

# REPORT OF THE BOARD OF HYDRANT COMMISSIONERS.

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Concord, N. H., December 31, 1923.

*To the Board of Mayor and Aldermen:*

Gentlemen: The eighteenth annual report of this board, for the year 1923, is herewith submitted.

On August 10, the full board met and recommended the installation of a low service hydrant to be set on Broad Avenue 500 feet west of west line of Broadway.

No other sessions were held during the year.

Respectfully submitted,

W. C. GREEN,  
PERCY R. SANDERS,  
FRED W. LANG,  
*Board of Hydrant Commissioners.*

# REPORT OF BOARD OF EXAMINERS OF PLUMBERS.

Concord, N. H., December 31, 1923.

*To the Board of Mayor and Aldermen:*

Gentlemen: The twenty-fourth annual report of this board is herewith submitted.

The membership of the present board is as follows: Wilfred W. Brennan, a licensed journeyman plumber, Charles H. Cook, M.D., and Fred W. Lang, city engineer. Mr. Brennan is chairman of the board and Fred W. Lang, clerk.

Four applications for journeyman's license were received.

Two meetings of the board were held, two of the applicants were examined and failed to pass the required examinations.

Two applicants have as yet failed to appear for examination.

There are four classes of plumbers on the register: Registered Master; Examined Master; Registered Journeyman; and Examined Journeyman.

The following paid for their 1923 license, and are classified as follows:

## REGISTERED MASTERS.

Arthur W. Bean,	License number 1
Mary C. Clifford,	“ “ 14
Seth R. Hood,	“ “ 2
Michael J. Lee,	“ “ 10
William A. Lee,	“ “ 4

Richard J. Lee,	License number 6
Benjamin H. Orr,	“ “ 5
Willis H. Roberts,	“ “ 3
Albert S. Trask,	“ “ 11

## EXAMINED MASTERS.

Charles W. Bateman,	License number 3
William J. Bishop,	“ “ 27
Geo. A. Bisson,	“ “ 21
W. A. Carlton,	“ “ 32
Louis J. Cherrier,	“ “ 23
Philip W. Clark,	“ “ 34
Frederick F. Converse,	“ “ 35
Edward F. Donovan,	“ “ 18
Edward F. Edgeworth,	“ “ 30
John L. Fahey,	“ “ 28
William Johns,	“ “ 37
Thomas J. Johnson,	“ “ 26
John C. Keenan,	“ “ 15
Robert J. Keane, Jr.,	“ “ 38
Manley W. Morgan,	“ “ 16
G. Arthur Nichols,	“ “ 2
Richard O'Brien,	“ “ 29
Harris S. Parmenter,	“ “ 24
Albert E. Roberts,	“ “ 11
Geo. E. Robinson,	“ “ 52
George L. Small,	“ “ 31
John C. Smith,	“ “ 11
Fred B. Thissell,	“ “ 36
William Trottier,	“ “ 7

## REGISTERED JOURNEYMEN.

P. Harrison D. Leary,	License number 12
Harry H. Kennedy,	“ “ 11

## EXAMINED JOURNEYMEN.

Charles H. Berry,	License number 3
Wilfred W. Brennan,	“ “ 71
Arthur W. Brown,	“ “ 70
Stanley A. Buchanan,	“ “ 86
Arthur W. Bunten,	“ “ 20
Nelson Dane,	“ “ 79
C. Nelson Griffin,	“ “ 62
Victor T. Lauze,	“ “ 78
Adelard J. Lemire,	“ “ 64
Everett S. Mahoney,	“ “ 72
John W. McGowan,	“ “ 80
William H. Stanley,	“ “ 59
Clarence J. Spead,	“ “ 60
Arthur W. Robinson,	“ “ 52

Total number Registered Masters, 9.

Total number Registered Journeymen, 2.

Total number Examined Masters, 24.

Total number Examined Journeymen, 14.

## CASH RECEIPTS.

For licenses,	\$24.50
For examinations,	4.00
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Total receipts,	\$28.50
Paid out for stamps,	.50

The clerk of the board holds receipts from the city treasurer for \$28.50.

Respectfully submitted,

CHAS. H. COOK,  
WILFRED W. BRENNAN,  
FRED W. LANG,  
*Board of Examiners of Plumbers.*

# REPORT OF THE BOARD OF PUBLIC WORKS.

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## REPORT OF THE HIGHWAY DEPARTMENT.

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*To the Board of Public Works:*

The annual report for the year ending December 31st, 1923, is herewith presented for your information.

During the year improvements have been made on our Trunk Line roads by laying "A Modified Asphalt" top on the East side of South Main Street, north of West Street, and several stretches between the City proper and Penacook, as well as on Washington Street, Penacook.

North and South State Streets and the road to East Concord have been given an application of tar, and Pleasant Street has been improved by a gravel constructed street with tar application; South Street on the East side, Laurel to Clinton, has been constructed by the Asphalt penetration method: Dimond Hill, from a point near School House to improvement made last year, has been resurfaced with gravel and tar top: the Loudon road was given an application of Asphalt, from Merrimack river to Pembroke-Concord Town Line.

The past year we have constructed reinforced concrete bridges on the Dimond Hill road, and over the Hackett Brook on the Penacook-East Concord road, as well as replacing the floor system on the River Hill Bridge, replanking the Twin Bridge and replacing all broken tile culverts with corrugated iron culverts.

The past year we have erected new sheds at the City Stable's lot, painted and shingled paint shop, painted stables, garage and blacksmith shop.

The garbage collection is increasing each year, the addition of the two Ford trucks, however, is taking care of the collection in a satisfactory manner. The cost to this Department for the collection of table garbage for the year amounted to \$5,329.38.

Approximately the same amount has been expended for concrete and tar walks as in preceding years.

The marking of streets, flushing pavements in business district and painting of bridges has been carried on the past year as usual.

The general upkeep of our country roads is taken care of by road machine and dragging, with the assistance of local agents in each district, but with the increased auto traffic this is demanding a larger sum from our appropriation each year.

I wish to thank Mayor Chamberlin and the members of the Board for their kindness and assistance the past year.

Respectfully submitted,

ORRIN W. HEAD,

*Superintendent of Streets.*

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**FINANCIAL REPORT OF THE HIGHWAY  
DEPARTMENT.**

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SUMMARY.

