
January . . . . .	471	35	9,585,000	24,060	29,150	342,300
February . . . . .	474	05	10,291,000	24,785	29,500	367,500
March . . . . .	548	15	12,091,000	29,440	33,200	390,000
April . . . . .	497	50	10,759,000	22,475	29,800	371,000
May . . . . .	433	35	8,389,000	21,600	25,650	322,700
June . . . . .	511	25	9,610,000	25,060	17,300	320,300
July . . . . .	490	55	8,778,000	23,150	25,950	292,600
August . . . . .	527	15	9,255,000	23,855	29,500	298,500
September . . . . .	472	40	8,154,000	18,225	28,800	281,200
October . . . . .	508	25	9,263,000	20,975	29,900	319,400
November . . . . .	496	25	9,693,000	21,390	29,300	334,200
December . . . . .	498	35	11,040,000	19,350	29,700	368,000
Totals . . . . .	5,931	00	116,908,000	274,365	337,750	334,000

TABLE XII.

Rainfall in Inches and Hundredths on Sudbury River Water-shed for the Year 1894.

1894.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 . . . . .		0.025										
2 . . . . .												0.515
3 . . . . .						0.420	0.210	0.700			0.605	
4 . . . . .		0.295		0.375	0.110		0.290	0.045				
5 . . . . .	0.045					0.005				0.460		
6 . . . . .	0.085				0.290				0.190		1.260	
7 . . . . .					0.005							
8 . . . . .									0.200		0.375	
9 . . . . .			0.010	0.890				0.145		0.080		
10 . . . . .		0.730								1.645	0.280	0.675
11 . . . . .	0.135		0.030		0.025	0.100						
12 . . . . .	0.055											0.875
13 . . . . .		1.295		1.625				0.210				
14 . . . . .	0.020		0.095				0.250	0.140		0.730	0.150	
15 . . . . .		0.865	0.180					0.030	0.050			
16 . . . . .	0.220						0.075					
17 . . . . .									0.350			
18 . . . . .		0.310									0.110	
19 . . . . .	0.145				0.615							
20 . . . . .		0.245						0.760	1.755			
21 . . . . .			0.075	0.160	0.280	0.460	0.090				0.395	
22 . . . . .				0.040			0.500					
23 . . . . .			0.830		0.030	0.170						
24 . . . . .	0.460			0.325	0.785		0.845					
25 . . . . .					0.080		0.800				0.150	0.255
26 . . . . .		0.145	0.060		0.025					1.670		
27 . . . . .	1.160											2.490
28 . . . . .												
29 . . . . .			0.175		1.545		0.195					
30 . . . . .	1.765								0.090		0.100	
31 . . . . .					0.445					0.760		
Totals . . . . .	4.090	3.910	1.435	3.415	4.235	1.155	3.255	2.030	2.635	5.345	3.425	4.810

Total rainfall during the year, 39.740 inches, being an average of two gauges, located at Framingham and Ashland.

TABLE XIII.

*Rainfall in Inches and Hundredths at Lake Cochituate for the Year 1894.*

1894.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1 . . . . .		0.02										
2 . . . . .					0.02							0.49
3 . . . . .						0.45	0.22	0.71			0.54	
4 . . . . .				0.33	0.16		0.23	0.05				
5 . . . . .		0.21				0.01				0.64		
6 . . . . .	0.04		0.01	0.01	0.29				0.10		1.46	
7 . . . . .	0.05											
8 . . . . .								0.16	0.16			
9 . . . . .				1.03							0.08	
10 . . . . .		0.63								1.53	0.64	0.64
11 . . . . .	0.17		0.02			0.08						
12 . . . . .												0.84
13 . . . . .		1.31		1.42								
14 . . . . .			0.08				0.14	0.29		0.92	0.17	
15 . . . . .		0.85	0.13					0.03	0.06			
16 . . . . .	0.24						0.14					
17 . . . . .						0.26			0.26		0.10	
18 . . . . .		0.34									0.02	
19 . . . . .	0.14							0.04				
20 . . . . .		0.22						1.29	1.62			
21 . . . . .			0.03		0.86	0.79					0.33	
22 . . . . .				0.22			0.86					
23 . . . . .			0.65			0.02					0.01	
24 . . . . .				0.26	0.66		0.57					
25 . . . . .	0.42				0.08		1.24				0.16	0.23
26 . . . . .		0.31								1.37		
27 . . . . .	1.27											2.18
28 . . . . .												
29 . . . . .			0.24		1.13		0.21					
30 . . . . .	1.62								0.07		0.10	
31 . . . . .					0.50					0.60		
Totals .	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38

Total rainfall during the year, 39.08 inches.

TABLE XIV.

Rainfall in Inches and Hundredths at Mystic Lake for the Year 1894.

1894.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1.												
2.												
3.						0.16	0.38	0.44			0.77	0.44
4.				0.39		0.02		0.06				
5.		0.21			0.24					0.52		
6.	0.10				0.32				0.06		1.59	
7.	0.07					0.20						
8.		0.03							0.34			
9.				1.03				0.29		0.16		
10.		0.78	0.03					0.86	0.02	1.70	0.35	0.47
11.			0.01									
12.	0.21											0.81
13.		0.95						0.17				
14.			0.10	1.73			0.01	0.02		1.36	0.18	
15.		0.86							0.08			
16.	0.32		0.06									
17.									0.44		0.16	
18.		0.29										
19.	0.23				1.33						0.02	
20.		0.19						0.68	1.58			
21.			0.02		0.34	0.34	0.67				0.23	
22.				0.12			0.80					
23.			0.63		0.05							
24.				0.18			0.81					
25.	0.40				0.94		0.69				0.09	0.25
26.			0.06		0.04					1.30		
27.	1.20									0.02		2.00
28.				0.03								
29.			0.18		1.30							
30.	1.40						0.09				0.10	
31.					0.62					0.52		
Totals.	3.93	3.21	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.53	3.49	3.97

**TABLE XV.**  
*Monthly Rainfall in Inches, during 1894, at Various Places in Eastern Massachusetts.*

PLACE.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Frammingham . . . . .	4.23	3.91	1.41	3.28	4.37	1.11	3.82	1.94	2.78	5.20	3.43	4.81	40.29
Dam 4, Ashland . . . . .	3.85	3.91	1.46	3.55	4.10	1.20	2.69	2.12	2.49	5.49	3.42	4.81	39.19
Cordaville . . . . .	3.75	3.98	1.49	3.86	4.78	2.14	3.14	2.75	2.49	5.76	3.58	4.55	42.27
Lake Cochituate . . . . .	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38	39.08
Chestnut Hill . . . . .	3.80	3.81	1.14	3.24	4.27	0.20	3.33	2.27	2.50	6.04	3.41	4.06	38.17
Mystic Lake . . . . .	3.93	3.31	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.58	3.49	3.97	39.24
Winchester . . . . .	3.43	3.04	0.96	2.60	4.24	0.31	3.14	1.24	1.97	4.93	3.64	4.18	33.68
Mystic Pumping-station . . . . .	3.79	3.09	0.99	2.64	4.74	0.52	3.13	1.75	3.04	5.38	3.46	4.46	36.99
Boston Pipe-yard . . . . .	3.84	3.28	1.42	2.78	3.74	0.79	3.01	2.95	1.55	5.63	3.31	4.62	36.92
Cambridge Observatory . . . . .	3.33	3.59	0.37	2.67	2.27	0.38	2.56	1.83	2.42	5.23	3.49	4.82	32.46
Waltham, Boston Manufacturing Co. . . . .	2.54	2.65	1.20	3.29	4.57	0.51	3.16	1.48	2.29	5.92	3.83	4.30	35.74
Lowell, Locks and Canals Co. . . . .	3.35	3.50	1.27	3.76	4.36	0.37	3.00	0.92	3.03	3.46	3.52	3.84	34.38
Average of twelve places . . . . .	3.666	3.497	1.163	3.202	4.193	0.822	3.170	2.028	2.446	5.313	3.509	4.358	37.367



**TABLE XVI.**

*Table showing the Temperature of Air and Water at Various Stations on the Water-Works.*

1894.	TEMPERATURE OF AIR.						TEMPERATURE OF WATER.	
	Chestnut Hill Reservoir.			Framingham.			Brookline Reservoir.	Mystic Engine-House.
	Maximum.	Minimum.	Mean.	Maximum.	Minimum.	Mean.	Mean.	Mean.
January . . . . .	56.5	0.0	28.9	54.0	-6.0	26.7	37.2	36.2
February . . . . .	52.5	-10.0	25.9	49.0	-14.0	24.2	36.9	35.8
March . . . . .	70.5	17.0	41.8	69.0	15.0	40.6	40.3	38.0
April . . . . .	80.5	18.0	47.5	79.0	16.0	45.8	45.6	43.7
May . . . . .	89.0	34.5	59.3	88.0	30.0	57.7	59.7	58.9
June . . . . .	97.0	41.5	69.7	95.0	40.0	69.3	66.5	66.9
July . . . . .	105.5	50.0	75.9	98.0	47.0	74.2	74.5	75.9
August . . . . .	92.5	42.0	69.1	90.0	40.0	67.2	73.2	72.4
September . . . . .	90.0	40.0	65.2	90.0	31.0	63.8	68.2	67.2
October . . . . .	76.5	32.5	52.8	76.0	28.0	51.3	57.2	53.8
November . . . . .	65.0	11.0	36.6	64.0	8.0	35.2	43.8	41.5
December . . . . .	55.0	5.0	30.4	52.0	0.0	27.7	37.6	36.1

**TABLE XVII.**  
*Rainfall in Inches on Cochituate Water-shed, 1863 to 1894.*

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1863 . . . . .	4.10	4.38	3.57	11.34	2.66	1.98	14.12	5.61	3.39	4.56	8.54	5.05	69.30	27.68
1864 . . . . .	3.37	0.98	8.44	4.02	2.84	0.58	1.06	3.56	1.52	6.50	5.45	4.28	42.60	12.64
1865 . . . . .	4.99	4.45	5.48	2.18	8.25	0.91	3.10	3.36	1.66	6.99	4.78	3.31	49.46	15.11
1866 . . . . .	1.44	5.80	3.92	1.94	6.46	4.80	13.35	3.88	8.36	3.43	4.52	4.32	62.32	29.12
1867 . . . . .	2.76	5.40	5.65	2.43	6.46	2.95	5.36	12.86	1.08	7.27	2.63	1.90	56.25	26.07
1868 . . . . .	3.70	1.18	2.51	5.61	8.12	2.95	2.16	7.38	7.69	1.19	6.77	0.45	49.71	18.42
1869 . . . . .	3.71	7.07	7.52	2.57	7.50	3.68	2.63	2.34	8.49	9.50	3.26	5.98	64.34	22.96
1870 . . . . .	7.85	4.68	6.04	8.81	3.14	4.05	3.10	2.03	0.64	7.96	4.40	3.19	55.89	13.73
1871 . . . . .	1.31	2.30	5.02	2.29	5.66	5.96	2.20	3.56	1.46	5.38	7.01	3.24	45.39	12.60
1872 . . . . .	1.86	1.37	3.06	1.74	3.24	4.27	5.55	9.76	6.29	3.69	4.22	3.42	48.47	25.29
1873 . . . . .	4.24	2.43	3.98	2.69	3.24	0.38	4.08	7.17	2.62	6.11	4.54	3.95	45.43	19.98
1874 . . . . .	2.96	2.90	1.19	6.36	3.40	4.79	3.16	4.83	1.55	1.04	2.05	1.70	35.93	10.58
1875 . . . . .	2.42	3.15	3.74	3.23	3.56	6.24	3.57	5.33	3.43	4.85	4.83	0.94	45.49	17.38
1876 . . . . .	1.83	4.21	7.43	3.24	2.80	1.60	9.49	2.19	3.98	2.00	6.59	3.13	48.49	17.66
1877 . . . . .	3.19	0.33	7.79	3.24	3.73	2.64	2.77	3.35	0.46	8.14	6.94	1.02	43.80	14.72
1878 . . . . .	5.77	5.93	4.20	5.63	0.83	3.33	3.47	6.94	1.12	5.15	6.09	5.12	53.58	16.68
1879 . . . . .	2.00	3.05	3.90	4.69	1.20	4.14	3.38	6.43	1.74	0.90	2.98	3.60	38.01	12.45
1880 . . . . .	3.07	4.05	2.83	2.94	1.98	1.25	7.00	3.81	1.69	2.95	1.70	2.56	35.83	15.45

1881 . . . . .	5.36	4.43	4.79	1.71	3.18	4.83	2.78	1.13	2.13	2.87	3.85	3.83	41.09	8.91
1882 . . . . .	5.93	3.96	2.76	1.89	4.73	1.87	3.49	1.14	9.20	2.22	0.93	2.17	40.29	16.05
1883 . . . . .	2.88	3.50	1.76	2.27	3.95	1.81	2.88	0.39	1.31	5.16	2.06	3.14	31.20	9.74
1884 . . . . .	4.39	6.04	4.50	3.80	2.92	3.88	4.42	4.49	0.90	2.59	2.33	5.31	45.57	12.40
1885 . . . . .	5.25	3.98	1.09	3.71	3.46	2.96	1.73	7.01	1.63	5.26	5.26	2.32	43.60	15.63
1886 . . . . .	6.33	6.86	3.46	2.00	2.97	1.21	3.30	3.75	3.20	3.16	4.76	5.77	46.97	13.41
1887 . . . . .	5.29	5.34	5.10	4.45	1.02	2.58	3.77	3.70	1.28	2.49	2.76	3.80	41.58	11.24
1888 . . . . .	4.13	3.55	5.00	2.51	4.63	2.07	1.67	6.32	8.81	4.95	7.03	5.66	56.93	21.75
1889 . . . . .	5.46	1.56	2.28	3.19	3.64	3.17	9.10	4.57	4.92	3.85	5.79	2.70	50.23	22.44
1890 . . . . .	2.34	3.21	7.35	2.51	5.31	1.78	2.31	3.34	6.47	10.11	1.24	5.26	51.23	22.23
1891 . . . . .	6.67	5.02	5.49	3.62	1.67	3.78	2.99	4.91	2.12	4.14	2.84	3.17	46.42	14.16
1892 . . . . .	4.78	2.80	4.12	0.78	5.46	3.23	3.47	3.79	2.87	1.42	5.14	1.18	39.04	11.55
1893 . . . . .	2.61	7.26	3.13	3.21	5.45	2.75	2.40	5.86	1.76	3.74	2.08	5.03	45.28	13.76
1894 . . . . .	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38	39.08	13.59
Totals.	126.34	125.35	138.86	113.87	127.25	94.03	137.47	147.16	106.04	144.71	136.50	110.88	1508.86	535.38
Averages.	3.95	3.92	4.34	3.56	3.97	2.94	4.30	4.60	3.31	4.52	4.28	3.46	47.15	16.73

TABLE XVIII.

*Rainfall Collected, in Inches, on Cochituate Water-shed, 1863 to 1894.*

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	4 months, July-Oct.
1863 . . . . .	1.93	3.11	3.71	4.42	1.44	0.67	2.97	1.51	0.98	1.32	2.65	2.17	26.88	6.78
1864 . . . . .	2.39	1.56	4.05	2.65	1.62	0.49	0.41	0.68	0.49	1.43	1.25	1.33	18.35	3.01
1865 . . . . .	2.15	1.74	4.66	2.70	4.70	0.34	0.46	0.47	0.45	0.70	1.00	1.13	20.50	2.08
1866 . . . . .	0.73	2.84	1.76	1.63	1.29	1.10	1.20	0.64	1.34	0.93	0.99	1.56	16.01	4.11
1867 . . . . .	1.10	5.24	3.50	2.87	2.20	0.65	0.59	2.10	0.31	1.02	1.10	1.12	21.80	4.02
1868 . . . . .	1.22	1.12	3.84	3.48	6.17	1.59	0.45	1.18	1.85	0.95	1.96	1.17	24.98	4.43
1869 . . . . .	1.82	1.84	3.31	2.49	2.20	1.07	0.74	0.58	1.10	2.37	1.30	3.17	21.99	4.79
1870 . . . . .	4.71	3.93	3.38	6.87	1.66	0.97	0.53	0.41	0.86	1.11	0.88	0.77	26.08	2.91
1871 . . . . .	1.03	2.28	2.53	1.58	2.00	0.87	0.43	0.85	0.39	0.69	1.30	1.21	15.16	2.36
1872 . . . . .	1.15	0.93	1.41	3.08	1.10	1.49	0.14	1.32	1.70	1.69	2.00	1.21	17.22	4.85
1873 . . . . .	3.09	1.57	3.89	6.09	2.66	0.45	0.62	1.40	0.78	2.04	1.86	2.68	27.13	4.84
1874 . . . . .	3.55	2.19	1.84	3.19	2.78	1.96	0.95	0.92	0.53	0.52	0.58	0.51	19.52	2.92
1875 . . . . .	0.13	2.92	2.66	3.15	1.39	1.48	0.25	0.62	0.60	1.19	1.96	1.22	17.57	2.66
1876 . . . . .	1.09	1.78	5.19	4.20	1.43	0.51	0.84	0.29	0.88	0.49	1.85	0.99	19.54	2.50
1877 . . . . .	1.20	1.37	6.81	3.24	2.04	0.92	0.65	0.67	0.46	1.16	2.69	1.96	23.17	2.94
1878 . . . . .	3.25	3.97	5.40	2.86	1.66	0.76	0.47	0.84	0.29	0.73	2.07	4.04	26.34	2.33
1879 . . . . .	1.29	2.32	3.30	4.48	1.40	0.77	0.33	0.95	0.61	0.60	0.72	1.04	17.81	2.49
1880 . . . . .	1.47	2.24	1.79	1.57	0.44	0.06	0.33	0.23	0.24	0.49	0.83	0.61	10.30	1.29
1881 . . . . .	1.19	2.23	5.66	1.79	1.26	1.31	0.16	0.09	0.23	0.18	0.84	1.40	16.34	0.66
1882 . . . . .	1.84	3.00	3.67	0.93	1.55	0.62	0.06	0.07	0.97	0.84	0.58	0.92	15.05	1.94
1883 . . . . .	0.84	1.59	2.04	1.66	1.26	0.07	0.02	0.07	0.62	0.59	0.41	0.94	10.11	1.30
Am'ts forward	37.17	49.77	74.40	64.93	42.25	18.15	12.60	15.89	15.68	21.04	28.82	31.15	411.85	65.21

*Rainfall Collected, in Inches, on Cochituate Water-shed, 1863 to 1894, Concluded.*

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	4 months July-Oct.
Am'ts forward	37.17	49.77	74.40	64.93	42.25	18.15	12.60	15.89	15.68	21.04	28.82	31.15	411.85	65.21
1884 . . . . .	1.84	2.86	4.67	4.00	1.39	0.67	0.26	0.61	0.13	0.34	0.62	1.82	19.21	1.34
1885 . . . . .	1.90	2.00	2.21	2.36	1.61	0.43	0.00	0.33	0.25	0.79	2.05	1.64	15.57	1.37
1886 . . . . .	2.28	7.93	3.51	2.52	1.09	0.18	0.25	0.14	0.30	0.42	1.20	2.10	21.92	1.11
1887 . . . . .	4.06	4.34	4.70	3.36	1.35	0.82	0.72	1.33	0.64	0.49	0.70	0.96	23.47	3.18
1888 . . . . .	1.13	2.77	4.76	3.45	2.37	0.53	0.47	0.94	2.31	2.57	4.21	5.46	30.97	6.29
1889 . . . . .	4.50	1.85	2.08	2.17	1.20	1.18	1.63	3.43	1.79	1.91	2.95	3.26	27.95	8.76
1890 . . . . .	1.92	2.04	5.87	2.23	1.85	1.41	0.33	0.46	1.40	3.40	1.49	2.11	24.51	5.59
1891 . . . . .	6.26	6.62	8.03	4.31	0.88	0.77	0.50	0.72	0.76	0.79	0.83	1.60	32.07	2.77
1892 . . . . .	3.18	1.64	3.12	0.90	2.03	0.49	0.33	0.56	0.60	0.57	1.09	0.84	15.35	2.06
1893 . . . . .	0.64	2.55	4.12	2.42	1.83	0.75	0.38	0.77	0.42	1.09	1.00	1.68	17.65	2.66
1894 . . . . .	1.27	1.69	2.55	2.15	0.91	0.45	0.38	0.41	0.46	0.66	0.92	1.14	12.99	1.91
Totals . . .	66.15	86.06	120.02	94.80	58.76	25.83	17.85	25.59	24.74	34.07	45.88	53.76	653.51	102.25
Averages .	2.07	2.69	3.75	2.96	1.84	0.81	0.56	0.80	0.77	1.06	1.43	1.68	20.42	3.19

TABLE XIX.

*Percentage of Rainfall Collected on Cochituate Water-shed, 1863 to 1894.*

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly.	4 months, July-Oct.
1863 . . . . .	47.0	71.0	104.0	39.0	54.0	34.0	21.0	27.0	29.0	29.0	31.0	43.0	38.8	24.5
1864 . . . . .	71.0	159.0	48.0	66.0	57.0	84.0	39.0	19.0	32.0	22.0	23.6	31.0	43.0	23.8
1865 . . . . .	43.0	39.0	85.0	124.0	57.0	37.0	15.0	14.0	27.0	10.0	21.0	34.0	41.4	13.8
1866 . . . . .	51.0	49.0	45.0	84.0	20.0	23.0	9.0	16.0	16.0	27.0	22.0	36.0	25.7	14.1
1867 . . . . .	40.0	97.0	62.0	118.0	34.0	22.0	11.0	17.0	29.0	14.0	42.0	59.0	38.7	15.4
1868 . . . . .	33.0	95.0	163.0	62.0	76.0	54.0	21.0	16.0	24.0	80.0	29.0	261.0	50.2	24.0
1869 . . . . .	49.0	26.0	44.0	97.0	29.0	29.0	28.0	25.0	13.0	25.0	40.0	53.0	34.2	20.9
1870 . . . . .	60.0	84.0	56.0	78.0	53.0	24.0	17.0	20.0	134.0	14.0	20.0	24.0	46.7	21.2
1871 . . . . .	79.0	99.0	50.4	68.8	35.3	14.6	19.6	23.8	26.8	12.8	18.5	37.4	33.4	18.7
1872 . . . . .	61.8	67.8	46.0	177.3	33.8	34.8	2.6	13.5	27.0	45.7	47.4	35.3	35.5	19.2
1873 . . . . .	72.9	64.8	97.8	226.4	82.2	119.1	15.1	19.5	29.8	33.4	40.9	67.9	59.8	24.2
1874 . . . . .	120.0	75.5	154.7	50.2	81.7	40.8	30.0	19.1	34.3	50.3	28.4	29.9	54.3	27.6
1875 . . . . .	5.5	92.8	71.2	97.5	39.9	23.7	7.1	11.2	17.4	24.6	40.5	129.8	38.6	15.3
1876 . . . . .	59.3	42.4	69.9	129.7	50.9	31.6	8.9	13.3	22.2	24.3	28.1	31.5	40.3	14.2
1877 . . . . .	37.6	258.9	87.4	100.0	54.6	34.8	23.3	19.6	99.8	14.3	38.8	192.6	52.9	20.0
1878 . . . . .	56.3	66.9	128.6	50.7	200.0	23.2	13.5	12.0	25.8	14.3	34.0	78.8	49.2	14.0
1879 . . . . .	64.4	76.3	84.5	95.6	117.0	18.6	9.7	14.7	35.0	66.5	24.2	28.9	46.9	20.0
1880 . . . . .	47.9	55.3	63.3	53.3	22.2	4.5	4.7	6.1	14.3	16.6	48.9	23.8	28.7	8.3

1881 . . . . .	21.5	50.3	118.1	104.8	39.6	27.0	5.8	7.5	10.8	6.4	21.8	36.7	39.8	7.4
1882 . . . . .	31.0	75.9	133.0	49.3	32.8	33.1	1.7	6.2	10.5	37.9	62.4	42.3	37.4	12.1
1883 . . . . .	29.2	44.3	115.8	73.1	31.9	3.7	0.6	18.6	47.4	11.5	20.0	29.8	32.4	13.3
1884 . . . . .	41.8	47.4	103.9	105.1	47.5	17.3	5.0	13.6	14.9	13.1	26.7	34.2	42.2	10.8
1885 . . . . .	36.1	50.2	292.7	63.6	46.7	14.4	0.0	4.8	15.5	15.0	39.0	70.7	35.7	8.8
1886 . . . . .	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	8.3
1887 . . . . .	60.2	80.8	72.0	81.3	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.0	47.8	23.3
1888 . . . . .	27.5	78.0	85.0	137.3	51.2	25.8	28.1	14.9	26.2	51.9	59.9	96.4	54.4	23.9
1889 . . . . .	82.5	118.7	91.5	68.1	32.9	37.1	17.9	75.0	36.4	49.6	50.9	120.9	55.6	39.0
1890 . . . . .	82.0	63.4	79.9	88.9	34.9	79.1	14.2	13.9	21.6	33.7	120.0	40.2	47.9	25.1
1891 . . . . .	93.8	131.9	146.3	119.1	52.8	20.4	16.7	14.7	35.9	19.0	29.2	50.5	69.1	19.6
1892 . . . . .	66.6	58.5	75.7	115.5	37.1	15.3	9.5	14.7	21.1	40.2	21.2	71.1	39.3	17.8
1893 . . . . .	24.5	35.1	131.7	75.7	33.5	27.2	15.9	13.2	23.9	28.8	48.4	33.4	39.0	19.3
1894 . . . . .	32.3	43.5	219.7	65.8	24.6	27.9	10.4	16.1	20.0	12.8	26.1	26.1	33.3	14.1
Totals . . . . .	1064.3	2505.0	3128.0	3019.4	1718.1	1063.8	446.5	555.0	963.3	875.8	1148.4	1904.5	1381.9	592.0
Average . . . . .	52.0	78.3	97.8	94.4	53.7	35.2	14.0	17.3	30.1	27.4	35.9	59.5	43.2	18.5

**TABLE XX.**  
*Rainfall, in Inches, on Sudbury River Watershed, 1875 to 1894.*

Year.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months. July-Oct.
1875 . . . . .	2.420	3.150	3.740	3.230	3.560	6.240	3.570	5.530	3.430	4.850	4.830	0.940	45.490	17.380
1876 . . . . .	1.830	4.210	7.480	4.197	2.763	2.040	9.134	1.720	4.614	2.241	5.764	3.620	49.563	17.709
1877 . . . . .	3.216	0.739	8.357	3.435	3.702	2.425	2.951	3.682	0.323	8.515	5.803	0.870	44.018	15.471
1878 . . . . .	5.632	5.973	4.689	5.790	0.956	3.884	2.971	6.937	1.291	6.417	7.024	6.397	57.331	17.616
1879 . . . . .	2.478	3.562	5.140	4.716	1.579	3.789	3.933	6.509	1.878	0.809	2.682	4.344	41.419	13.129
1880 . . . . .	3.566	3.980	3.315	3.105	1.836	2.138	6.273	4.008	1.603	3.740	1.785	2.828	38.177	15.624
1881 . . . . .	5.538	4.646	5.730	2.000	3.511	5.395	2.350	1.358	2.617	2.955	4.091	3.958	44.169	9.280
1882 . . . . .	5.951	4.546	2.649	1.824	5.066	1.664	1.769	1.667	8.741	2.074	1.147	2.296	39.394	14.251
1883 . . . . .	2.810	3.865	1.780	1.845	4.185	2.400	2.680	0.735	1.520	5.600	1.810	3.550	32.780	10.535
1884 . . . . .	5.085	6.545	4.720	4.405	3.470	3.445	3.065	4.650	0.855	2.480	2.645	5.170	47.135	11.650
1885 . . . . .	4.710	3.865	1.070	3.605	3.485	2.865	1.425	7.185	1.425	5.095	6.095	2.720	43.545	15.130
1886 . . . . .	6.395	6.280	3.610	2.225	2.995	1.465	3.265	4.100	2.905	3.235	4.645	4.975	46.065	13.505
1887 . . . . .	5.200	4.780	4.900	4.265	1.165	2.650	3.760	5.280	1.320	2.885	2.670	3.880	42.705	13.195
1888 . . . . .	4.150	3.685	6.020	2.425	4.825	2.535	1.405	6.225	8.585	4.990	7.225	5.395	57.465	21.205
1889 . . . . .	5.370	1.655	2.265	3.410	2.945	2.800	8.940	4.175	4.605	4.255	6.290	3.140	49.950	21.975
1890 . . . . .	2.530	3.505	7.735	2.645	5.210	2.030	2.460	3.865	6.000	10.510	1.210	5.310	53.000	22.835
1891 . . . . .	7.020	5.295	6.475	3.905	2.010	3.770	3.395	4.725	2.380	3.830	3.090	3.685	49.920	14.830
1892 . . . . .	5.850	3.140	4.060	0.830	5.585	2.790	4.230	4.440	2.840	1.170	5.800	1.125	41.830	12.680
1893 . . . . .	2.925	8.195	3.670	3.605	6.610	2.380	2.570	5.415	1.735	4.065	2.195	4.800	48.225	13.785
1894 . . . . .	4.090	3.910	1.435	3.415	4.235	1.155	3.255	2.030	2.635	5.345	3.425	4.810	39.740	13.265
Totals . . . . .	86.756	85.466	88.850	64.877	69.693	57.830	74.001	84.236	61.302	85.011	80.216	73.843	912.121	304.350
Averages . . . . .	4.338	4.273	4.445	3.244	3.485	2.891	3.700	4.212	3.065	4.250	4.011	3.692	45.606	15.227



TABLE XXI.  
Rainfall Collected, in Inches, on Sudbury River Water-shed, 1875 to 1894.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1875 . . . . .	0.184	2.411	2.862	5.263	2.119	1.501	0.573	0.706 *	0.358	1.152	2.248	1.041	20.418	2.780
1876 . . . . .	1.147	2.282	7.911	5.683	2.031	0.383	0.326	0.723	0.318	0.417	1.878	0.809	23.908	1.784
1877 . . . . .	1.174	1.829	8.586	4.132	2.482	1.031	0.330	0.216	0.103	1.127	2.447	2.300	25.487	1.806
1878 . . . . .	3.228	3.972	6.256	2.807	2.487	0.873	0.229	0.848	0.277	0.921	2.922	5.667	30.487	2.275
1879 . . . . .	1.249	2.756	4.156	5.379	1.987	0.713	0.231	0.705	0.243	0.126	0.355	0.825	18.775	1.355
1880 . . . . .	2.000	2.982	2.451	2.017	0.917	0.303	0.315	0.212	0.138	0.181	0.354	0.312	12.182	0.846
1881 . . . . .	0.740	2.491	7.142	2.669	1.721	2.309	0.493	0.264	0.340	0.331	0.682	1.383	20.565	1.428
1882 . . . . .	2.213	3.872	5.064	1.497	2.304	0.913	0.154	0.099	0.529	0.534	0.362	0.561	18.102	1.316
1883 . . . . .	0.597	1.664	2.873	2.330	1.673	0.518	0.206	0.140	0.157	0.331	0.354	0.345	11.188	0.834
1884 . . . . .	1.775	4.742	6.752	4.925	1.838	0.719	0.399	0.458	0.076	0.148	0.302	1.650	23.784	1.081
1885 . . . . .	2.203	2.182	2.805	3.133	2.383	0.735	0.111	0.420	0.209	0.509	2.033	2.094	18.916	1.348
1886 . . . . .	2.606	7.734	3.672	3.361	1.285	0.350	0.206	0.168	0.203	0.260	1.161	1.819	22.825	0.837
1887 . . . . .	4.619	4.558	5.116	4.522	1.799	0.714	0.204	0.382	0.191	0.339	0.636	1.147	24.227	1.116
1888 . . . . .	1.878	3.255	5.775	4.566	2.912	0.728	0.209	0.677	1.994	3.365	4.761	5.428	35.749	6.446
1889 . . . . .	4.963	1.926	2.388	2.434	1.969	1.128	1.130	2.554	1.422	2.194	3.351	3.997	29.056	7.300
1890 . . . . .	2.237	2.463	6.498	3.296	2.437	0.980	0.191	0.235	0.790	4.053	2.097	1.776	26.993	5.269
1891 . . . . .	5.333	5.616	7.944	4.138	1.039	0.714	0.266	0.290	0.350	0.375	0.526	0.971	27.612	1.281
1892 . . . . .	3.395	1.574	3.488	1.504	2.245	0.739	0.382	0.500	0.396	0.224	1.204	0.865	16.456	1.502
1893 . . . . .	0.773	2.485	5.780	3.698	5.143	0.759	0.282	0.322	0.187	0.395	0.550	1.421	21.774	1.186
1894 . . . . .	1.236	1.596	3.992	2.832	1.498	0.723	0.287	0.373	0.258	0.668	1.442	1.277	16.182	1.586
Totals . . . . .	43.540	62.090	101.520	70.096	41.869	16.833	6.604	10.301	8.539	17.941	29.665	35.688	444.686	43.335
Averages . . . . .	2.177	3.105	5.076	3.505	2.093	0.842	0.330	0.515	0.427	0.897	1.483	1.784	22.234	2.169

TABLE XXII.