Central District,	\$134,753.79
Suburban Districts,	33,878.03
Transferred to Sidewalks and Crossing repair,	1,021.49
Transferred to Garbage,	2,281.30
Transferred to Sprinkling,	66.28
Balance year ending December 31, 1923,	5,011.33
	<hr/>
	\$177,012.22

*Deposited with City Treasurer.*

Garbage,	\$252.05
Sidewalks and Crossings—new,	559.07
Ball Ground,	9.66
Fire Department,	133.60
Playground Committee,	75.84
State Aid Highways,	8,118.00
Ward 7 Ward House,	205.88
Labor,	969.24
	<hr/>
	\$10,323.34

## GENERAL MAINTENANCE.

Appropriation,	\$104,500.00
Transferred from Catch Basins,	679.87
Transferred from Sidewalks and Crossings—new,	141.06
Bonds,	49,820.00
Earnings for 1923,	10,071.29
Resolution No. 543,	11,800.00
	<hr/>
	\$177,012.22

## EXPENDITURES.

Ball Ground, labor,	\$8.10
Breaking roads:	
Labor,	\$1,288.98
State Highway, use of tractor,	538.23
Repairs to plow,	20.86
Gas and oil,	203.60
	<hr/>
	2,051.67
Bridges:	
Labor:	
Removing snow,	11.58
Cleaning bridges,	16.18
Repairing,	485.16
Painting,	607.32

Hackett bridge,	\$3,091.21	
River Hill bridge,	2,007.41	
Mixers, new,	695.80	
Freight,	26.53	
Repairs and supplies,	13.96	
Miscellaneous supplies,	598.94	
Telephone,	1.45	
Paint,	209.37	
	<hr/>	\$7,764.91
Clearing crossings,		1,240.78
Concord Electric Railway, labor,	39.50	
Asphalt,	62.25	
	<hr/>	101.75
Concord truck :		
Labor, repairing,	188.98	
Gas and oil,	138.91	
Insurance,	65.00	
Repairs and supplies,	197.46	
	<hr/>	590.35
Concrete mixer :		
Labor repairing,	103.81	
Express,	2.18	
Telephone,	.65	
Repairs and supplies,	22.82	
	<hr/>	129.46
Crusher :		
Electricity,	330.61	
Labor,	93.36	
New parts,	433.95	
Freight,	3.15	
Repairs and supplies,	128.98	
	<hr/>	990.05
Culverts :		
Labor, clearing,	44.00	
Labor, repairing,	34.57	
Supplies,	389.85	
	<hr/>	468.42

Dragging streets :		
Labor,	\$368.17	
Repairs and supplies,	69.60	
	<hr/>	\$437.77
Drinking fountains :		
Labor, repairing,		65.66
Driveways :		
Labor, building,	477.16	
Supplies,	54.54	
	<hr/>	531.70
Fences :		
Labor, repairing,	36.74	
Supplies,	132.53	
	<hr/>	169.27
Fire Department :		
Labor,	14.34	
Supplies,	112.50	
Parade,	12.48	
	<hr/>	139.32
Ford trucks :		
New trucks,	1,390.00	
Insurance,	104.00	
Labor, repairing,	249.98	
Repairs and supplies,	237.11	
Tires,	402.58	
Gas and oil,	292.67	
	<hr/>	2,676.34
Garage :		
Building,	37.36	
Labor, repairing,	307.22	
Labor, cleaning,	9.39	
Electricity,	4.68	
Coal,	117.23	
Gas and oil,	35.76	
Supplies,	549.75	
Express,	11.53	
Vulcanizing,	102.69	
Labor on air compressor,	17.53	
	<hr/>	1,193.14

## General expenses:

Advertising,	\$9.34	
Ambulance, repairs,	40.00	
Supplies for ambulance,	2.02	
Ash gravel spreader,	46.00	
Freight,	.81	
Boiler, labor, repairing,	80.69	
Cleaning, Lane property,	7.50	
Cutting grass and bushes,	24.93	
Concord, Pembroke road,	44.00	
Express and car fare,	3.10	
Expense on trip,	139.75	
Grinder,	34.04	
Cartage,	25.35	
Insurance on Peerless truck,	65.00	
Oiler,	16.00	
Pictures,	22.00	
Road machine to Penacook and Dimond Hill,	14.46	
Steps repaired,	10.80	
Supplies for steps,	7.35	
Store house, labor on floor,	68.05	
Supplies for store house floor,	9.00	
Supplies for general repairs,	80.07	
		\$750.26

## Gutters:

Cleaning,	3,142.61	
Ditching,	1,005.11	
Opening,	33.55	
Paving,	21.28	
Repairing,	66.45	
Supplies,	16.20	
		4,285.20

## International truck:

Labor, repairing,	216.42
Insurance,	104.00
Gas and oil,	117.20

Repairs and supplies,	\$307.55	
Express,	2.82	
Tires,	84.50	
	<hr/>	\$832.49
Leveling and removing suow :		
Labor,	3,187.58	
Supplies,	32.90	
Freight,	.50	
	<hr/>	3,220.98
Lime sower :		
Repairs and supplies,	36.88	
New parts,	16.17	
	<hr/>	53.05
Miscellaneous supplies,	90.05	
New tools,	148.42	
Express,	4.24	
Rubber boots,	27.88	
	<hr/>	270.59
Nash truck :		
Supplies,	61.16	
Express,	.73	
	<hr/>	61.89
Office :		
Clerical expenses,	1,512.71	
Timekeeper,	584.50	
Telephone,	26.59	
Supplies,	281.78	
Car fare,	.72	
	<hr/>	2,406.30
Patching :		
Labor,	4,283.29	
Freight on tar barrels,	41.30	
	<hr/>	4,324.59
Playground committee :		
Labor on playgrounds,	69.58	
Labor on bath houses,	18.00	
Labor removing bath houses,	10.33	
	<hr/>	97.91

## Pleasant Street:

Excavating,	\$718.99	
Resurfacing,	898.29	
Grading,	3,768.09	
Gutters,	1,923.51	
Getting sand,	57.10	
Coal,	175.12	
Tarvia,	2,220.00	
Telephone,	9.20	
Cement,	643.50	
Stone,	294.84	
Supplies,	3.54	
	<hr/>	\$10,712.18

## Plowing walks:

Labor,	1,103.10	
Repairs and supplies,	92.03	
Painting plows,	4.50	
	<hr/>	1,199.63

## Police Department:

Labor, cleaning yard,	6.12	
Cement and rails,	189.12	
	<hr/>	195.24

## Repairing macadam:

K. P.,	1,018.41	
Freight,	72.60	
Unloading car,	15.00	
Loading barrels,	8.52	
Hauling stone,	2.00	
Mixing,	49.50	
Labor laying,	1,502.16	
Labor sand,	106.41	
Stone,	64.51	
Tarvia,	1,769.04	
Miscellaneous supplies,	19.65	
	<hr/>	4,627.80