*Percentage of Rainfall Collected on Sudbury River Water-shed,  
1875 to 1894.*

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months, July Oct.
1875 . . . .	7.6	76.5	76.5	162.9	59.5	24.0	16.0	12.8	10.4	23.8	46.5	110.7	44.9	16.0
1876 . . . .	62.7	54.2	106.5	135.4	73.5	18.8	3.6	42.0	6.9	18.6	32.6	22.3	48.2	10.1
1877 . . . .	36.5	206.9	102.7	120.3	67.0	42.5	12.2	5.9	31.9	13.2	42.2	264.4	57.9	11.7
1878 . . . .	57.3	66.5	133.4	48.5	260.2	22.5	7.7	12.2	21.5	14.3	41.6	89.0	52.6	12.9
1879 . . . .	50.4	77.4	80.9	114.1	125.8	18.8	7.1	10.8	12.9	15.6	13.2	19.0	45.3	10.3
1880 . . . .	56.0	74.9	73.9	65.0	50.0	14.2	5.0	5.3	8.6	4.8	19.9	11.0	31.9	5.4
1881 . . . .	13.3	53.6	124.6	133.4	49.0	42.8	21.0	19.4	13.0	11.2	16.7	34.9	46.6	15.4
1882 . . . .	37.2	85.2	191.2	82.1	45.5	54.9	8.7	5.9	6.0	25.7	31.5	24.5	45.9	9.2
1883 . . . .	21.2	43.0	161.4	126.3	40.0	21.6	7.7	19.1	10.4	5.9	19.5	9.7	34.1	7.9
1884 . . . .	34.9	72.5	143.1	111.8	53.0	20.9	10.9	9.8	8.9	6.0	11.4	31.9	50.5	9.3
1885 . . . .	46.8	56.4	262.1	86.9	68.4	25.7	7.8	6.0	14.7	11.8	33.3	77.0	43.4	8.9
1886 . . . .	40.9	123.2	101.7	151.1	42.9	23.9	6.3	4.1	7.0	8.0	25.0	36.6	49.5	6.2
1887 . . . .	88.8	95.3	104.4	106.0	154.5	26.9	5.5	7.2	14.5	12.0	23.8	29.6	56.7	8.5
1888 . . . .	45.3	88.3	95.9	188.3	60.3	28.7	14.9	10.9	23.2	71.4	65.9	100.6	62.2	30.4
1889 . . . .	92.4	116.4	100.9	71.4	53.3	40.3	12.6	61.2	30.9	51.6	53.3	127.3	58.2	33.2
1890 . . . .	88.4	70.3	84.0	122.3	46.8	48.3	7.8	6.1	13.2	38.6	174.7	33.5	50.9	23.1
1891 . . . .	76.7	107.3	122.7	106.0	51.7	18.9	7.8	6.1	14.7	9.8	17.0	26.3	55.8	8.9
1892 . . . .	57.0	50.1	85.9	181.1	40.2	26.8	9.0	11.3	13.9	19.2	20.7	76.9	39.3	11.8
1893 . . . .	26.4	30.3	157.7	101.7	77.8	31.9	11.0	5.9	10.8	9.7	25.1	29.2	45.2	8.6
1894 . . . .	30.2	40.8	278.2	82.9	35.4	62.6	8.8	18.4	9.8	12.5	42.1	26.5	40.7	12.0
Totals . .	970.0	1589.1	2587.7	2297.5	1454.8	615.0	191.4	280.4	283.2	333.7	756.0	1180.9	959.8	259.8
Averages .	48.5	79.5	129.4	114.9	72.7	30.7	9.6	14.0	14.2	19.2	37.8	59.0	48.0	13.00

TABLE XXIII.  
Rainfall, in Inches, on Mystic Water-shed, 1878 to 1894.

YEAR.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals.	4 months, July-Oct.
1878 . . . . .	5.67	5.74	3.93	5.73	0.67	2.62	3.52	7.51	3.19	4.95	5.89	4.845	54.065	19.17
1879 . . . . .	1.82	2.73	3.52	4.65	1.86	3.98	2.39	5.48	1.60	0.77	2.76	3.74	35.30	10.24
1880 . . . . .	2.62	4.23	2.49	2.18	2.02	1.49	7.23	3.64	1.42	2.70	1.80	2.50	34.42	14.99
1881 . . . . .	5.82	3.63	6.69	1.54	2.98	6.84	2.60	0.67	2.17	+2.16	3.52	3.29	41.91	7.60
1882 . . . . .	5.945	4.68	2.49	2.11	4.58	2.09	2.34	1.065	8.35	1.94	1.745	2.23	39.165	13.695
1883 . . . . .	2.67	3.065	2.22	2.47	3.585	1.635	2.785	0.87	1.495	5.45	1.98	2.995	31.22	10.60
1884 . . . . .	4.745	6.085	4.255	3.18	2.95	4.635	3.72	4.855	0.70	2.70	2.005	4.56	44.39	11.975
1885 . . . . .	4.83	3.40	1.175	3.445	3.945	4.41	2.04	5.90	1.425	5.52	6.31	2.10	44.50	14.885
1886 . . . . .	6.315	7.175	3.84	2.10	2.945	1.54	3.71	3.24	2.955	2.85	4.065	4.825	45.560	12.755
1887 . . . . .	5.245	4.47	5.00	4.605	1.69	2.695	6.585	4.965	1.50	3.04	3.05	3.575	46.42	16.090
1888 . . . . .	4.05	3.28	5.185	2.84	5.095	2.20	2.23	6.23	8.56	4.955	6.85	5.27	56.745	21.975
1889 . . . . .	5.505	1.86	2.285	3.61	4.64	3.315	3.455	3.92	4.705	3.59	5.65	2.86	50.395	20.67
1890 . . . . .	2.725	3.38	6.68	2.405	6.30	3.38	2.265	3.64	3.70	8.84	1.385	4.67	49.37	18.445
1891 . . . . .	6.245	5.075	6.07	3.15	2.46	4.43	3.18	3.88	2.16	4.735	2.605	3.41	47.40	13.955
1892 . . . . .	4.515	3.015	4.005	0.815	5.585	4.15	2.575	4.82	2.005	1.835	4.645	1.15	39.115	11.235
1893 . . . . .	2.26	7.50	2.55	3.37	6.26	2.10	2.64	5.41	2.01	4.10	2.25	4.35	44.20	13.56
1894 . . . . .	3.93	3.31	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.58	3.49	3.97	39.24	14.07
Totals . . . . .	74.510	72.625	63.475	51.680	62.745	52.230	61.115	68.615	50.465	65.715	59.900	60.340	745.415	245.910
Averages . . . . .	4.383	4.272	3.734	3.040	3.691	3.072	3.595	4.056	2.969	3.865	3.524	3.549	43.730	14.465

TABLE XXIV.

*Rainfall Collected, in Inches, on Mystic Water-shed, 1878 to 1894.*

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Totals.	4 months, July-Oct.
1878 . . . . .	3.55	3.97	4.91	2.21	2.16	0.78	0.48	1.11	0.56	0.71	1.75	3.63	25.82	2.86
1879 . . . . .	1.21	2.33	3.31	3.97	1.95	0.97	0.54	0.70	0.45	0.34	0.45	0.60	16.94	2.06
1880 . . . . .	1.70	2.54	1.95	1.50	0.96	0.51	0.67	0.54	0.45	0.36	0.44	0.59	12.21	2.02
1881 . . . . .	0.82	2.14	6.79	2.17	1.51	2.05	0.87	0.35	0.31	0.29	0.50	0.87	18.67	1.82
1882 . . . . .	1.37	3.03	4.19	1.16	1.85	0.81	0.35	0.22	0.53	0.58	0.39	0.57	15.05	1.68
1883 . . . . .	0.70	1.43	1.88	1.63	1.20	0.52	0.30	0.22	0.18	0.39	0.42	0.44	9.31	1.09
1884 . . . . .	1.49	3.89	5.42	3.85	1.48	0.85	0.58	0.60	0.23	0.27	0.35	1.17	20.18	1.68
1885 . . . . .	1.79	1.81	2.05	2.03	2.18	0.86	0.47	0.54	0.34	0.68	2.41	2.39	17.55	2.03
1886 . . . . .	2.31	7.70	3.91	3.24	1.27	0.55	0.41	0.25	0.32	0.38	0.88	1.43	22.65	1.36
1887 . . . . .	3.16	3.61	3.60	3.75	1.89	1.27	0.87	1.35	0.48	0.57	0.71	0.91	22.17	3.27
1888 . . . . .	1.43	3.32	4.28	3.27	2.88	0.84	0.39	0.54	1.31	2.74	5.04	5.08	31.12	4.98
1889 . . . . .	4.51	1.83	1.60	2.27	2.18	1.80	1.33	2.05	1.06	1.21	2.49	3.06	25.48	5.65
1890 . . . . .	2.07	2.23	5.37	2.93	3.00	1.92	0.43	0.46	0.58	2.61	1.95	2.49	26.04	4.08
1891 . . . . .	6.29	5.97	7.21	3.43	1.40	1.01	0.42	0.44	0.42	0.58	0.56	0.87	28.60	1.86
1892 . . . . .	2.49	1.76	3.03	1.33	2.10	1.17	0.66	0.49	0.56	0.45	1.07	0.87	15.98	2.16
1893 . . . . .	0.75	2.14	4.52	2.72	4.42	1.04	0.47	0.69	0.41	0.55	0.71	1.27	19.69	2.12
1894 . . . . .	1.37	1.87	3.05	2.27	1.31	0.91	0.49	0.38	0.36	0.58	0.91	0.90	14.40	1.81
Totals . . . . .	37.01	51.57	67.07	43.73	33.74	17.95	9.73	10.93	8.58	13.29	21.03	27.23	341.86	42.53
Averages . . . . .	2.18	3.03	3.95	2.57	1.98	1.06	0.57	0.64	0.51	0.78	1.24	1.60	20.11	2.50

TABLE XXV.

Percentage of Rainfall Collected on Mystic Water-shed, 1878 to 1894.

YEAR.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Yearly.	4 months, July-Oct.
1878 . . . . .	62.6	69.2	125.0	38.6	322.9	29.6	13.5	14.8	17.7	14.3	30.8	74.9	47.8	14.9
1879 . . . . .	66.6	85.4	93.9	85.3	104.9	24.5	22.6	12.8	29.7	44.2	16.2	18.6	48.0	20.1
1880 . . . . .	64.9	60.1	78.4	68.8	47.3	34.3	9.2	14.7	31.7	13.5	22.9	23.8	35.5	13.5
1881 . . . . .	14.2	58.9	101.5	141.1	50.7	29.9	33.3	51.9	14.1	13.6	14.3	26.3	44.5	23.9
1882 . . . . .	24.8	64.8	168.4	55.0	40.4	38.6	14.9	20.8	6.3	30.0	22.2	25.5	38.4	12.3
1883 . . . . .	26.1	46.7	84.8	65.9	33.5	31.8	10.8	25.7	12.1	7.2	21.1	14.7	29.8	10.3
1884 . . . . .	31.5	63.9	127.3	121.2	50.2	18.3	15.5	12.4	33.5	9.9	17.4	25.6	45.5	14.0
1885 . . . . .	37.1	53.3	174.5	58.8	55.3	19.6	22.8	9.2	23.7	12.2	38.2	113.6	39.4	13.6
1886 . . . . .	36.6	107.3	101.9	154.3	43.0	35.5	11.1	7.8	10.7	13.4	21.7	29.7	49.7	10.7
1887 . . . . .	60.2	80.8	72.0	81.3	112.0	47.3	13.2	27.1	32.0	18.7	23.4	25.6	47.8	20.3
1888 . . . . .	35.2	101.3	82.5	115.2	56.6	38.1	17.5	8.8	15.3	55.3	73.6	96.4	54.8	22.7
1889 . . . . .	81.8	98.2	70.2	63.0	46.9	57.0	15.8	52.2	22.5	33.7	44.1	107.0	50.6	27.3
1890 . . . . .	75.6	66.0	80.4	121.8	47.6	56.9	19.0	12.7	15.6	29.5	141.2	53.5	52.8	22.1
1891 . . . . .	100.7	117.6	118.7	109.0	57.0	22.8	13.3	11.3	19.3	12.1	21.7	25.6	60.3	13.3
1892 . . . . .	55.0	58.5	75.7	163.6	37.5	28.3	25.7	10.2	27.7	24.3	23.1	75.2	40.9	19.2
1893 . . . . .	33.3	28.6	177.3	80.7	70.6	49.5	23.2	12.6	20.5	13.4	31.5	29.1	44.5	15.6
1894 . . . . .	34.8	56.5	280.1	65.4	25.3	125.8	14.2	15.1	14.3	10.5	26.0	22.7	36.7	12.9
Totals . . . . .	841.0	1217.1	2012.6	1589.0	1201.7	687.8	295.6	320.1	346.7	355.8	589.4	737.8	767.0	286.7
Averages . . . . .	49.5	71.6	118.4	93.5	70.7	40.5	17.4	18.8	20.4	20.9	34.7	46.3	45.1	16.9



1889 . . . . .	49,950	104,030,100	1,383,400	21,975	77,563,400	1,031,400	July . . . . .	8,940	47,645,200	633,600	July 13-19	3,446,800	45,800
1890 . . . . .	53,000	96,650,400	1,285,200	22,825	55,975,600	744,400	July . . . . .	2,480	8,064,500	107,200			
1891 . . . . .	49,520	98,865,500	1,314,700	14,330	13,608,900	181,000	July . . . . .	3,395	11,212,900	149,100			
1892 . . . . .	41,830	58,753,000	781,300	12,680	15,957,700	212,200	October . . . .	1,170	9,461,300	125,800			
1893 . . . . .	48,225	77,963,300	1,036,700	13,785	12,602,400	167,600	September . . .	1,735	8,126,700	108,100			
1894 . . . . .	39,740	57,937,800	770,400	13,265	16,856,900	224,200	September . . .	2,635	11,243,300	149,500			
Averages . . . . .	45,606	80,389,900	1,057,900	15,228	28,292,700	306,500							

## SUMMARY OF STATISTICS.

REPORT FOR 1894.