## Reo roadster:

Labor, painting,	125.00	
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Labor, repairing,	\$38.02	
Insurance,	39.00	
Tires,	153.75	
Gas and oil,	68.06	
Repairs,	28.09	
	<hr/>	\$451.92
Reo Speedwagon:		
Labor, repairing,	137.58	
Insurance,	65.00	
Gas and oil,	209.40	
Tires,	124.88	
Repairs and supplies,	99.80	
	<hr/>	636.66
Road machine:		
Labor,	1,260.24	
New parts,	178.91	
Express and freight,	1.57	
Supplies,	21.28	
	<hr/>	1,462.00
Sanding walks:		
Labor,	864.43	
Filling sand house,	511.51	
Supplies,	1.70	
	<hr/>	1,377.64
Sawing wood:		
Labor, sawing old lumber,	77.00	
Repairs to sawing machine,	15.20	
	<hr/>	92.20
Shop:		
Labor at shop,	75.00	
Supplies,	309.76	
Shingling and painting,	283.67	
Shingles,	46.11	
New motor,	55.20	
Rigging motor,	34.98	
Repairing chains and picks,	65.72	
Painting wheel barrows,	4.50	

Repairs to tools,	\$45.00	
Repairs to shop,	10.00	
	<hr/>	\$929.94
Shed:		
Clearing ground,	35.74	
Removing old shed,	17.29	
Foundation,	135.01	
Supplies,	561.88	
Express,	91.65	
New shed,	4,700.00	
Unloading shed,	62.33	
Erecting shed,	635.87	
Labor, Penn Metal Company,	170.00	
Wiring,	140.73	
Sewer shed department,	370.56	
	<hr/>	6,921.06
Signs and beacons:		
Coasting signs,	26.92	
Painting streets,	230.86	
Paint for streets,	75.65	
Freight,	10.88	
Street signs,	382.22	
Marking signs,	62.47	
Putting up signs,	23.00	
Supplies,	93.85	
Beacons,	530.00	
Installing and repairing,	37.68	
	<hr/>	1,473.53
South Street:		
Excavating,	590.35	
Hauling,	34.50	
Curbing,	543.38	
Asphalt,	1,152.05	
Unloading car,	8.00	
Coal,	123.45	
Gas,	66.44	
Cement,	297.90	

Stone,	\$808.82	
Miscellaneous supplies,	126.34	
Telephone,	.55	
Macadam,	2,859.22	
	<hr/>	\$6,611.00
So. Main Street:		
Labor repairing,	396.65	
Coal,	8.45	
	<hr/>	405.10
Stables:		
Labor at stables,	3,063.26	
Labor at store sheds,	71.52	
Wiring,	137.71	
Cleaning yard,	135.19	
Sawing wood,	22.59	
Repairs to furnace,	48.55	
Telephone,	32.15	
Electricity,	105.48	
Supplies,	364.23	
	<hr/>	3,980.68
Steam roller:		
Repairs and supplies,		248.13
Sweeping pavements:		
Labor,	4,393.51	
Repairs and supplies to carts,	69.50	
	<hr/>	4,463.01
Teams:		
Carts, new,	162.21	
Labor, repairing,	146.20	
Labor, painting,	301.66	
Repairs and supplies,	247.89	
Sleds, new,	84.74	
Labor, repairing,	450.16	
Labor, painting,	173.76	
Supplies,	185.65	
Hay and grain,	2,972.53	
Labor, repairing harness,	48.05	

Shavings,	\$10.74	
Calling for shavings,	19.25	
Supplies,	712.00	
Horses, new,	232.10	
Shoeing,	339.75	
Doctor and medicine,	72.65	
	<hr/>	\$6,159.34
Telephone service,		26.65
Tractor :		
Labor, repairing,	307.13	
Insurance,	138.00	
Oil and gas,	308.95	
New parts,	172.42	
Express,	11.84	
Repairs and supplies,	72.26	
	<hr/>	1,010.60
Trunk Line :		
Labor,	7,420.89	
Patching,	583.94	
Repairs,	25,391.02	
Culverts,	99.16	
Supplies,	1,599.80	
Labor B. and M. railroad,	61.31	
Asphalt,	1,581.62	
Freight,	282.30	
Inspection,	289.25	
Repairs, Gully Hill,	682.20	
Freight,	68.31	
Repairs, Black Hill,	174.69	
Repairs, Loudon road,	1,469.39	
Repairs, Dimond Hill,	4,990.42	
Repairs, Dimond Hill bridge,	1,869.69	
	<hr/>	46,563.99
Ward 7, Ward House :		
Labor repairing,	155.02	
Supplies,	5.12	
	<hr/>	160.14

## BOARD OF PUBLIC WORKS.

299

Water Department,		\$10.33
Water Pump, new,	\$89.05	
Freight,	1.29	
	<hr/>	90.34
Watering troughs:		
Maintenance,	26.00	
Labor, repairing,	27.44	
Repairs and supplies,	29.29	
	<hr/>	82.73
		<hr/>
		\$134,753.79

## PENACOOK DISTRICT.

Bridges:		
Labor, repairing,	\$685.37	
Removing snow,	9.82	
Labor, repairing walks,	167.18	
Labor, repairing fences,	4.39	
Supplies,	739.75	
	<hr/>	1,606.51
Breaking roads, labor,		1,467.50
Cleaning crossings,		74.83
Culverts:		
Repairing,	23.58	
Cleaning,	1.11	
Supplies,	35.22	
	<hr/>	59.91
Dragging,	192.39	
Supplies,	1.20	
	<hr/>	193.59
Fences, labor, repairing,		38.18
General repairs, labor,	187.05	
Repairs and supplies,	77.20	
Repairing tools,	30.39	
	<hr/>	294.64
Gutters:		
Ditching,	243.78	

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## CITY OF CONCORD.

Cleaning,	\$1,695.64	
Repairing,	2.52	
	<hr/>	\$1,941.94
Leveling snow,		1,053.76
Patching, labor,	2,470.47	
Supplies,	107.50	
	<hr/>	2,577.97
Plowing walks, labor,	276.50	
Repairs on plows,	3.50	
Supplies,	.18	
	<hr/>	280.18
Playground committee,		7.25
Sanding walks, labor,	176.12	
Sand,	26.89	
	<hr/>	203.01
Repairs on shoulders,		29.37
Washington street,		6,472.22
Watering trough,		9.00
		<hr/>
		\$16,309.86

## EAST CONCORD DISTRICT.

Breaking roads,	\$493.50
Bridges, labor, repairing,	5.56
Culverts, labor, repairing,	53.85
Labor, cleaning,	3.00
Dragging,	45.43
Gutters, labor, cleaning,	230.21
Fences, labor, repairing,	10.00
Supplies,	3.30
General repairs and supplies,	15.27
Leveling snow,	251.89
Patching, labor,	767.09
Supplies,	9.50
Plowing walks,	56.27
Sanding walks,	3.11
Sand,	23.77