Boston Water-Works, Suffolk County, Massachusetts, supplies also the cities of Somerville, Chelsea, and Everett.

Population by census of 1890 :

Boston . . . . .	448,477
Chelsea . . . . .	27,909
Somerville . . . . .	40,152
Everett . . . . .	11,068

Total . . . . .	527,606
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Date of construction :

Cochituate Works . . . . .	1848
Mystic " . . . . .	1864

By whom owned. — City of Boston.

Sources of supply. — Lake Cochituate, Sudbury river, and Mystic lake.

Mode of supply. — Sixty-five per cent. from gravity works.  
 Thirty-five " " pumping "

## PUMPING.

	COCHITUATE.	MYSTIC.
Builder of pumping machinery . . . . .	Holly Mfg. Co., and Quintard Iron Works.	H. R. Worthington.

Description of coal used :

<i>a</i> Kind . . . . .	Bituminous.	Bituminous.
<i>c</i> Size . . . . .	Broken.	Broken.
<i>e</i> Price per gross ton, in bins . . . . .	\$4.40, \$4.52	\$4.45, \$3.85, \$3.75, \$5.25
<i>f</i> Per cent. of ash, . . . . .	7.4	11.2

	COCHITUATE.	MYSTIC.
Coal consumed for year, in lbs. . . . .	4,637,660	8,763,800
Total pumpage for year, in gallons . . . . .	3,795,830,595	3,751,418,700
Average dynamic head, in feet . . . . .	126.18	148.62
Gallons pumped per lb. of coal . . . . .	818.6	428.1
Duty in foot-lbs. per 100 lbs. of coal . . . . .	86,459,300	53,057,500



	COCHITUATE.	MYSTIC
Cost of pumping figured on pumping-station expenses, viz. : . . . . .	\$25,131.78	\$32,924.65
Cost per million gallons raised to reservoir . . . . .	\$6.62	\$8.777
Cost per million gallons raised one foot high . . . . .	\$0.052	\$0.059

CONSUMPTION.

Estimated population . . . . .	466,500	117,400
Estimated No. of consumers, . . . . .	460,000	116,000
Total consumption, gallons, . . . . .	16,994,405,800	3,752,970,500
Passed through meters . . . . .	4,077,196,000	735,110,000
Percentage metered . . . . .	24.0	19.6
Average daily consumption, gallons . . . . .	46,560,000	10,282,100
Gallons per day, each inhabitant . . . . .	99.8	87.6
Gallons per day, each consumer . . . . .	101.2	88.6
Gallons per day to each tap, . . . . .	679.2	442.1

DISTRIBUTION.

*Mains.*

	COCHITUATE.	MYSTIC.
Kind of pipe used, {	Cast-Iron.	Cast-Iron, Wrought-Iron, and Cement.
Sizes . . . . .	48 in. to 4 in.	30 in. to 3 in.
Extended, miles . . . . .	12.75	6.9
Total now in use . . . . .	572.80	173.7
Distribution-pipes less than 4-in., length, miles . . . . .	1.7	4.7
Hydrants added . . . . .	175	148
Hydrants now in use . . . . .	6,217	1,446
Stop-gates added . . . . .	193	156
Stop-gates now in use . . . . .	6,359	2,138

*Services.*

Kind of pipe used, {	Lead.	Lead and Wrought-Iron.
Sizes . . . . .	$\frac{5}{8}$ in. to 6 in.	$\frac{1}{2}$ in. to 4 in.
Extended, feet . . . . .	49,841	18,436
Service-taps added . . . . .	1,970	859
Total now in use . . . . .	68,556	23,257
Meters added . . . . .	291	33
Meters now in use . . . . .	4,337	494
Motors and elevators in use . . . . .	540	21

## BOSTON WATER BOARD,

*Organized July 31, 1876.*

- TIMOTHY T. SAWYER, from July 31, 1876, to May 5, 1879; and from May 1, 1882, to May 4, 1883.  
 LEONARD R. CUTTER, from July 31, 1876, to May 4, 1883. †  
 ALBERT STANWOOD, from July 31, 1876, to May 7, 1883.  
 FRANCIS THOMPSON, from May 5, 1879, to May 1, 1882. †  
 WILLIAM A. SIMMONS, from May 7, 1883, to August 18, 1885.  
 GEORGE M. HOBBS, from May 4, 1883, to May 4, 1885.  
 JOHN G. BLAKE, from May 4, 1883, to August 18, 1885.  
 WILLIAM B. SMART, from May 4, 1885, to March 18, 1889.  
 HORACE T. ROCKWELL, from August 25, 1885, to April 25, 1888.  
 PHILIP J. DOHERTY, from March 18, 1889, to May 4, 1891.  
 THOMAS F. DOHERTY, from August 26, 1885, to May 5, 1890; and from May 4, 1891, to present time.  
 ROBERT GRANT, from April 25, 1888, to July 18, 1893.  
 JOHN W. LEIGHTON, from May 5, 1890, to present time.  
 WILLIAM S. McNARY, from August 15, 1893, to November 5, 1894.  
 CHARLES W. SMITH, from January 23, 1895, to present time.

## ORGANIZATION OF THE BOARD FOR YEAR 1894.

*Chairman.*

THOS. F. DOHERTY.

*Secretary and Chief Clerk.*

WALTER E. SWAN.

*City Engineer and Engineer of the Board.*

WILLIAM JACKSON.

*Superintendent of the Western Division and Resident Engineer of Additional Supply.*

DESMOND FITZGERALD.

*Superintendent of the Eastern Division of Cochituate Department.*

WILLIAM J. WELCH.

*Superintendent of Mystic Division.*

EUGENE S. SULLIVAN.

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 † Deceased.



ANNUAL REPORT  
OF THE  
WIRE DEPARTMENT  
FOR THE YEAR 1894.

OFFICE OF THE COMMISSIONER OF WIRES,  
OLD COURT HOUSE, BOSTON, February 1, 1895.

HON. EDWIN U. CURTIS,  
*Mayor of the City of Boston:*

SIR: I respectfully submit the first annual report covering the expenses of and work done by the Wire Department from its organization, August 4, 1894, to February 1, 1895.

The duties of the office are many and far-reaching. They are as follows:

To have all wires, cables, and conductors in the city north of Dover and Berkeley streets and between the Charles river, the harbor, and Fort Point channel, placed, maintained, and operated underground.

To supervise and inspect all wires, cables, and conductors in the whole city, whether underground or overhead.

To designate in the whole city the distances between overhead electric wires, cables, and conductors.

To regulate the direction in which such wires, cables, or conductors shall be run.

The keeping and maintenance of all structures, especially those placed upon any roof, for the support of wires or cables, in a manner satisfactory to the Commissioner of Wires.

To abate or remove any electrical danger which the Commissioner of Wires deems likely to result from the requirements of the law not being complied with.

The maintenance of all wires at least eight feet above the highest parts of all buildings over which wires run.

To decide on requests for exemption of wires and cables from going underground, and of poles, supports, etc., from removal.

The inspection of all wires, as to whether they are suitable, strong, and sufficiently insulated.

The protection of all wires on entering buildings by fuses.

The inspection of all wires carrying electric-light currents within buildings, electric plants, etc.

To see that all wires are tagged with the owner's name.

The removal of all dead and abandoned wires.

The department came into being August 4, 1894. The work was divided as follows:

(a.) The supervision and inspection of underground electric subways. This covers all trench-work; the laying of underground electric conduits; the inspection of all underground cables and wires as to insulation, carrying capacity, conductivity, etc., and the electric or power plants furnishing the current.

(b.) The examination of the interior wiring of all buildings, especially such wires as carry electric power or lighting currents; the inspection of fuses; the investigation of fires and accidents caused by electricity.

(c.) The inspection of all overhead construction, as regards wires, cables, structures, poles, etc.

(d.) The removal of all dead and abandoned wires, and the inspection of the tagging of all wires with the owner's name.

(e.) The electrical engineering and clerical work, and the preparing of necessary maps and plans.

#### UNDERGROUND.

The first duty of the department was the placing of the wires underground, as called for by law, as speedily as possible. The district prescribed for 1894 was that bounded southerly by Dover street; thence through Tremont street to LaGrange street; thence through LaGrange street to Washington street; thence through Washington street to Beach street; thence through Beach street to Kingston street; thence through Kingston street to Essex street; thence through Essex street and across Federal street to the water front; thence along the Harbor Commissioners' line to the Dover-street drawbridge. It contained about 8,306,000 square feet, — a little less than one-fifth of the area of the

section of the city within which the wires were to go underground before 1900.

A thorough survey of the overhead wires, cables, conductors, structures, poles, etc., in the prescribed district for 1894, was made. The result was so important that a detailed report is submitted:

REPORT OF WIRES, POLES, FIXTURES, ETC., IN THE  
PRESCRIBED DISTRICT FOR 1894.

COMPANIES, ETC.	Poles.	Fixtures.	Arms.	Outriggers.	Blocks.	Wire on Poles (in feet).	Wire on Fixtures (in feet).	Lamp-posts.	Feed Wire (in feet).	Guard and span wires (in feet).
New England Tel. & Tel. Co. . . . .	95	40	616	60	70	237,300	105,600	..	..	..
American Bell Telephone Co. . . . .	16	..	159	..	..	113,500	..	..	..	..
Boston Electric Light Co. . . . .	64	65	408	99	..	389,550	166,600	83	..	..
West End Street Ry. Co. . . . .	392	..	284	..	..	..	..	..	91,500	56,800
Police Signal Service . . . . .	..	1	5	7	..	50,100	16,200	..	..	..
Western Union Telegraph Co. . . . .	109	5	691	..	..	165,650	10,000	..	..	..
Mutual District Messenger Co. . . . .	..	..	..	..	34	6,450	32,400	..	..	..
Boston District Messenger Co. . . . .	..	..	..	..	29	8,000	28,600	..	..	..
New England Telegraph Co. . . . .	20	1	63	..	..	33,000	2,000	..	..	..
Fire Alarm . . . . .	1	27	67	20	..	103,950	52,800	..	..	..
Suburban Light and Power Co. . . . .	3	13	27	29	..	11,550	32,400	..	..	..
Automatic Fire Alarm Co. . . . .	..	15	40	1	..	1,250	37,000	..	..	..
United States Fire Signal Co. . . . .	..	10	20	1	..	4,950	3,200	..	..	..
Auxiliary Fire Alarm Co. . . . .	..	..	3	..	..	1,200	4,600	..	..	..
New England Printing Co. . . . .	..	2	8	..	..	..	13,000	..	..	..
Boston & Albany R.R. Co. . . . .	..	4	8	..	..	..	8,000	..	..	..
Old Colony R.R. Co. . . . .	..	7	21	..	..	..	8,000	..	..	..
Miscellaneous . . . . .	..	..	..	..	..	25,000	700,000	..	..	..
Unknown . . . . .	..	..	..	..	..	65,250	150,000	..	..	..
Cables . . . . .	..	..	..	..	..	6,750	3,000	..	..	..
Boston Electric Protective Association . . . . .	..	..	..	..	..	..	3,000	..	..	..
Holmes Electric Protective Co. . . . .	..	..	..	..	..	..	2,000	..	..	..
Dead . . . . .	25	50	..	..	..	125,000	2,300,000	..	..	..
Totals . . . . .	725	240	2,420	217	133	1,348,450	3,677,800	83	91,500	56,800

TOTALS OF WIRES, POLES, FIXTURES, ETC., IN THE  
DISTRICT PRESCRIBED FOR 1894.

	Feet.
Wires on poles . . . . .	1,348,450
Wire on fixtures . . . . .	3,677,800
Feed wires . . . . .	91,500
Guard and span wires . . . . .	56,800
Total . . . . .	5,174,550

Poles . . . . . 725	Outriggers . . . . . 217
Fixtures . . . . . 240	Blocks . . . . . 133
Arms . . . . . 2,420	Lamp-posts . . . . . 83

Of the 1,348,450 feet of wire on poles, 125,000 feet was dead, and of the 3,677,800 feet of wire on fixtures, 2,300,000 feet was dead; or a total of 2,425,000 feet of dead wire in the district prescribed for 1894.

The amount of electric wire of all kinds overhead, by this report, is shown to be about 5,174,550 feet. From an engineering stand-point the construction was bad and dangerous to life and property.

Plans were prepared of the wires, cables, conductors, structures, and poles in the district, showing how every wire and cable was run, and every pole and structure placed, also the owner. The task was difficult, and a similar one has never been attempted elsewhere to my knowledge.

While this survey was in progress, many hearings were held with the corporations and individuals who had wires in the district, and plans were perfected by which the wires could be placed underground. It was September 5 before definite arrangements were made and the work commenced. The law said the work should be done before January 1, 1895, thus allowing only four months for building the necessary subways. The law was, doubtless, intended to go into effect sufficiently early to have taken advantage of the summer months. That it did not, was a serious drawback; but, in spite of this fact, the wires are underground, except in some isolated cases.

Boston is somewhat behind other cities in making a beginning of placing electric conductors underground. The delay has been profitable in one way. It has made possible the adoption of a subway construction based upon the experi-

NOTE. — In estimating the amount of dead wire, considerable of it was found to belong to companies and individuals, and portions have been removed from time to time by the supposed owners.

ence of those who have gone before. All the companies in the main have built after the same methods.

The subway proper is of ducts or pipes made of sheet iron and lined with cement, leaving an opening three inches in diameter. These are laid in concrete, and wood placed around the concrete as a protection. Manholes with iron covers are placed along the line of the ducts, and the insulated, lead-covered cables which carry the electric current are drawn through the ducts from manhole to manhole. The separate lengths of cable are jointed together in each manhole. Beyond this point the construction varies according to the service required.

The details of the type of conduits, cables, insulation, drawing-in of cables, distribution, etc., will be found in the special reports covering the work of the various companies.

I am of the opinion that the placing of electric wires underground was commenced in Boston not a moment too soon. The improved construction of subways and the insulation of underground conductors lessens the dangers to life and property from electricity far more so than our present overhead construction.

The possible defect of electric subways in Boston is the presence of gas. Experience elsewhere, it is claimed, shows that the gas comes from leaky mains in the street. We have good gas main construction in Boston. The danger from gas in the subways is thus reduced to a minimum. If trouble come from this source, however, it can be corrected. Various methods have been tried in New York, Philadelphia, and other cities, such as ventilation through electric-light poles, etc., driving the gas out by blowers, and again by maintaining an air pressure in the ducts sufficient to prevent gas entering from the outside. The latter method is pursued in New York with satisfactory results.

The companies in our city have not taken any action to prevent gas in the subways other than constant inspection. They have agreed, however, to meet the difficulty if it arise. We have had, since the organization of the Wire Department, one explosion in the subways, and that was traced to a leak in the gas main.

As regards electrolysis, steps have been taken by the West End Railroad, in connection with return wires in their subways, which promises to further obviate that danger.

THE UNDERGROUND ELECTRICAL WORK DONE IN THE  
PRESCRIBED DISTRICT FOR 1894.

The length of trench dug since September 5 is 48,817 feet.

The number of feet of single duct for telegraph and telephone service is 9,348. This includes distribution service connections. Reckoning 240 wires to each duct, the capacity of these ducts is 2,243,520 feet of single wire.

The number of feet of single-duct conduit for arc lighting and power service is 387,845. The maximum total capacity of this conduit is 2,080,206 feet of cable.

The amount of cable drawn through the ducts is 327,728 feet.

The streets through which subways have been laid are as follows :

Dover, Albany, Harrison avenue, Shawmut avenue, Tremont, Ferdinand, Columbus avenue, Park square, Boylston, Essex, Winchester, Pleasant, Castle, Castle square, Broadway, Columbia, Bedford, Summer, Atlantic avenue, Federal, Summer-street extension, Gilbert place, Kneeland, Eliot, Kingston, South, Waterford, Tufts, Beach, Harvard, Oak, Curve, Indiana place, Hollis, Way, East, Essex place, Lincoln, LaGrange, Florence, Chapman, and Albion.

Sheet 1 is a map of the 1894 district, with all the underground subways which were built to relieve it of overhead wires. In opening the streets one opening only was made in each street for all parties who were building subways. The result was the least possible inconvenience to the public.

The following tables show the work supervised by the underground division in the whole city :







## SUMMARY OF THE WORK TO FEBRUARY 1, 1895.

(Inside the 1894 district.)

COMPANY.	Number of Permits.	Feet of Duct.	Feet of Cable.	Number of Man-holes.	Number of Service Connections.
Boston Electric Light Co. ....	150	201,926	158,244	148	97
West End Street Railway Co. ....	17	185,819	101,073	35	6
N.E. Tel. and Tel. Co. ....	37	8,586	58,041	21	34
Edison Electric Illuminating Co. .	15	520	520	.....	10
Boston Fire Department . . . . .	20	1,371	9,910	.....	19
Boston Police Department. ....	16	.....	.....	.....	.....
Totals . . . . .	255	398,222	327,788	204	166

NOTE.—The above table embraces, in addition to the work within the district boundaries, that work in the vicinity of the district which was necessary for the completion of the system.

## SUMMARY OF THE WORK TO FEBRUARY 1, 1895.

(Outside the 1894 district.)

COMPANY.	Number of Permits.	Feet of Duct.	Feet of Cable.	Number of Man-holes.	Number of Service Connections.
Boston Electric Light. Co. ....	2	12,013	28,919	.....	4
N. E. Tel. and Tel. Co. ....	60	67,825	75,057	59	89
Edison Electric Illuminating Co. .	150	4,749	4,749	.....	98
U. S. Sub-Treasury Dept. ....	1	1,403	1,410	5	1
Boston & Maine R.R. ....	1	700	700	.....	1
Boston Fire Department . . . . .	3	220	.....	.....	3
Postal Telegraph Cable Co. ....	2	5	600	.....	1
F. M. Farrin. ....	1	2,690	2,690	.....	1
Totals . . . . .	220	89,605	114,125	64	198

## SUMMARY OF THE WORK TO FEBRUARY 1, 1895.

(Inside and outside the 1894 district.)

COMPANY.	Number of Permits.	Feet of Duct.	Feet of Cable.	Number of Man-holes.	Number of Service Connections.
Boston Electric Light Co. ....	152	213,939	187,163	148	101
West End Street Railway Co. ....	17	185,819	101,073	35	6
N. E. Tel. and Tel. Co. ....	97	76,411	133,098	80	123
Edison Electric Illuminating Co. .	165	5,269	5,269	.....	108
Boston Fire Department .....	23	1,591	9,910	.....	22
Boston Police Department. ....	16	.....	.....	.....	.....
U. S. Sub-Treasury Department. .	1	1,403	1,410	5	1
Boston & Maine R.R. ....	1	700	700	.....	1
Postal Telegraph Cable Co. ....	2	5	600	.....	1
F. M. Farrin. ....	1	2,690	2,690	.....	1
Totals .....	475	487,827	441,913	268	364

All companies and individuals owning wires within the district for 1894 have been ordered, commencing with January 1, 1895, to remove the wires, cables, conductors, poles etc., which are not exempted by law. At the present time, in spite of the stormy weather, considerable progress has been made, and over one-half of the overhead wires have been removed.

Many difficulties have been met with, apart from the shortness of the time, by the companies in placing their wires underground. It is a new business in Boston; consequently the drawing-in of the cables, the making connections, and the testing of the conductors have, naturally, been at times slow. Other difficulties have been delays in receiving pipes and cable. As fast as these troubles have been overcome and the underground circuits completed, the overhead circuits are taken down.

At the present time the cables of all companies are drawn through the ducts, and with the exception of connecting up in some cases, are ready for service. The exceptions to this rule are :

The Suburban Light and Power Company. Subways completed and cable drawn in, but not connected up. They have about 10,000 feet of wire overhead to remove.

The wires of the Police Department, which are not as yet placed in the subways.

Boston Electric Light Company subway complete; about 1½ out of 31½ miles of underground cable yet to be drawn through the ducts.

West End R.R. subway complete; a total of about two out of twenty-one miles of feed cable to be drawn through the ducts.

The Police Department have made a beginning of their work by placing posts for their boxes, which are to be connected to their underground service.

In both the case of the West End Railroad and the Boston Electric Light Company, two days will be sufficient to draw in the balance of their underground cable.

As regards the removal of overhead wires, so much progress has been made that only a few weeks longer will be necessary to take down all overhead wires in the district for 1894. Up to February 1 about 3,000,000 feet of wire has been removed, and some poles.

ESTIMATE AMOUNT OF WIRE REMOVED UP TO FEBRUARY 1, 1895.

	Feet.
Boston Electric Light Co. . . . .	300,000
New England Telephone & Telegraph Co. . . . .	300,000
Police Signal Service . . . . .	37,600
Wire Department, dead wire removed . . . . .	600,000
Western Union Telegraph Co. . . . .	211,000
Mutual District Messenger Co., removed by Wire Department . . . . .	35,000
Boston District Messenger Co. . . . .	39,600
New England Telegraph Co. . . . .	38,000
Fire Alarm Branch, Boston Fire Department . . . . .	105,600
Boston Automatic Fire Alarm Co. . . . .	8,000
Boston Auxiliary Fire Alarm Co. . . . .	3,000
New England Printing Telegraph Co. . . . .	13,000
Old Colony Railroad Co. . . . .	5,000
Miscellaneous . . . . .	1,000,000

Police Department have substituted overhead cable for wire removed.

## POLES REMOVED UP TO FEBRUARY 1, 1895.

Eliot street . . . . .	5	Essex street . . . . .	1
Albany street . . . . .	21	South street . . . . .	5
Hudson and Edinboro' streets . . . . .	23	Kneeland street . . . . .	1
Kingston street . . . . .	3	Castle street . . . . .	8
Beach street . . . . .	1	Troy street . . . . .	4
Harrison avenue . . . . .	1	Total . . . . .	73

A detailed report is here submitted, showing the overhead wire removed and subway-work done in the prescribed district.

## CONDITION OF THE DISTRICT OF 1894 ON FEBRUARY 1, 1895.

West End Street Railway Company: Subway complete and 11,500 feet of the underground system in use.

All feed wires to be removed; also all poles except those supporting the trolley wires.

Began taking down overhead wires January 31. Total amount of overhead wire to be removed, 17.897 miles.

The subway work of the West End Railroad consists of a main line on Albany street and Kingston street from the central power station to Summer street;

A branch of the lines on Dover street from Albany street to the water line;

From Albany street along Broadway, Pleasant street and Shawmut avenue to Warrenton street;

From Kingston street along Essex, Washington, and Boylston streets to Tremont street;

A short temporary line on Summer street, near Otis street, for supplying the section of the city north of the prescribed district for 1894.

The total amount of work done consists of 35 manholes, 9,215 feet of trench, 185,819 feet of duct. This latter includes six connections from the underground service to the poles and to three terminal points.

The total amount of cable placed underground by the West End Railroad is 101,073 feet; leaving 10,560 feet to be drawn in. The conduits are to be used for the feed and return wires carrying current for the trolley cars, one or more ducts of the system being reserved for the telephone service of the company, and possibly for a service in connection with the prevention of gas in the ducts.

The following parties did the work:

National Conduit Manufacturing Company, construction of underground conduits.

Walworth Manufacturing Company, construction of bridge conduit.

West End Street Railway Company, construction of manholes, and distribution system.

Norwich Insulated Wire Company, cable-drawing.

Boston Electric Light Company, construction of subway on Shawmut avenue.

Standard Underground Cable Company, cable drawing.

The subways consist of a series of cement-lined pipes laid in concrete, at a depth varying from three to ten feet below the level of the street. The manholes are located at an average distance apart of about 250 feet. The actual distance between two consecutive manholes varies from 40 to 460 feet, and is regulated by conditions of grading, obstruction, and convenience.

The manholes are built of common brick and cement, generally extending a foot below the bottom of the conduit. Average size of manhole, 6 ft.  $\times$  6 ft.  $\times$  6 ft. with an 8-in. wall and 3-in. concrete bottom. Tar, tar-paper, and concrete are used for protection against water. For service connections and bridge conduits, wrought-iron pipes without concrete protection are employed. The system is graded toward the manholes to prevent the accumulation of water in the ducts. The following are the number of ducts in the system :

Albany street, from power station to Dover street	. . . . .	34
“ “ “ Dover street “ Broadway	. . . . .	29
“ “ “ Broadway “ Beach street	. . . . .	26
Kingston street, from Beach street to Essex street	. . . . .	25
“ “ “ Essex street to Summer “	. . . . .	22
Summer “ at Kingston street	. . . . .	22
“ “ “ Otis street “	. . . . .	12
Dover “	. . . . .	8
Broadway	. . . . .	4
Pleasant street	. . . . .	4
Shawmut avenue	. . . . .	4
Essex street	. . . . .	6
Across Washington street, from Essex to Boylston	. . . . .	6
Boylston street	. . . . .	6

Three kinds of cable are used — feed, return, and telephone. The feed cables are supplied by two different firms. The Norwich Insulated Wire Company furnishes a 500,000 cir. mil cable, with paper insulation and lead sheathing. The Standard Underground Cable Company also furnishes a

500,000 cir. mil cable, with fibre insulation and lead sheathing. The connections in the manholes are simple soldered joints, connection boxes not being employed. The return cable employed is the fibre insulated 500,000 cir. mil cable now used as overhead feeders.

The specifications for feed cable called for pure copper of conductivity of 99½ per cent. and an insulation resistance of not less than 1,500 megohms per mile, tested after laying jointing, etc.

The results of tests for insulation resistance upon nine specimens, each about one-fourth of a mile in length, show an average of 2,996 megohms per mile, at a temperature of 39° Fahrenheit. The cable showing maximum insulation gave 5,845 megohms per mile, at 33° F. The minimum was 1,729 megohms, at a temperature of 47° F.

Tests made upon two miles of their telephone cable showed an insulation resistance of 3,000 megohms per mile, at 40 degrees F. The electrostatic capacity of each pair of conductors in the cable was found to be .10 of a microfarad per mile.

The method of distribution consists in carrying an iron pipe from the manhole to the pole at which the service connection is to be made. The pipe is then continued up by the side of the pole to a switch-box from which an insulated wire makes connection to the trolley wire. A cable is then drawn into this pipe, completing the connection between the switch-box and the manhole, and at the latter point is jointed to one of the main line cables. An underground connection is also made at each manhole from the return wire in the ducts to the nearest point of the track. A cable is run through after the same principle as employed by the New England Telephone Company and connected to the sheathing of every cable at each manhole, for the purpose of preventing damage by electrolysis in the ducts. In addition a coating of tin is used over the lead for the same purpose.

#### BOSTON ELECTRIC LIGHT COMPANY.

The conduits are employed for carrying wires used for electric light and power. The conduit used was that of the National Conduit Manufacturing Company. The work of construction of the subway, including manholes, distribution system, cable-drawing, etc., was done by the Boston Electric Light Company. The subways are similar to those used by the West End Street Railway Company.

The distribution consists in carrying iron pipe from the manholes to the poles or buildings at which service connec-



tions are to be made. In connecting lamp-post the cable is drawn up to the carbons through the pole. Where the pole is at a distance from the conduit, a small manhole is built at the foot of the pole for convenience in cable-drawing.

The cables used are rubber-insulated and fibre-insulated, with lead sheathing. No. 6 is used for arc circuits, and for incandescent and power purposes Nos. 00 and 0000. The Safety Insulation Wire Company, the Washburn & Moen Company, and the Habirshaw Wire Company, supply the cable.

The amount of cable in the ducts is 158,244 feet, leaving 8,000 feet to be drawn in to complete the work. Of this, 47,520 feet was made necessary in order to establish trunk-line connections between the two stations, and relieve Eliot and Kneeland streets of wires and poles.

Seven underground circuits are now in use, the first being successfully operated January 1, 1895. Three hundred thousand (300,000) feet of overhead wire have already been removed, and the remainder is in process of removal.

The specifications for cable require that the conductivity of the copper be 98 per cent. of that of pure copper. The cable, before being sheathed, to be tested in water at 65° F., and to show an insulation resistance of 1,500 megohms per mile for the series arc conductors, and 800 megohms per mile for the alternating current conductors.

Tests have been made on 7 cables spliced in the ducts, the lengths tested varying from .75 of a mile to 3.5 miles.

The results show an average insulation resistance of 2,294 megohms per mile for arc conductors, and 1,152 megohms per mile for alternating current conductors.

The ducts are laid in the following streets :

Ferdinand . . . . .	4, 20, 30	Eliot . . . . .	4
Summer . . . . .	10, 25, 30	Winchester . . . . .	4
Atlantic avenue . . . . .	30	Pleasant . . . . .	4
Gilbert place . . . . .	20	Castle square . . . . .	4
Boylston . . . . .	12, 16, 18	Castle . . . . .	4
Park square . . . . .	20	Tremont . . . . .	2, 4
Columbus avenue . . . . .	20	Shawmut avenue . . . . .	2
Washington . . . . .	8, 12	Harrison avenue . . . . .	2
Essex . . . . .	8, 10	South . . . . .	2
Columbia . . . . .	8	Waterford . . . . .	1
Bedford . . . . .	8	Tufts . . . . .	1
Federal . . . . .	4, 8	Beach . . . . .	1
Broadway . . . . .	5	Harvard . . . . .	1
Dover . . . . .	5	Oak . . . . .	1
Albany . . . . .	4	Curve . . . . .	1
Kingston . . . . .	4	Indiana place . . . . .	1
Kneeland . . . . .	4	Hollis . . . . .	1

A single duct (1) indicates a service connection.

The feet of trench dug was about 30,460, and 201,926 feet of conduit was laid. Of this work about one-third of the trench and at least one-half of the pipe is outside the prescribed district for 1894, and in the neighborhood of the power stations of Ferdinand street and Gilbert place. This latter work was made necessary in order to connect with the power-houses. One hundred forty-eight manholes are included in the subway and the iron conduits across seven railroad bridges.

Of the distribution system, 98 service connections, including ten manholes and several thousand feet of iron pipe, have been completed.

I submit tables showing the rate of progress in building underground subways from week to week; also the progress made in drawing in cables by the West End Railroad and the Boston Electric Light Company.

### PREScribed DISTRICT FOR 1894.

TABLE SHOWING PROGRESS OF CONDUIT CONSTRUCTION.