## BOARD OF PUBLIC WORKS.

301

Shoveling snow,	\$50.76	
Watering trough,	9.00	
		\$2,031.51

## WEST CONCORD DISTRICT.

Breaking roads,	\$1,572.35	
Culverts, labor, repairing,	31.57	
Cutting bushes,	53.88	
Supplies,	5.29	
Dragging,	279.05	
Driveways, labor, repairing,	36.84	
Fences, labor, repairing,	38.78	
Supplies,	18.74	
Gutters, labor, cleaning,	362.40	
Labor, ditching,	168.86	
Supplies,	101.45	
Leveling snow, labor,	751.12	
Supplies,	12.15	
Patching, labor,	1,789.09	
Supplies,	6.86	
Picking paper,	56.67	
Plowing walks,	140.00	
Removing stone,	10.11	
Road machine,	251.28	
Sanding walks,	91.51	
Rolling snow,	75.45	
		\$5,853.45

## DIMOND AND SILVER HILL.

Breaking roads,	\$572.51
Bridges, labor, repairing,	10.00
Dragging,	203.00
Driveways, labor, repairing,	7.00
General repairs,	7.67
Leveling snow,	357.93

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CITY OF CONCORD.

Patching,	\$271.89	
Repairs and supplies,	228.70	
	—————	\$1,658.70

DISTRICT No. 4.

Breaking roads,	\$487.77	
Leveling snow,	17.50	
Shoveling snow,	34.50	
	—————	\$539.77

EGYPT AND PLAINS DISTRICT.

Breaking roads,	\$670.57	
Culverts, labor, repairing,	43.50	
Dragging,	79.11	
Fences, labor, repairing,	168.89	
General repairs and supplies,	297.79	
Leveling snow,	974.44	
Patching, labor,	548.32	
Supplies,	32.70	
Plowing,	124.67	
Sand,	10.00	
Labor and supplies,	629.41	
Watering trough,	3.00	
	—————	\$3,582.40

HOIT DISTRICT.

Breaking roads,	\$378.77	
Bridges, labor, repairing,	5.56	
Dragging,	45.00	
Leveling snow,	108.66	
Patching,	146.78	
Shoveling snow,	19.33	
Supplies,	1.50	
	—————	\$705.60

## BOARD OF PUBLIC WORKS.

303

## IRON WORKS DISTRICT.

Shoveling snow,		\$220.67
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## JORDAN DISTRICT.

Breaking roads,	\$242.97	
Shoveling snow,	216.02	
	<hr/>	\$458.99

## OAK HILL DISTRICT.

Breaking roads,		\$45.00
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## PINE HILL DISTRICT.

Breaking roads,	\$169.70	
Dragging,	3.11	
Leveling snow,	1.67	
	<hr/>	\$174.48

## SANBORN DISTRICT.

Breaking roads, labor,	\$803.44	
Supplies,	6.35	
Cutting bushes,	81.84	
Culverts, labor, repairing,	7.72	
Dragging,	3.89	
Gutters, labor, repairing,	32.78	
Supplies,	45.45	
Leveling snow,	197.02	
Patching,	1,090.61	
Shoveling snow,	22.50	
Watering trough,	6.00	
	<hr/>	\$2,297.60

## SIDEWALKS AND CROSSINGS, NEW.

Appropriation,	\$1,500.00
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## Expenditures:

## CENTRAL DISTRICT.

Labor,	\$308.33	
Grading,	110.24	
Setting edge stones,	35.89	
Ferry street,	531.39	
Cement,	345.32	
Gravel,	1.25	
Lumber,	19.00	
Nails and rope,	7.52	
		1,358.94
Transferred to general maintenance,		141.06
		\$1,500.00

## SIDEWALKS AND CROSSINGS, REPAIR.

Appropriation,	\$3,000.00
Transferred from General Maintenance,	1,021.49
	\$4,021.49

## Expenditures:

## CENTRAL DISTRICT.

Repairing walks,	\$180.59	
Repairing crossings,	45.66	
Repairing edgestones,	67.06	
Removing gutter,	22.50	
G. F. Tandy:		
Repairing walks,	2,862.22	
Repairing crossings,	95.48	
Repairing driveways,	245.28	
		3,518.79

## BOARD OF PUBLIC WORKS.

305

## PENACOOK DISTRICT.

Repairing walks,	\$132.56	
Repairing walks, G. F. Tandy,	147.98	
	<hr/>	\$280.54

## EAST CONCORD DISTRICT.

Repairing walks,	13.77
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## WEST CONCORD DISTRICT.

Repairing walks,	145.39
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## EGYPT AND PLAINS DISTRICT.

Repairing walks,	63.00	
	<hr/>	\$4,021.49

## GARBAGE.

Appropriation,	\$24,000.00	
Earnings for 1923,	252.05	
Transferred from General Maintenance,	2,281.30	
	<hr/>	\$26,533.35
Expenditures:		
Collecting garbage,	\$9,936.44	
Collecting table garbage,	5,329.38	
Collecting paper,	1,725.98	
Picking paper,	60.83	
Leveling ashes,	1,432.43	
Patrol carts:		
Labor,	2,331.69	
Repairs and painting,	44.70	
Supplies,	61.96	
Repairs to paper wagon,	15.00	
Repairs to Peerless truck,	233.50	

Cleaning river bank,	\$58.50	
Repairing Rifle Range road,	28.35	
Removing chimney at Rifle Range,	5.28	
Fighting fires at Rifle Range,	812.19	
Ford Trucks :		
Exchange,	400.00	
Insurance,	104.00	
Labor repairing,	317.56	
Repairs and supplies,	243.42	
New Parts,	170.05	
Gas and oil,	1,084.31	
Tires,	357.17	
Deficit from 1922,	1,780.61	
		<u>          </u> \$26,533.35

## SPRINKLING.

Appropriation,	\$7,000.00	
Balance from 1922,	105.70	
Appropriation, Penacook,	700.00	
Balance from Penacook, 1922,	94.93	
Transferred from General Maintenance,	66.28	
		<u>          </u> \$7,966.91

## Expenditures :

Sprinkling, labor,	\$490.66
Flushing, labor,	494.50
Oiling, labor,	52.10
Dusterine,	609.25
Freight,	101.27
Calcium chloride,	3,989.07
Freight,	795.06
Unloading,	43.13
Labor applying,	279.43
Supplies,	25.75
Penacook, Boscawen Water Works,	12.00

Repairs and cleaning stand pipe,	\$40.99	
Repairs flushing trucks,	264.71	
Repairs to sprinkler,	44.42	
Supplies,	35.53	
Repairs to oiler,	2.54	
Concord Fire Department hose,	70.00	
Gas and oil,	486.50	
Insurance,	130.00	
	<hr/>	\$7,966.91