#### *West End Street Railway Company.*

DATE.	Work completed.		Per cent. of Total.	
	Running Feet of Subway.	Feet of Duct Laid.	Subway.	Duct.
<b>1894.</b>				
From Sept. 7 to Sept. 30 .....	2,568	69,976	27.9	37.7
Sept. 30 to Oct. 7.....	596	10,777	6.4	5.8
Oct. 7 to Oct. 14 .....	942	13,717	10.2	7.4
Oct. 14 to Oct. 21 .....	1,111	23,245	12.1	12.5
Oct. 21 to Oct. 28 .....	1,587	41,793	17.2	22.5
Oct. 28 to Nov. 4.....	1,234	5,697	13.4	3.1
Nov. 4 to Nov. 11 .....	638	14,038	6.9	7.6
Nov. 11 to Nov. 18.....	164	1,388	1.8	0.7
Nov. 18 to Nov. 25 .....				
Nov. 25 to Dec. 2 .....				
To end of Dec. 4 .....	375	4,920	4.1	2.7
Total .....	9,215	185,551	100.0	100.0

*Boston Electric Light Company.*

DATE.	Work Completed.		Per cent. of Total.	
	Running Feet of Subway.	Feet of Duct Laid.	Subway.	Duct.
<b>1894-95.</b>				
From Sept. 5 to Sept. 30.....	3,510	13,540	11.5	6.9
Sept. 30 to Oct. 7 .....	1,707	9,090	5.6	4.6
Oct. 7 to Oct. 14 .....	2,451	14,298	8.0	7.2
Oct. 14 to Oct. 21.....	3,684	17,430	12.1	8.8
Oct. 21 to Oct. 28 .....	3,539	17,150	11.6	8.7
Oct. 28 to Nov. 4.....	2,828	12,343	9.3	6.2
Nov. 4 to Nov. 11 .....	1,330	7,868	4.4	4.0
Nov. 11 to Nov. 18 .....	1,381	11,362	5.5	5.8
Nov. 18 to Nov. 25.....	2,288	20,723	7.5	10.5
Nov. 25 to Dec. 2 .....	2,002	19,222	6.6	9.7
Dec. 2 to Dec. 9 .....	2,087	16,216	6.9	8.2
Dec. 9 to Dec. 16 .....	573	14,990	1.9	7.6
Dec. 16 to Dec. 23 .....	1,032	12,598	3.4	6.4
Dec. 23 to Dec. 30 .....	1,241	5,802	4.1	2.9
Dec. 30 to Jan. 6.....	557	2,188	1.8	1.1
Jan. 6 to the end of Jan. 14	250	2,825	0.8	1.4
Totals .....	30,460	197,645	100.0	100.0

PROGRESS OF CABLE-DRAWING.  
*West End Street Railway Company.*

DATE.	Feet of Cable Drawn.			Per cent. of Feed Cable Drawn.
	Feed.	Ground.	Telephone.	
<b>1894-1895.</b>				
From Nov. 28 to Nov. 30.....	4,395	.....	.....	4.5
Nov. 30 to Dec. 6.....	.....	.....	.....	.....
Dec. 6 to Dec. 13.....	7,021	.....	.....	7.2
Dec. 13 to Dec. 20.....	11,333	5,404	.....	11.6
Dec. 20 to Dec. 25.....	5,382	2,540	.....	5.5
Dec. 25 to Jan. 14.....	.....	.....	.....	.....
Jan. 14 to Jan. 21.....	24,330	.....	2,980	24.9
Jan. 21 to Jan. 28.....	24,065	.....	1,755	24.6
Jan. 28 to Feb. 1.....	10,643	.....	1,225	10.9
Totals up to the end of Jan. 31, 1895.....	87,169	7,944	5,960	89.2

Total amount of feed cable to be drawn in, 97,729 feet.  
Amount remaining to be drawn in, 10,560 feet.

*Boston Electric Light Company.*

DATE.	Number of Feet of Cable Drawn.	Per cent. of Total Cable.	Kinds of Cable.
<b>1894-1895.</b>			
From Dec. 3 to Dec. 10 .....	24,150	14.5	No. 6.
Dec. 10 to Dec. 17 .....	13,128	7.9	Nos. 6, 00, 0000.
Dec. 17 to Dec. 24 .....	15,250	9.2	Nos. 6, 0000.
Dec. 24 to Dec. 31 .....	11,520	6.9	No. 6.
Dec. 31 to Jan. 7.....	12,349	7.4	No. 6.
Jan. 7 to Jan. 14.....	11,440	6.9	Nos. 6, 0000.
Jan. 14 to Jan. 21.....	24,227	14.6	Nos. 6, 00, 0000.
Jan. 21 to Jan. 28.....	20,480	12.3	Nos. 6, 00, 0000.
Jan. 28 to Feb. 1.....	12,700	7.6	No. 0000.
	145,244	87.3	
Service connections.....	13,000	7.8	Nos. 6, 0000.
Totals .....	158,244	95.1	

Total amount of cable to be drawn in, 166,244 feet.

Amount remaining to be drawn in at the end of January 31, 1895, 8,000 feet.

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY.

The conduit is used for carrying telephone cables of this company, also the fire-alarm cables of the Boston Fire Alarm Department.

Several kinds of duct have been used, viz.: wooden, vitrified clay, wrought-iron and cement-lined pipe.

Within the prescribed district of 1894, cement-lined pipe only is used at the present time for conduit, and cement-lined pipe and wrought-iron pipe are employed for service connctions.

The main conduit is of the same character as that of the West End Street Railway Company and the Boston Electric Light Company.

The New England Telephone & Telegraph Company has a somewhat more complicated distribution system than have

the West End and Boston Electric Light companies, owing to the fact that each telephone user must have a separate pair of wires; while in the case of electric current for lighting or power purposes, a single pair of wires can supply a large number of customers.

The Telephone Company uses wrought-iron pipe without concrete for its subsidiary ducts. The pipe leads from the nearest manhole to the side of a building, where it bends upward and is run up the wall to a sufficient height to protect the cable from mechanical injury. The cable is continued to a distribution box on the wall or roof, whence wires are led across the roofs or along the walls to the several subscribers in the block.

The cable mainly used by this company is of paper insulation and lead sheathed.

The number of pairs of wires in the cables varies from ten to one hundred and ten.

The work of this company in the district of 1894 consists of the construction of conduit on the following streets:

South street, 2 ducts.		Washington street, 2 ducts.
Kneeland street, 2 ducts.		Hollis street, 2 ducts.
Oak street, 2 ducts.		Dover street, 6 ducts.
Essex st., 1, 2, and 3 ducts.		Knapp street, 1 duct.

The conduit completed connects with previously constructed subway on these and intersecting streets.

All the work, including subway construction and cable drawing, was done by the New England Telephone & Telegraph Company.

The total amount of work done is as follows:

76,411 feet of duct laid.  
133,098 feet of cable drawn.  
80 manholes constructed.

Of this, the following was done within the boundaries of the district of 1894:

8,586 feet of duct laid.  
58,041 feet of cable drawn.  
21 manholes constructed.

The subway-work is complete and the work of removing overhead wires is well under way. Three hundred thousand (300,000) feet of overhead wire have been removed. The few poles and wires now remaining are being rapidly removed.

*Edison Electric Illuminating Company.* — Subway completed. No poles or overhead wires remaining in district.

*Police Signal Service.* — No action yet taken but the placing of poles for signal-boxes. Thirty-seven thousand six hundred feet of overhead wires removed.

*Boston Fire Department.* — Subway completed and underground cable in service; part of overhead wires removed, and remainder being rapidly taken down; 105,600 feet of overhead wires have been removed.

*Western Union Telegraph Company.* — Subway already complete; wires all removed. Two hundred and eleven thousand feet.

*Postal Telegraph Company.* — A submarine cable 600 feet in length has been laid across Fort Point channel at Congress street. All wires (1,000 feet) removed; using underground subways already built on Congress street, State street, Devonshire street, Franklin street, Merchants row, Broad street, and Atlantic avenue.

*Boston District Messenger Company.* — Thirty-nine thousand six hundred feet of wire has been removed, leaving about six hundred feet overhead. Application made for temporary retention of this remaining wire. Taken under advisement.

*Mutual District Messenger Company.* — Notified to remove overhead wires, which is now partially done. Company has applied for exemption, and case is taken under advisement. Wire Department removed 35,000 feet.

*Suburban Light and Power Company.* — Permission granted this company by the Commissioner of Wires to place its wires in the ducts of the Boston Electric Light Company. Application made for the retention of its overhead circuits while the underground connections are being made. Taken under advisement. Ten thousand feet not removed.

*Electric Time Company.* — Gone out of business. All wires (fifteen thousand feet) removed.

*United States Fire Signal Company.* — Consolidated with the Automatic Fire Alarm and Extinguisher Company under the name of Boston Automatic Fire Alarm Company, which see.

*Boston Protective Department.* — Wires in charge of Boston Automatic Fire Alarm Company, which see. Eight thousand feet removed.

*Pulsion Telephone Company.* — Wires in process of removal by order of the Commissioner of Wires. One thousand feet removed.

*Holmes Electric Protective Company.* — Portion of over-

head wires removed. Company has asked for exemption for the remainder and case is taken under advisement. Two thousand feet removed.

*Holmes Burglar Alarm Company.* — Company out of business, and wires owned by Holmes Electric Protective Company, which see.

*Commercial Cable Company.* — Wires (ten thousand feet) all removed.

*Boston Electric Protective Association.* — Wires nearly all removed. Exemption of one circuit near LaGrange street applied for. Taken under advisement. Ten thousand feet removed.

*Boston Auxiliary Fire Alarm Company.* — Portion of wires removed. Temporary exemption for one remaining circuit applied for until underground connections are complete. Case taken under advisement. Three thousand feet removed.

*Automatic Fire Alarm and Extinguisher Company.* — Consolidated with the U.S. Fire Signal Company under the name of Boston Automatic Fire Alarm Company, which see.

*Boston Automatic Fire Alarm Company.* — Notified to remove overhead wires. Portion of wires removed. Company has applied for exemption. Case taken under advisement. Eight thousand feet removed.

*New England Printing Telegraph Company.* — Gone out of business. Wires (thirteen thousand feet) all removed. Fixtures soon to be taken down.

*New England Telegraph Company.* — Wires (thirty-eighty thousand feet) all removed from district. Poles in process of removal. Permission granted this company by the Commissioner of Wires to occupy ducts owned by the Postal Telegraph Cable Company in place of its overhead circuits. The ducts occupied are on Congress, Franklin, Devonshire and State streets.

*American Telephone and Telegraph Company.* — (Long Distance Telephone.) Especially exempted by the terms of Chapter 454, Acts of 1894. This company has a short line of poles crossing a portion of the 1894 district.

*Stock Quotations Telegraph Company.* — Portion of wires removed; balance now being taken down by order of the Commissioner of Wires.

*General News Company.* — Wires all removed.

*Old Colony Railroad Company.* — All wires now on private property. Others all removed.

*Boston & Albany Railroad Company.* — All wires on private property.

*United States Hotel.* — Notified to remove its one wire on



East street. Has applied for exemption, and case is taken under advisement.

*Temple House.* — Two private wires (ten thousand feet) removed.

*Bay State Trust Company.* — Notified to remove overhead wires. Company has asked for exemption, and case is taken under advisement.

*Franklin Savings Bank.* — Notified to remove overhead wires. Company has applied for exemption, and case is taken under advisement.

*Home Savings Bank.* — Notified to remove overhead wires. Company has applied for exemption, and case is taken under advisement.

*Union Institution for Savings.* — All wires are on private land.

*French Cable Company.* — Wires (five thousand feet) removed.

*Fascon & Co.* — Wires all on private land.

*Jones Brewing Company.* — Wires transferred to private land.

*L. Jones & Co.* — Notified to remove overhead wires. Have asked for exemption. Case taken under advisement.

*Emergency Hospital.* — Notified to remove overhead wires. Not removed.

*J. S. Meader.* — Notified to remove overhead wires. Wires moved upon private land.

*C. W. Hamilton.* — All wires within district of 1894 are on private land.

*Bradley Fertilizer Company.* — Notified to remove overhead wires. Wires removed to private land.

*L. G. Burnham & Co.* — Notified to remove overhead wires. Wires removed to private land.

*Felton & Sons.* — Notified to remove overhead wires. Wires removed to private land.

*R. Hollings & Co.* — Wires being removed by order of the Commissioner of Wires.

*J. C. Storey.* — Notified to remove overhead wires. Wires removed to private land.

*Dr. Hubbard.* — Notified to remove overhead wires. Has applied for exemption for one wire. Case taken under advisement.

*J. H. Goldsmith.* — Notified to remove overhead wires. Has applied for exemption. Case taken under advisement.

*Mrs. Gilbert.* — Wires (three thousand feet) removed.

*Lawrence J. Logan & Co.* — Wire removed. One thousand feet.

*E. S. Hamlin & Co.* — Wires all on private land.

*B. A. Atkinson & Co.*—Wires (one thousand feet) removed.

*Codman & Shurtleff.*—Wires being removed by order of the Commissioner of Wires.

The wires belonging to various other smaller companies, together with the dead and unknown wires removed, amounted to about 800,000 feet.

#### OVERHEAD ELECTRIC CONSTRUCTION.

The overhead construction, especially the electric light and power wires, in the city, has been inspected, special attention being given to the part of the city lying north of Dover and Berkeley streets and extending to the Charles river, the harbor and Fort Point channel. Here is centred the business life of the whole city. It is also the hazardous district from a fire stand-point.

The mass of wires strung over the roofs of buildings is something enormous. So great is the quantity, so many the different owners, and so difficult is it to maintain insulation, that they cannot help being in a dangerous condition. I am of the opinion that these wires are a great fire hazard, both in causing fires and obstructing the firemen. Again, they are likely at any time to be dangerous to the public and to the lives of linemen.

Poor work in many places characterizes the construction. The following are some of the defects met with:

Broken insulators and pins found everywhere.

Rubber hooks used.

Wires run in wooden cleats and wooden mouldings on buildings.

Wires run along sign-boards and through cloth signs.

Wires tied to nails, pegs, and loosely to insulators.

Bushings lacking where wires enter buildings.

No water loops.

Lighting wires on the same cross-arms with other wires.

Porcelain knobs used.

Several wires on the same insulators.

Wires in contact with shutters, water conductors, etc.

Wires against sharp corners of girders.

Wires over exhaust steam-pipes.

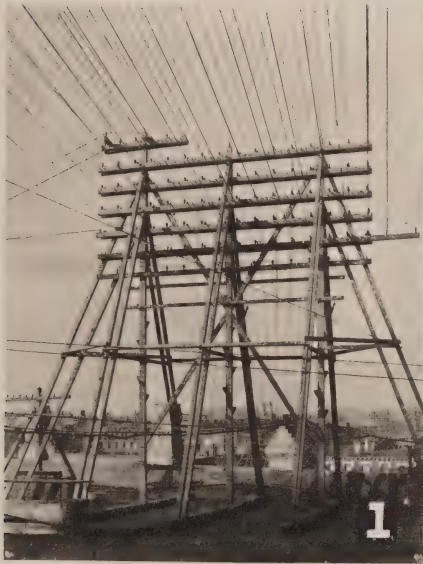
Wires too close to roofs.

Wires of too small size used often.

Wires sagging badly.

Wires twisted together.