## CATCH BASINS.

Appropriation, \$3,000.00

Expenditures:

## CENTRAL DISTRICT.

Labor:

Building,	\$294.32
Cleaning,	539.47
Flushing,	167.75
Repairing,	190.17
Thawing,	164.09

Supplies:

Boiler,	85.00
Boiler supplies,	68.74
Hose,	68.00
Spoons,	15.00
Couplings,	2.16
Pipe,	228.18
Cement,	9.00
Grates,	54.00
Wood,	37.53

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1,923.41

## CITY OF CONCORD.

## PENACOOK DISTRICT.

Labor :		
Cleaning,	\$218.05	
Repairing,	37.89	
Thawing,	28.70	
Supplies :		
Brick,	7.79	
Cement,	4.60	
Grates,	18.00	
Pipe,	12.15	
	<hr/>	\$327.18

## EAST CONCORD DISTRICT.

Labor, cleaning,	18.54
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## WEST CONCORD DISTRICT.

Labor, cleaning,	41.00
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## EGYPT AND PLAINS DISTRICT.

Labor, cleaning,	10.00
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Total expenditures,	<hr/>	\$2,320.13
Transferred to General Maintenance,		679.87
	<hr/>	\$3,000.00

## SUPERINTENDENT'S SALARY.

Appropriation,	\$3,000.00
Expended,	3,000.00

**REPORT OF THE SEWER DEPARTMENT.**

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CONCORD, N. H., December 31, 1923.

*To the Board of Public Works:*

GENTLEMEN: The thirteenth annual report to your board showing work done under the supervision of the Engineering Department, for your board, for the fiscal year ending December 31, 1923, is herewith submitted.

This report is written with the idea that it is useful, principally as a record of facts pertaining to the amount of work done, and to the costs, given in such form as will permit comparison with costs of previous years, thereby furnishing a check on relative efficiency, etc.

In this report I shall make no recommendations, believing it to be more appropriate to make them to your board at your regular sessions, when the opportunity is always open.

**SEWERS.**

There were laid during the year 1923, 3,072 feet of Akron pipe, or 0.5818 miles, subdivided as follows:

Holly Street: 135 feet of 10-inch.

Dunklee Street, from Holly Street, north: 253 feet of 8-inch.

Princeton Street: 210 feet of 10-inch.

Rowell Street: 172 feet of 8-inch.

White Street: 110 feet of 8-inch.

Broadway, opposite Wood Avenue: 68 feet of 12-inch, 110 feet of 10-inch.

Broadway, north of McKinley Street: 210 feet of 10-inch.

Water and Hall Streets: 109 feet of 8-inch.

Broad Avenue: 338 feet of 12-inch, 487 feet of 10-inch.

Depot Street: 94 feet of 24-inch, double strength, 190 feet of 18-inch.

Harrison Street: 60 feet of 8-inch.

Dunklee Street, south of Allison Street: 134 feet of 10-inch.

Dunklee Street, north of Allison Street: 94 feet of 10-inch.

Wood Avenue: 8 feet of 10-inch, 290 feet of 12-inch.

HOLLY STREET EXTENSION AND DUNKLEE STREET.

*North of Holly Street.*

Paid for labor,	\$893.33
trucking,	47.89
pipe,	130.73
cement,	7.20
insurance,	24.12
kerosene oil,	5.00
brick,	10.00
casting,	15.75

Total cost,	<u>\$1,134.02</u>
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Pipe laid:	
10-inch Akron,	135 feet
8-inch Akron,	253 feet

Total length,	<u>388 feet</u>
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Cost per foot, \$2.922+.

Material excavated, sand and clay.

PRINCETON STREET.

*North from Noyes Street.*

Paid for labor,	\$151.33
trucking,	17.00
pipe,	90.41
cement,	1.80
insurance,	4.07

Total expenditure,	<u>\$264.61</u>
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Pipe laid: 210 feet of 10-inch Akron.

Cost per foot, \$1.260+.

Material excavated, sand.

ROWELL AND WHITE STREETS.

Paid for labor,	\$220.97
trucking,	26.89
pipe,	80.93
cement,	8.55
brick,	15.00
castings,	31.50

Total expenditure,	\$383.84
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Pipe laid: 282 feet of 8-inch Akron.

Cost per foot, \$1.361+.

Material excavated, gravel, sand and hard-pan.

BROADWAY EXTENSION.

*Opposite Wood Avenue.*

Paid for labor,	\$140.20
cement,	7.60
casting,	15.75
brick,	10.00
pipe,	84.99
trucking,	8.00

Total expenditure,	\$266.54
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Pipe laid:

12-inch Akron,	68 feet
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10-inch Akron,	110 feet
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Total length,	178 feet
---------------	----------

Cost per foot, \$1.497+.

Material excavated, sand.

## BROADWAY EXTENSION.

*North of McKinley Street.*

Paid for labor,	\$195.96
trucking,	14.94
pipe,	90.41
cement,	1.90
	<hr/>
Total expenditure,	\$303.21

Pipe laid: 210 feet of 10-inch Akron.

Cost per foot, \$1.443+.

Material excavated, gravel and running sand.

## SEWER FROM WATER STREET TO HALL STREET

across land of

Rolfe and Rumford Asylum.

Paid for labor,	\$256.99
trucking,	1.78
pipe,	36.62
cement,	.90
kerosene oil,	1.00
insurance,	6.94
	<hr/>
Total expenditure,	\$304.23

Pipe laid: 109 feet of 8-inch Akron.

Cost per foot, \$2.791+.

Material excavated, sand, gravel, hard-pan, boulders, and ledge.

## BROAD AVENUE.

Paid for labor,	\$632.67
trucking,	25.50
pipe,	396.73
cement,	9.00
insurance,	17.07

## BOARD OF PUBLIC WORKS.

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Paid for brick,	\$15.00
castings,	31.50
oil,	2.00
	<hr/>
Total expenditure,	\$1,129.47
Pipe laid:	
12-inch Akron,	338 feet
10-inch Akron,	487 feet
	<hr/>
Total length,	825 feet
Cost per foot, \$1.369+.	
Material excavated, loam and sand.	

## DEPOT STREET.

*Overflow from North Main Street.*

Paid for labor,	\$1,115.11
trucking,	43.17
pipe,	368.18
cement,	16.20
brick,	12.00
hardware,	4.97
kerosene oil,	3.00
casting,	15.75
coal tar concrete,	78.05
insurance,	27.89
	<hr/>
Total expenditure,	\$1,684.32
Pipe laid:	
24-inch Akron,	94 feet
18-inch Akron,	190 feet
	<hr/>
Total length,	284 feet
Cost per foot, \$5.930+.	
Material excavated, sand, gravel, boulders, and hard-pan.	

## HARRISON STREET EXTENSION.

*West of Morton Street.*

Paid for labor,	\$43.33
pipe,	17.22
cement,	.95
trucking,	1.94
	<hr/>
Total expenditure,	\$63.44

Pipe laid: 60 feet of 8-inch Akron.

Cost per foot, \$1.057+.

Material excavated, gravel, muck, and running sand.

## DUNKLEE STREET.

*South of Allison Street.*

Paid for labor,	\$103.24
trucking,	1.56
pipe,	67.54
cement,	.90
insurance,	2.79
	<hr/>
Total expenditure,	\$176.03

Pipe laid: 134 feet of 10-inch Akron.

Cost per foot, \$1.313+.

Material excavated, sand.

## DUNKLEE STREET.

*North of Allison Street.*

Paid for labor,	\$63.76
trucking,	7.78
pipe,	47.38
cement,	.90
insurance,	1.72
	<hr/>
Total expenditure,	\$121.54

Pipe laid: 94 feet of 10-inch Akron.  
 Cost per foot, \$1.293+.  
 Material excavated, sand.

## WOOD AVENUE.

Paid for labor,	\$196.67
trucking,	18.33
brick,	5.00
pipe,	163.96
cement,	3.60
castings,	15.75
insurance,	5.30
	<hr/>
Total expenditure,	\$408.61

## Pipe laid:

10-inch Akron,	8 feet
12-inch Akron,	290 feet
	<hr/>
Total length,	298 feet

Cost per foot, \$1.371+.  
 Material excavated, sand.

## SAINT PAUL'S SCHOOL SEWERS.

No extensions were built in 1923.

The flush-tank pipe on Hopkinton Road became filled with roots, and as this trouble had occurred before, it seemed wise to build a manhole just south of the flush-tank to replace the existing lamp-hole. This was done and in the future any trouble from stoppage can be relieved at small cost.

## Cost of removing roots:

Labor.	Trucking.	Total.
\$38.38	\$2.94	\$41.32

Cost of building manhole:

Labor.	Trucking.	Cement.	Brick.	Casting.	Total.
\$33.28	\$9.72	\$7.60	\$7.50	\$15.75	\$73.85

EAST CONCORD SEWERS.

No extensions or repairs were made in 1923.

WEST CONCORD SEWERS.

No extensions were built in 1923.

There was a break in the main line in North State Street opposite the mill, causing the relaying of 8 feet of 10-inch pipe at the following cost:

Labor.	Trucking.	Pipe.	Cement.	Insurance.	Total.
\$9.55	\$3.50	\$3.44	\$0.90	\$0.26	\$17.65

Repairs were made on the 20-inch outlet, costing:

Labor.	Trucking.	Cement.	Total.
\$6.50	\$1.17	\$0.90	\$8.57

Repairs were made to manholes in North State Street opposite mill, costing:

Labor.	Cement.	Total.
\$12.00	\$0.90	\$12.90

On account of road improvement, manholes were raised to street level at the following cost:

Labor.	Trucking.	Cement.	Casting.	Insurance.	Total.
\$79.10	\$17.49	\$1.80	\$15.75	\$2.14	\$116.28

The entire system was flushed at a cost of:

Labor.	Trucking.	Total.
\$26.83	\$6.61	\$33.44

## PENACOOK SEWERS.

No extensions were built in 1923.

The cost of flushing the system was as follows:

Labor	Trucking.	Insurance.	Total.
\$116.00	\$22.94	\$2.57	\$141.51

During the year there were three main line plugs, namely:

Overflow at Merrimack Street:

Labor.	Trucking.	Insurance.	Total.
\$14.00	\$3.11	\$0.38	\$17.49

Bye Street at Merrimack Street:

Labor.	Trucking.	Cement.	Insurance.	Total.
\$42.00	\$1.56	\$1.13	\$1.20	\$45.89

Bye Street:

Labor	Trucking.	Insurance.	Total.
\$9.67	\$1.56	\$0.21	\$11.44

The improved roadway on Washington Street made it necessary to raise manholes to street level at the following cost:

Labor.	Trucking.	Cement.	Castings.	Insurance.	Total.
\$46.67	\$9.45	\$3.40	\$26.75	\$0.54	\$86.81

Sewers built in the City Proper to December 31, 1923:

6-inch Akron pipe,	3,088 feet
8-inch Akron pipe,	26,361 "
10-inch Akron pipe,	58,052 "
12-inch Akron pipe,	40,436 "
12-inch cement pipe,	415 "
15-inch Akron pipe,	13,640 "
18-inch Akron pipe,	7,324 "
20-inch Akron pipe,	5,029 "
24-inch Akron pipe,	4,792 "
30-inch Akron pipe,	1,780.5 "

Brick, 12-inch x 14-inch,	2,758 feet
14-inch x 22-inch,	350 "
16-inch x 24-inch,	1,848 "
20-inch x 32-inch,	2,527 "
24-inch x 36-inch,	17,937 "
28-inch x 48-inch,	883 "
24-inch circular,	1,515.5 "
30-inch circular,	402 "
38-inch circular,	4,080 "
24-inch cast-iron,	1,576 "
30-inch cast-iron,	1,054.5 "
33-inch segmental block,	1,536.5 "
42-inch segmental block,	1,055 "
42-inch brick and concrete,	246 "
60-inch brick and concrete,	1,450 "

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A total of, 200,136 feet

Total miles in City Proper, 37.904+.

Sewers built in East Concord to December 31, 1923:

10-inch Akron pipe,	1,766 feet
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Total miles, 0.333+.

Sewers built in Penacook to December 31, 1923.

6-inch Akron pipe,	160 feet
8-inch Akron pipe,	7,083 "
10-inch Akron pipe,	8,976 "
10-inch cast-iron pipe,	76 "
12-inch Akron pipe,	4,124 "
15-inch Akron pipe,	2,263 "
18-inch Akron pipe,	2,437 "
24-inch Akron pipe,	726 "

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Total, 25,845 feet

Total miles, 4.894+.

## Sewers built in West Concord to December 31, 1923:

8-inch Akron pipe,	342 feet
10-inch Akron pipe,	7,210 "
12-inch Akron pipe,	6,622 "
15-inch Akron pipe,	2,155 "
20-inch Akron pipe,	1,403 "
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Total,	17,732 feet

Total miles, 3.358+.

## Sewers built at St. Paul's School to December 31, 1923:

6-inch Akron pipe,	3,008 feet
8-inch Akron pipe,	448 "
10-inch Akron pipe,	2,868 "
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Total,	6,324 feet

Total miles, 1.197+.