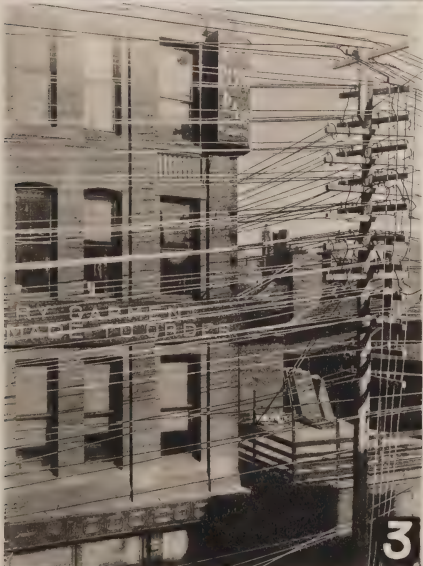
Electric-light wires run down chimneys with low potential wires.



1



2



3



4

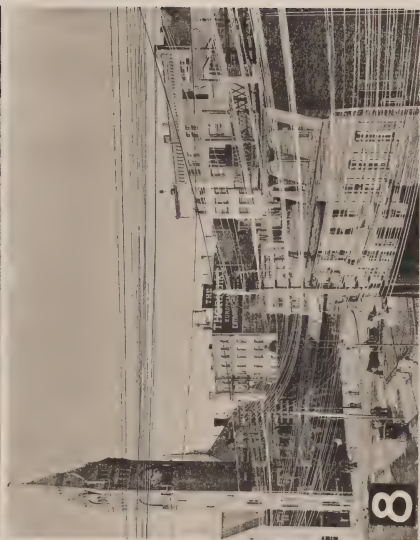
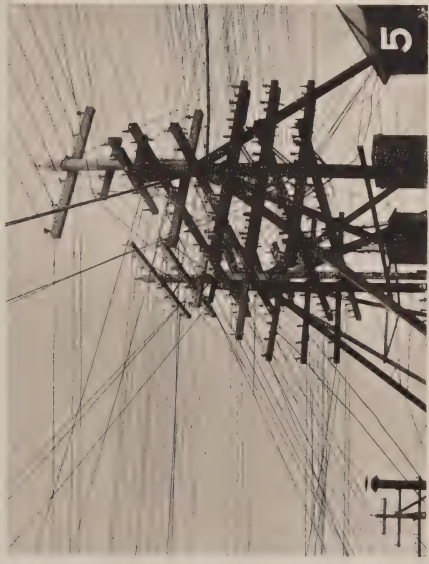
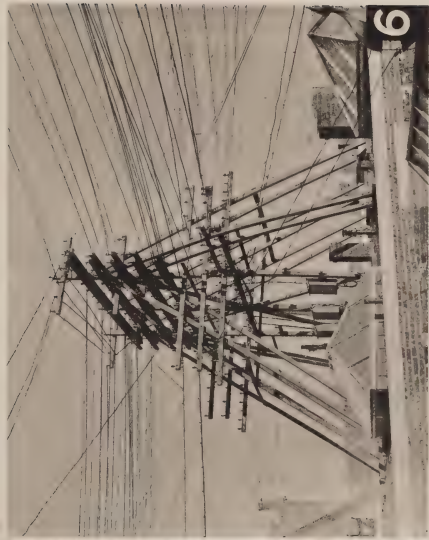
1. Structure on Hathaway Building.

2. Corner of Eliot and Washington Streets.

3. Wires on Eliot Street.

4. Wires on Eliot Street





5. Structure on building corner of Tremont and Lagrange Sts.

6. Structure on Washington Building.

7. Structures on building near Milk Street.

8. Park Square and Eliot Street.



Wires guyed from other wires by ropes.

Untapped joints numerous.

Insulation frail in many places, leaving wire bare in spots.

Ends of circuit left untapped.

Primary of transformer touching iron cases or woodwork, or likely to become crossed with secondary.

Insulated wires in contact in many places.

Marking "On" and "Off" on arc-light switch wanting or indistinct.

Wires high and low potential massed together.

Such is the mass and arrangement of the wires, together with the defects, that when they become crossed through storms and other causes the dangers referred to above must necessarily follow. Another trouble is the loss of the service of fire alarm, police, telephone, and lighting wires.

The way to obviate the dangers of bad overhead construction is to place the wires underground in the prescribed district as soon as possible, and correct all the overhead defects.

The overhead division have inspected, in connection with wire construction, 1,340 poles, 716 fixtures, 290 lamps, and 10,308,850 feet of wire and cable. Notices have been sent to the owners of poles, wires, cables, and fixtures, covering 4,674 defects. Parties at interest have shown a desire to do all in their power to meet the Wire Department in its demands, and a large proportion of the defects have been corrected.

To facilitate the work of a thorough inspection, the city has been laid out into sections, each section divided into blocks, the wires on each block inspected, and all the structures thereon numbered. From this inspection maps are being made showing the condition of every wire, structure, and pole in the city. This work will materially improve the overhead construction. Some idea of the enormous number of overhead wires in our city can be formed from the following facts: In the city proper north of Dover and Berkeley streets, less than two miles in area, it is fair to say that there is 75,000,000 feet of wire.

In the whole city there are, according to the plans on file in the office, 12,398 poles. It is estimated that the number of fixtures is over 50,000.

Cuts Nos. 1, 5, 6, and 7 represent the overhead wire construction on buildings.

Cuts Nos. 2, 3, 4, and 8 show the overhead wire construction in streets.

Some ideas can be formed from these of the dangerous mingling of masses of high and low potential wires.

The cuts as a whole illustrate the conditions which the Fire Department meets with in getting into buildings and over the roofs to put out fires. They also show how easy it is when these wires become tangled up, to cause fire at a distance, and also death to citizens and to those who work upon the lines. It is unnecessary to say one word of the unsightly appearance they give to Boston. The cuts speak for themselves.

#### INSPECTION OF INTERIOR WIRING OF BUILDINGS.

Notices of new work received . . . . .	1,428
Number of large area buildings (the wiring completely examined) . . . . .	173
Arc lights examined . . . . .	1,083
Incandescent lights examined . . . . .	69,035
Motors examined . . . . .	272
Horse power . . . . .	840 $\frac{5}{8}$
Defects reported . . . . .	610
Defects corrected to February 1 . . . . .	406

The rest of the defects are in process of correction.

A supply of electrical instruments, suitable for use in making such tests or measurements as may be necessary in the work of this department, has been purchased. They have been of great benefit.

On all special occasions, when temporary wiring for electrical effects has been in use, inspectors have been detailed for duty at such places.

Special attention has been given to large area buildings, theatres, and hotels, inspections being made monthly, and oftener when deemed necessary. As a result one theatre has been rewired, another has had its wiring put in safe condition, and two others are undergoing extensive alterations. In addition some hotels and a number of the large retail stores are correcting the defects in their electric plants.

The law calls for the use of fuses to prevent heavy currents from entering into buildings and causing fire. When the Wire Department was organized, it was found that in many cases fuses were not used. The companies and individuals not living up to the law were notified immediately, and most of them have made a beginning of placing fuses on all wires. It is my intention to see that the use of fuses is strictly enforced.

The one trouble met with in the carrying out of a thorough inspection of all interior wiring, is the fact that some of the



contractors do not notify this department when work is to be done. The result is that it is impossible to make a thorough examination. There is nothing in the law that can force parties to send a proper notice. This defect should be remedied.

It is only fair to say, however, that the greater number of contractors have extended every courtesy to the Wire Department, and aided it in the prosecution of its work.

The amount of work during the six months ending February 1 is fully one hundred per cent. greater than that of the same period last year.

At present the Interior Wiring Division is handicapped by the small number of inspectors which it has to handle a vast amount of work. Not only have they the new work to inspect, but, besides responding to fires, they also have the immense amount of old wiring to look after. A large proportion of this old work is of a type which is dangerous.

If the force of inspectors was increased, more attention could be devoted to the buildings in which old wiring exists, and the results would be seen in the decrease of fires and accidents that are caused by electricity.

All accidents and fires which were possibly caused by electricity have been investigated.

They are classified as follows :

Fires in interior of building . . . . .	27
“ on roofs . . . . .	4
“ “ poles . . . . .	5
Burn-outs . . . . .	4
Fires on trees . . . . .	4
	—
	44
Injuries . . . . .	11
Miscellaneous . . . . .	4
Manhole explosion . . . . .	1
	—
	16

As the result of the accidents, three men lost their lives ; one man received burns on the hands ; a fireman received severe burns from a current of electricity, and was also badly bruised by being knocked from a ladder. Several persons received shocks by coming in contact with an iron pole ; one man had to be assisted from a street-light pole on account of shock which he received while at work. Three horses were killed, and one horse received severe shocks.

Of the fires inside of buildings all but three were on

wiring which was done prior to the formation of the Wire Department. Of these three, two were installed without any notification having been received, and therefore they had not been inspected. The other had been reported by this department as liable to cause trouble, and no action had been taken by the owner.

Numerous tests have been made in the interior of buildings for stray electric currents. This is an important question, especially so when we find currents of electricity entering buildings in the business section of Boston, and causing fires and other damage. The fire losses for the past six months in Boston probably caused by electricity are about \$80,000. Proper electrical construction would have prevented much of this loss. This shows the importance of a thorough inspection of electric wiring in the interior of buildings.

A list in detail of the fires and accidents is submitted. (See Appendix A.)

#### REMOVAL OF DEAD AND ABANDONED WIRES, ETC.

The work of removing abandoned wire, poles, fixtures, etc., has been very arduous. By the force of the department the following work has been done: Supervision of the various companies and individuals in removing from the district of 1894 wire amounting to about 2,000,000 feet, and all poles and fixtures. Abandoned fixtures have been removed by the Wire Department, and wire amounting to 881,150 feet. (This includes the whole city.) The wires of the whole city have been looked after as regards being tagged with owner's name. During the stormy weather, night and day, all dangerous wires have been removed, and as far as possible accidents from electricity have been prevented. Many calls have been received from citizens to remove electrical dangers, and have met with prompt response. A portion of the overhead inspection has also devolved on the Dead Wire Division.

Of the abandoned wire taken down by the Wire Department, 792,900 feet was of no value and was deposited at the dumps; 88,250 feet was preserved as of value, and will be sold and placed to the credit of the department. (104,650 feet was removed from poles and 776,500 feet from house-tops.)

In the office are on file plans of all pole locations in the city and all underground subways, a record of the test of all conductors, and plans covering the surveys thus far made of overhead wires, fixtures, etc.



CITY OF BOSTON  
 WIRE DEPARTMENT  
 SCALE 1000 = 1"  
 1894

JAMES T. BALL DEL.  
 HELIOTYPE PRINTING CO. BOSTON



W. 4th St.

BARRIERS

W. 5th St.

W. 6th St.



In many of the electrical investigations made, the camera has been found useful. Numerous photographs have been taken by employees of the office, which illustrate important points.

Rules have been made covering overhead construction, interior wiring, underground construction, and the various tests, including the carrying capacity of wires and the necessary insulation resistance for overhead and underground cables. They will form a basis for all future inspections.

The dangers from electrolysis are being constantly investigated.

In January of this year the district for 1895 was duly prescribed. It covers that portion of the city bounded by the line which marks the boundary of the prescribed district for 1894, running from the junction of Ferdinand and Tremont streets, through Tremont to LaGrange, through LaGrange to Washington, across Washington to Beach, through Beach to Kingston street, through Kingston street to Essex, through Essex to the water front; commencing at this point, the line will run along the Harbor Commissioners' line to the point of division between Foster's and Rowe's wharves; thence to and across Atlantic avenue, along Broad, Franklin, Washington, Bromfield, Tremont, Park, Beacon, Charles, across Boylston, Park square, along Columbus avenue, Ferdinand street, Castle square, to the point of beginning.

Sheet No. 2 is a map of the prescribed district as a whole, in which the wires go underground before 1900. It also shows the district for 1894, and the district for 1895.

One of the problems connected with the underground service has been the disposal of the wires of the smaller companies, such as the Messenger, Burglar Alarm, and Auxiliary Fire Alarm companies, etc. A plan has been prepared by the Wire Department which accomplishes the desired end at the minimum of expense. It is the intention to allow them certain exemptions under Chapter 454 of the Acts of 1894, for overhead wires, provided a commencement is made of using underground ducts. Such exemptions will consist of permits to run a few wires temporarily over narrow streets which are not main thoroughfares. In cases of extreme emergency, more liberal permits will be allowed. In the district for 1895, seven of the small companies have agreed to place their wires underground, in accordance with this plan.

I have watched the progress of underground work in other cities under their boards of electrical control for purposes of comparison. The difficulties met with in Boston would

have warranted our falling behind the progress they have made. The contrary is the fact. The work of the Wire Department of Boston will bear more than favorable comparison with that accomplished elsewhere. The hearty coöperation of the companies and individuals affected by the law has been a potent factor in bringing about this result.

Some idea of the condition of Boston electrically can be formed from the following statement. It covers the electric plants of seven large companies, some small ones, and a few individuals :

The total number of electric lights in use is 226,251 ; 219,653 of these are incandescent, and 6,598 are arc lamps.

In the seven large companies the number of motors in use is 4,036.

The total electrical horse-power employed daily for electric lighting and power purposes is 27,889, requiring for its generation 38,799 mechanical horse-power.

The maximum capacity of 8-power stations is 42,010 mechanical horse-power, capable of furnishing 30,660 electrical horse-power.

#### SUBWAYS.

There are in the city 1,999,523 feet of underground duct, of which 740,911 feet are for electric light and power service, 1,252,076 feet for telephone and telegraph circuits, and 6,536 feet for signalling and miscellaneous purposes.

The number of feet of cable already in these ducts is 1,450,544.

The amount of this cable employed for telephone and telegraph purposes approximates 566,000 feet, containing about 70,000,000 feet of wire.

The power and lighting cables are over 855,000 feet in length.

For miscellaneous electrical service 1,222,620 feet of underground wire are employed.

The miles of overhead wire in the city have not yet been determined, except in the districts surveyed by this department.

Taking these as a basis for estimations the amount would be hundreds of thousands of miles. (See Appendix C.)

The above facts would appear to prove the claim that, in proportion to its population, Boston is one of the great electric centres. Enormous as is the electric energy used, the growth has been mainly within the last few years. The advances have been in vast strides. In almost immediate suc-

cession have the forces of electricity been born. The uses to which it has been applied are well-nigh unlimited. The transmission of sound, light, power, and heat, which rank the highest among the children of man's inventive genius, are but the first steps.

What may be the future development of electricity no man knoweth. We can picture in our minds ideas of what is to come that appear like the impossible, and yet fall far short of the reality. Wondrous is what has been accomplished, yet men say that we are but upon the threshold of still greater discoveries coming from this almost unknown and unseen power. Like all forces that serve man, it must be bridled, lest it become the master. The problem of finding the proper methods to rob electricity of its dangers rests upon the Wire Department. It is a difficult task, and results alone will show whether that task has been accomplished.

Respectfully submitted,

JOHN R. MURPHY,

*Commissioner of Wires.*





## APPENDIX A.

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### LIST OF THE FIRES AND ACCIDENTS CAUSED BY ELECTRICITY FROM AUGUST 4, 1894, TO FEBRUARY 1, 1895.

#### ACCIDENTS.

August 11. 27 State street. A current entered this building, melting water and ventilator pipes. The building was flooded with water. Cause, contact of metal guy cable, which rested against metal-covered roof with the wires of the electric street railway company.

October 4. Corner of Congress and Channing streets. Accident on an electric lamp-post, which resulted in the deaths of C. E. Day and A. J. Munroe, employees of an electric light company.

C. E. Day was killed by a shock of electricity while attempting to trim a street arc light without throwing the switch. The circuit of which this arc light is a portion, is supposed to be entirely free from electricity during the day. About half a mile from the scene of the accident, however, it was crossed with a high-tension circuit, from which it derived the current of electricity which caused the death of Mr. Day.