Total number of miles built by City, 47.686+.

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 MANHOLES.—RAISED AND REPAIRED.

## Manholes raised on account of road improvements:

LOCATION.	Labor.	Trucking.	Cement.	Casting.	Ins.	Total.
No. Spring and Rumford Sts. ....	\$8.67	\$1.94	\$0.90	\$33.00	\$0.23	\$44.74
Pleasant St. ....	11.66	1.00	0.90	22.00	0.29	35.85
Pleasant St. ....	18.00	....	0.90	....	0.49	19.36
No. State St., opp. Prison ....	18.00	7.00	0.90	....	0.49	26.39

## MAIN LINE REPAIRS, CITY PROPER.

LOCATION.	Labor.	Pipe.	Trucking.	Ins.	Total.
Prince St. Outlet ..	\$6.50	\$2.58	\$1.17	\$0.18	\$10.43

## MANHOLES REPAIRED.

LOCATION.	Labor.	Casting.	Ins.	Cement.	Trucking.	Total.
Harrison St.						
opp. Morton ...	\$10.17	\$15.75	....	\$0.90	....	\$26.82
Prospect St. ....	20.33	31.50	....	3.80	....	55.63
Franklin St.						
at Rumford ....	10.94	15.75	....	0.90	....	27.89
No. Main St.						
at Center .....	4.50	.....	\$0.12	0.45	....	5.07
Clinton St. at						
So. Spring .....	1.00	7.85	0.02	....	\$0.78	9.65

## MANHOLES BUILT.

Other than those on Construction Jobs.

LOCATION.	Labor.	Trucking.	Brick.	Cement.	Casting.	Total.
Opp. No. 3,						
Broadway .....	\$38.44	\$7.72	\$7.00	\$3.80	\$15.75	\$72.71
Opp. 73 So. St. ...	33.12	3.44	8.00	3.80	15.75	64.11
Opp. 71 So. St. ....	38.00	2.67	7.00	3.80	15.75	67.22
Morton St., north						
end of .....	24.33	2.94	13.54	3.40	15.75	59.96
Morton St. opp.						
No. 8 .....	27.17	1.00	13.54	3.40	15.75	60.86
Badger St., north						
end of .....	36.17	3.50	10.00	3.40	15.75	68.82
Thorndike St. at						
State St. ....	39.00	1.94	8.57	3.40	15.75	68.66
Curtis Ave., opp.						
No. 6. ....	49.67	....	9.00	4.75	15.75	79.17
Granite Ave.,						
west end .....	26.00	1.94	9.00	2.85	15.75	55.54
Curtis Ave., opp.						
No. 14. ....	42.67	....	10.00	5.70	15.75	74.12
Waverly St., at						
State St. ....	42.00	5.44	5.00	4.75	15.75	72.94
Dunklee St., opp.						
No. 8 .....	56.34	4.28	10.00	7.60	15.75	93.97
Tremont St., near						
No. State St. ....	44.33	5.44	5.00	7.60	15.75	78.12
Downing St., at						
So. State St. ....	33.67	3.50	7.50	4.75	15.75	65.17
West St., at So.						
State St. ....	56.17	5.83	10.00	7.60	15.75	95.35

LOCATION.	Labor.	Truck- ing.	Brick.	Cement.	Cast- ing.	Insur- ance.	Total.
Pleasant St., west of Liberty St....	\$34.00	\$1.94	\$10.00	\$7.20	\$15.75	\$0.92	\$69.81
Holly St. ....	81.33	8.17	13.00	9.00	15.75	2.19	129.44
Laurel St., opp. Store .....	53.83	7.78	10.00	5.40	15.75	1.45	94.21
Laurel St., opp. Pierce St.....	41.00	5.44	10.00	5.40	15.75	1.10	78.69
Highland St.....	38.00	7.00	10.00	5.40	15.75	1.03	77.18
No. Main St., opp. Bridge St. ....	114.67	14.00	12.00	7.20	15.75	3.10	166.72

## MAIN LINE PLUGS.

LOCATION.	Labor.	Truck- ing.	Oil.	Ins.	Total.	Cause.
Curtis Ave. ....	\$10.00	\$2.00	.....	....	\$12.00	Sand, sticks, paper and wire
Curtis Ave. ....	23.00	3.00	\$1.40	....	27.40	Sand, bottle, doorknob
Perley .....	37.34	1.56	.....	....	38.90	Sand
Badger.....	10.85	.....	.....	....	10.83	Roots
Dunklee.....	16.50	3.50	.....	....	20.00	Roots
Walker .....	10.00	1.50	.....	....	11.50	Sticks and roots
Tremont .....	4.00	1.56	.....	....	5.56	Sticks
Hall .....	15.00	1.94	.....	....	16.94	Sticks
Albin .....	7.33	1.56	.....	\$0.20	9.07	Roots
Jackson .....	13.67	2.33	.....	.37	16.37	Sand
Police Station Sewer .....	10.83	1.94	.....	.24	13.01	Grease
Thorndike.....	14.00	2.00	.....	.31	16.31	Roots and sticks
Lyndon .....	.50	.39	...	.01	.90	Sand and leaves
Harvard .....	11.50	1.94	.....	.25	13.69	Sand
Highland .....	7.00	2.72	.....	.15	9.87	Sand
Badger.....	6.67	1.56	.....	.15	8.38	Roots
Police Sta. ....	18.00	1.17	.40	4.50	24.07	Burlap
Carter St. ....	4.75	1.00	.....	.10	5.85	Sand
Lyndon .....	2.64	.....	.....	.06	2.70	Sand
Total cost of cleaning main lines					\$263.37	

## LATERAL PIPES.

There have been 82 complaints in the city proper of plugs in pipes from main sewers to street lines.

All cases were immediately investigated and obstruction removed.

Only cases where expenditures were made will be given in this report.

Total cost of cleaning lateral pipes, \$435.10.