A. J. Munroe, while striving to remove Mr. Day from the pole received a shock which caused him to fall to the sidewalk, fracturing his skull and causing his death.

October 13. 109-117 Broad street. Ladderman Lanergan received severe burns and was knocked from a ladder by a current from wires of the street railway company. The fire axe which Mr. Lanergan had attached to his belt at the time of the accident was badly melted in two places, as was also the guy wire or iron to the aerial ladder.

October 27. Tremont street, near Historical Building. Personal injury caused by hanging wire.

November 6. Corner Charles and Cambridge streets. Horse killed by coming in contact with live wire. Low-potential wire crossed by high-potential wire.

November 6. Corner Cambridge and Lynde streets. Horse killed by coming in contact with live wire. Low-potential wire crossed by high-potential wire.

November 6. Corner Church and Providence streets. Horse killed by coming in contact with live wire. Low-potential wire crossed by high-potential wire.

November 6. Corner Church and Providence streets. Horse knocked to the ground by coming in contact with live wire. Low-potential wire crossed by high-potential wire.

November 7. Congress street, opposite Exchange place. A. T. Hilton was killed by a fall from a pole on which he was at work, resulting from an electric shock.

November 16. R. H. White & Co., 518 Washington street. A man's index finger of left and back of right hand burned by contact with an arc-light circuit.

December 22. Albany street, near Lehigh street. Explosion in manhole. Cause unknown. Probably ignition of gas from a leaky main.

December 25. Corner of Washington and Williams streets. Trouble on street lamp. Cause, insulating block had burned away and left the wires grounded on the hood of the lamp.

January 11. 387 Tremont street. Brass rail charged with electricity, by contact with high-potential wire.

January 17. Corner Franklin and Hawley streets. Pole supporting trolley wire charged with electricity. Cause, leakage of current through defective insulators.

January 26. Cambridge street, opposite Anderson. Arc-light trimmer received a slight shock while on pole.

#### FIRES.

September 16. Engine 9's house, East Boston. Caused by a "cross" between a fire-alarm wire and a high-potential wire.

September 21. R. H. Macurdy, 26 Temple place. Caused by carbon dust collecting on top of an arc lamp, and causing a short circuit. Still alarm.

September 22. John Hancock Building, 178 Devonshire street. Burn-out of an electric service in the basement.

September 25. Butts & Ordway, 500 Atlantic avenue. Caused by defective starting-box.

October 2. 27 State street. Cause, contact between guy cable and trolley wire; trolley wheel of a passing car jumping off the trolley wire and allowing the trolley arm to fly up and form a connection between the trolley wire and guy cable, said guy cable being in contact with metal covering of roof. The result was not only the melting of the pipes on the inside of the building, but also a slight fire on the roof of the building, for which an alarm from Box 36 was given.

October 3. Wm. Miller, 859 Washington street. Caused by defective arc-light cut-out. Alarm from Box 67.

October 6. Mechanics' Fair Building, Huntington avenue. Caused by a short circuit in a lamp socket on a circuit which was fed from an improperly fused cut-out. Alarm from Box 92.

October 17. Near Jamaica Plain station. Pole fire. Cause, fire-alarm wires and electric-light wires crossed.

October 22. Fire occurred in the Edison underground set of electric feeders running through Boylston street. Considerable excitement and inconvenience was occasioned, but no damage to person or property other than the property of the electric light company owning the feeders.

October 21. Rutherford avenue, Charlestown. Wires on fire;

caused by cross between wires of the New England Telephone & Telegraph Company, West End Street Railway Company, and Charlestown Gas Company. Alarm from Box 459.

November 5. Centre street, opposite Gardiner street. Tree on fire; caused by arc-light wire grounded on tree. Still alarm.

November 6. 22 Hanover street. Caused by defective switch.

November 6. Police Station 3. Instruments burned out by electric current which entered building. Cause, signal wires crossed by high-potential wires.

November 11. F. W. Tatro, 149 Court street. Cause, grounded 500-volt motor circuit. Still alarm.

November 14. Park Square Station, N. Y., N. H., & H. R.R. Cause, high-tension current entering building on low-tension circuit. Still alarm.

November 15. Boylston street, near Charles street. Burn-out in an electric underground feeder.

November 16. Grand Dime Museum. Cause, defective series incandescent lamp socket.

November 20. Harrison avenue, between Oak street and Broadway extension. Burn-out of fire-alarm cable. Cause, fire-alarm cable grounded at point where burn-out occurred, and fire-alarm circuit crossed with high-tension wire.

November 24. J. H. Norcross, 17 Tremont row. Fire in front and rear of store at same time. Cause, pendant cord grounding in the front part of store on a metal display rod which was in metallic connection with a cash-carrier system. One of the supporting wires of the cash-carrier system ran to a screw-eye in the ceiling in the rear part of the store, said screw-eye being grounded on a gas-pipe.

November 27. Western Union Telegraph Company, 109 State street. Cause, cross between telegraph wire and electric-light wire. Alarm from Box 16.

November 28. Plymouth Rock Pants Company, 249 Washington street. Cause, arc forming between opposite poles of a set of wires the insulation of which had deteriorated from the effects of water. Alarm from Box 36.

December 2. Benjamin Anthony's machine-shop, Ruggles street. Fire on roof, caused by cross between primary alternating circuit and telephone circuit. Still alarm.

December 10. S. Ward & Co., 49 Franklin street. Cause, excessive current on an electric-light circuit, causing series incandescent lamp to burst and start fire in show window.

December 10. Spring Lane Furnishing Company, 265 Washington street. Cause, grounding of a high-tension circuit.

December 10. William Minot, owner, 70 and 72 Pearl street. Cause, the formation of an arc between a gas-pipe and steam-pipe, due to a sneak current, the source of which is unknown, but probably entered from underground. The circumstances are as follows: This sneak current formed an arc between a gas-pipe and an asbestos-covered, canvas-jacketed steam-pipe, heating the asbestos red hot and setting fire to the canvas jacket. Fortunately the engineer of the building discovered the fire just as he was

about to leave the building for the night, and he extinguished it with a couple of pails of water, then separated the pipes and thoroughly insulated them at the point where the trouble occurred. The following morning on opening the building it was found to be full of gas, and, upon making an investigation, it was found that the soldered connection where the meter was connected with the service-pipe was melted off by the sneak current.

December 11. Horticultural Hall, 100 Tremont street. Cause, short circuit on flexible cord. Still alarm.

December 12. Corner Washington street and Indiana place. Pole fire, caused by cross between electric-light wires and telephone wire.

December 12. Everett avenue, near Dudley street. Trees on fire, caused by grounding wires.

December 12. Wire on fire. Cause, wire down and in contact with trolley wire.

December 22. H. Patridge & Co., 55 Hanover street. Cause, defective arc-light cut-out box.

December 27. Larabee & Co., 501 Washington street. Cause, grounded arc-light circuit. Still alarm.

December 30. Everett Press Company, 43-5-7 Franklin street. Probably caused by sneak current entering building on ventilator-pipe, and forming arc between it and water-pipe. Damage heavy.

January 6. 56 Elm street. Fire on roof. Cause, the breaking of a live high-tension wire which fell and came in contact with edge of roof. Still alarm.

January 7. Centre street, front of Engine 14's house. Trees on fire. Cause, grounded electric-light wire.

January 7. Corner Harrison avenue and Dover street. Pole fire. Cause, cross between electric-light wire and guy wire to a pole, the latter being in contact with a long distance telephone wire. This fire and the cause of the fire were separated by a distance of over two miles.

January 7. Corner Roxbury and Kent streets. Pole fire. Cause, same as pole fire of same date above.

January 12. Clark's Hotel, 577 Washington street. Cause, short circuit on an improperly fused circuit. Alarm from Box 744.

January 9. Corner Washington and Dudley streets. Trees on fire. Cause, grounded electric-light wires.

January 17. West End car-house, Columbus avenue. Cause, short circuit. Alarm from Box 83.

January 23. C. N. Carter, 496 Washington street. Cause, overheated electric flat-iron.

January 27. Electric Power Station, Brookline Gas Company, Cambridge street, Brighton. Cause, short circuit. Alarm from Box 821.

January 28. Electric Power Station, Brookline Gas Company, Cambridge street, Brighton. Cause, short circuit.

January 30. Boylston Building, corner Washington and Boylston streets. Cause, corrosion of electric-light wire, due to water

and improper insulation on wire, an arc being found where circuit had opened from corrosion.

January 31. 31 Hayward place. Fire on roof. Cause, grounded arc-light wire. Still alarm.

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## APPENDIX B.

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### LIST OF THE PROPERTY OF THE WIRE DEPARTMENT.

- 1 Test Board, capacity 220 volts and 300 amperes.
- 1 Auxiliary Test Board, capacity 150 amperes.
- 1 Weston Direct Reading Ammeter, No. 926, 150 amperes.
- 1 Weston Direct Reading Voltmeter, No. 3438, 1,500 volts.
- 1 Standard Portable Alternating and Direct Current Voltmeter, No. 1044, 300 volts.
- 1 Weston Direct Reading Mil-Ammeter, No. 2433, 1,500 mil.-am.
- 2 Weston Direct Reading Voltmeters, No. 6020, 150 and 300 volts.
- 1 Weston Direct Reading Ammeter, No. 2428, 500 amperes.
- 2 Bichloride of Silver Batteries, 150-cell and 50-cell.
- 1 Queen Testing Set.
- 1 Generator.
- 10 Reference Books.
- Surveying and Draughting Instruments, etc.
- 3 Horses.
- 2 Express wagons.
- 1 Business wagon.
- 1 Buggy.
- 1 Sleigh.
- 4 Sets of harness.
- 2 Robes.
- 10 Blankets.
- 1,860 Plans — pole locations, underground conduits, overhead wires, photographs of overhead, underground, and interior wire construction.
- Miscellaneous tools used in connection with overhead construction.

APPENDIX C.

TABLE SHOWING UNDERGROUND ELECTRICAL SERVICE OF BOSTON.

COMPANY OPERATING.	Length in feet of Duct.			Total.	Maximum capacity of duct in feet of wire.	Feet of cable underground.	Feet of wire underground.
	For light and power.	For telephone and telegraph.	For signalling and miscellaneous.				
West End Street Railway Company	185,819	†0	0	185,819	.....	101,073	
Boston Electric Light Company	240,311	0	0	240,311	.....	437,904	
Edison Electric Illuminating Company	312,678	0	0	312,678	1,272,032	312,678	
N. E. Telephone and Telegraph Company	0	1,172,585	0	1,172,585	281,420,400	505,795	65,324,720
W. Union Telegraph Company	0	53,835	0	53,835	3,230,123	44,679	2,680,740
Postal Telegraph Cable Company	0	21,347	0	21,347	2,000,000	9,127	565,455
Boston Fire Department	0	0	3,846	3,846	.....	26,388	*1,206,480
U. S. Sub-Treasury Department	1,403	0	0	1,403	.....	1,410	
Boston and Maine Railroad	700	0	0	700	1,400	700	
Chestnut Hill Reservoir	0	0	2,690	2,690	.....	2,690	
United Telegram Company	0	1,359	0	1,359	108,720	100	4,000
Suburban Light and Power Company	0	0	0	0	0	8,000	
Boston District Messenger Company	0	2,950	0	2,950	59,000	0	0
Totals	740,911	1,252,076	6,536	1,999,523	.....	1,450,544	69,781,395

\* Most of the fire alarm wire is in ducts of the New England Telephone and Telegraph Company.

† The telephone cable of the West End Street Railway Company is in one of the ducts used for power purposes; its length is 5,960 feet, and it contains 23,640 feet of wire.

Table Showing the Distribution of Boston's Electrical Power, February 1, 1895.

COMPANY OPERATING.	LAMPS IN USE.		MOTORS IN USE.		TOTAL HORSE-POWER.			
	Incandescent.	Arc.	Stationary.	Railway.	Maximum Capacity.		Output.	
					Mechanical.	Electrical.	Mechanical.	Electrical.
Boston Electric Light Company .....	35,000	4,000	355	.....	7,000	5,000	6,100	4,307
West End Street Railway Company .....	7,500	.....	24	2,110	25,050	16,800	25,050	16,800
Edison Electric Illuminating Company .....	100,047	853	1,419	.....	7,000	6,400	5,000	4,500
Suburban Light and Power Company .....	9,406	252	92	.....	1,200	1,000	1,037	950
Charlestown Gas and Electric Company .....	700	275	1	.....	195	175	189	170
Brookline Gas Company <sup>1</sup> .....	13,600	410	.....	.....	865	735	800	675
Church Green Light and Power Company .....	3,400	8	35	.....	700	550	623	487
	169,653	5,798	1,926	2,110	42,010	30,660	38,799	27,889

<sup>1</sup> The station of the Brookline Gas Light Company is in the city, but most of the electric lighting service is outside.

## OVERHEAD WIRES.

*List of Corporations and Companies owning and operating Wires.*

West End Street Railway.	New England Printing Tele- graph Co.
Boston Electric Light Co.	United Telegram Co.
Suburban Light & Power Co.	French Cable Co.
Edison Electric Illuminating Co.	American Bell Telephone Co.
Boylston Sq. Light & Power Co.	New England Telephone & Tel- egraph Co.
Steam Heat & Power Co.	Pulsion Telegraph Co.
Church Green Light & Power Co.	Combination Telephone Co.
Charlestown Gas Co.	Electric Time Co.
Brookline Gas Co.	Gold & Stock Telegraph Co.
Walker Electric Plant.	Stock Quotation Telegraph Co.
Faxon Electric Plant.	Boston District Messenger Co.
Boston Herald.	Mutual District Messenger Co.
Boston Post Office.	General News Telegraph Co.
Cushing, Olmstead, & Snow.	Boston Electric Protective Asso- ciation.
Brown, Durell, & Co.	Holmes Electric Protective Co.
Fort Hill Building.	Boston Automatic Fire Alarm Co.
New England Building.	Boston Auxiliary Fire Alarm Co.
D. S. McDonald.	C. L. Bly & Co.
Keith's New Theatre.	United States Fire Signal Co.
Quincy Market Cold Storage Co.	General News Co.
D. Webster King.	American Press Association.
John Stetson.	American Automatic Fire Alarm Co.
Smith & Porter.	Boston Fire Alarm Department.
Western Union Telegraph Co.	Police Signal Co.
Baltimore & Ohio Telegraph Co.	Boston Protective Department.
United Lines.	Merchants & Bankers Co.
Postal Telegraph Co.	
Commercial Cable Co.	
Mutual Union Telegraph Co.	
New England Telegraph Co.	
Commercial Union Telegraph Co.	

In addition to the above, there are hundreds of lines used for private purposes.



## APPENDIX D.

## STATEMENT OF DEPARTMENT APPROPRIATION AND EXPENDITURES FROM AUGUST 4, 1894, TO JANUARY 31, 1895.

Amount of appropriation . . . . .		\$17,405 00
Amount of expenditures:		
Salaries . . . . .	\$10,354 49	
Advertising . . . . .	136 11	
Draughting, electrical, and engineering supplies . . . . .	795 03	
Office furniture . . . . .	137 60	
Printing, paper, postage, and stationery . . . . .	562 96	
Telephone . . . . .	143 85	
Tools . . . . .	210 07	
Incidentals, including maintenance of horses and wagons . . . . .	2,298 78	
		<u>14,638 89</u>
Unexpended balance . . . . .		\$2,766 11

The expenditures of the Wire Department are comparatively small. It is partly owing to the fact that a considerable number of the employees did not go on the pay-roll until Nov. 1. From August 4 until November 1 they were paid out of another appropriation.



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