Itemized as follows:

	Labor.	Truck- ing.	Ins.	Total.	Cause.
American House	\$42.17	\$1.17	\$0.93	\$44.27	Sticks and barn dressing
8½ Curtis Ave. . .	3.00	2.33	.06	5.39	Roots on priv. lands
51 Thorndike . . .	6.00	.78	.13	6.91	Roots
192 So. Main . . .	2.00	.78	.04	2.82	Roots and rags
14 Curtis Ave. . .	1.00	1.00	.02	2.02	Roots on priv. lands
15 Curtis Ave. . .	1.00	1.00	.02	2.02	No trouble found
81 Pleasant St. . .	2.64	....	.06	2.70	Roots

## Cleansed and Repaired

## Cost.

LOCATION.	Labor.	Truck- ing.	Ins.	Oil.	Con- crete.	Total.	Cause.
17 Tahanto St. . .	\$18.00	\$3.00	...	.....	.....	\$21.00	Grease in trap
32 Hall St. . . . .	14.00	2.00	...	.....	.....	16.00	Roots
174 No. State St.	5.00	2.00	...	.....	.....	7.00	Paper
Parochial Sch'l Thorndike St.	11.00	2.00	...	\$1.40	.....	14.40	Roots
121 Broadway ..	16.00	2.00	...	1.40	.....	19.40	Broken pipe
35 Bradley St. . .	5.00	2.00	...	.....	.....	7.00	Grease
10 Walker St. . .	14.00	2.00	...	.....	.....	16.00	Grease
19 Eastman St. . .	6.50	2.00	...	1.40	.....	9.90	Roots
8 Liberty St. . . .	22.50	2.00	...	.....	\$2.42	26.92	Roots
Gifford's Store, Broadway . . . .	9.00	2.00	...	0.95	.....	11.95	Roots
33 Broadway . . .	4.00	2.00	...	.....	.....	6.00	Roots
4 Orchard St. . . .	4.50	.....	...	.....	.....	4.50	Not con'c'd with sewer

LOCATION.	Labor.	Truck- ing.	Ins.	Oil.	Con- crete.	Total.	Cause.
3 Broadway . . . .	\$6.23	.....	...	.....	.....	\$6.23	Roots
8 Kimball St....	10.88	.....	...	.....	.....	10.88	Roots
Railr'd St., Ford & Kimball F'dry	3.11	.....	...	.....	.....	3.11	Paper
57 Downing St. .	10.89	.....	...	.....	.....	10.89	Roots
82 School St. ....	5.34	\$1 56	...	.....	.....	6.90	Roots
14-16 Perley St..	4.44	.....	...	.....	.....	4.44	Pipe clear, had been plugged
8 Morton St. ....	0.89	.....	...	.....	.....	0.89	Clear
10 Morton St. ....	2.66	.....	...	.....	.....	2.66	Clear

## LATERAL PIPES.

## Cleaned and Repaired.

## COST.

LOCATION.	Labor.	Truck- ing.	Ins.	Pipe.	Total.	Cause.
7 Laurel St. ....	\$8.00	.....	.....	.....	\$8.00	Roots
28 Pierce St. ....	2.00	.....	.....	.....	2.00	Roots and grease
7 Thorndike St.	3.00	.....	.....	.....	3.00	Paper and rags
7 Green St. ....	5.00	.....	.....	.....	5.00	Grease
50 So. Spring St.	4.00	.....	.....	.....	4.00	On private land poor plumb'g
30 Stone St. ....	2.00	\$2.00	.....	.....	4.00	Cement in joints
6 Tremont St. ..	8.67	1.50	.....	.....	10.17	Roots and paper
8 Park Ridge...	8.67	1.56	.....	.....	10.23	Roots
21 No. State St..	18.50	1.17	.....	\$2.36	22.03	12 ft. cement pipe broken
8 Dunklee St. ...	9.00	.....	.....	.....	9.00	Roots
22 Walker St. ...	7.00	2.33	.....	.....	9.33	Roots
24-26 Lyndon St.	2.85	.....	\$0.08	.....	2.93	Sand
93 School St. ...	8.33	1.94	0.24½	.....	10.49	Roots
17 Tahanto St. ...	8.33	1.94	0.22	.....	10.49	Roots
19 Tahanto St. ...	5.00	.....	0.11	.....	5.00	Roots
95 Broadway....	5.67	1.94	0.12	.....	7.73	Roots
46 Allison St. ...	9.33	1.94	0.20	.....	11.47	Roots
5 Harvard St. ..	8.67	1.56	0.19	.....	10.42	Grease
5 Harvard St. ..	5.00	1.94	0.11	.....	7.05	Roots
12 Badger St. ...	8.33	1.94	0.18	.....	10.45	Roots

## FINANCIAL STATEMENT.

Appropriation for construction and repairs,	\$10,870.60
Special appropriation for construction,	3,000.00
1922 balance from precincts,	452.09
1923 earnings of department,	59.15
	<hr/>
Funds available,	\$14,381.84

## Disbursements.

1922 debit balance,	\$2,547.14
Expended for construction and repairs,	11,505.68 \$14,052.82
	<hr/>
Balance,	\$329.02

## Expenditures Itemized.

Labor,	\$7,296.40
Pipe,	1,673.35
Cement,	188.00
Brick,	241.25
Castings,	754.95
Trucking,	659.73
K. Oil,	18.25
Lanterns,	11.50
Ruby lantern globes,	1.40
Coal tar concrete,	84.97
Danger signs,	7.25
Manila rope,	4.16
Iron rods,	2.37
Hand drills,	3.57
Shims and wedges,	2.64
Steel clamps,	.60
Hammer handles,	3.30
Rubber boots,	9.90
Anvil and tongs,	5.00

## BOARD OF PUBLIC WORKS.

325

Cold chisels,	\$1.70
Steel wheelbarrow,	6.50
Brick hammer,	1.25
Time book,	1.20
Paint,	3.70
Old fire hose,	60.00
Insurance,	136.57
Nails,	1.16
Screws,	.24
Shovels,	9.00
Pails,	1.30
Pick Handles,	3.25
Brick trowel,	1.50
Axe,	2.00
Lumber,	120.46
Repairs rubber boots,	.50
Vice signals,	1.00
Folders,	2.50
Sewer rods,	40.00
Index cards and guides,	19.50
Bolt,	.04
Flash light,	3.25
Ball twine,	.40
Express on sewer rods,	3.89
Light city sheds,	36.17
Freight,	1.11
Repair chain rope,	.25
Suction hose,	37.00
Salamander,	8.25
Lead ladle,	.70
Asbestos jointer,	2.20
Lead pot and hooks,	4.00
No. 3 diaphragm,	2.00
Battery,	.50
Record book,	24.00
Total,	<hr/> \$11,505.68

The sewer system appears at present to be in good condition except on streets where poplar trees exist; the list of main line plugs shows this to be true and no damage has been done to private property.

One problem that will have to be solved if street surfaces are to be made of material other than gravel in its natural state, namely, the run off of surface water; this can be partially met by connecting all catch-basins outlet pipes into manholes and if there are no manholes where catch-basins now exist they should be built.

#### Labor.

This department is handicapped, especially in the winter and early spring by not having a permanent organization of workmen, it being about impossible to hire one or two men to go out on sewer plugs in the winter months for only a few hours work, in the water and filth.

This year, thanks to the untiring efforts of Mr. John S. B. Davie and Mr. William H. Riley of the State Board of Labor, we were able to obtain a sufficient number of high grade workmen to complete all the construction jobs that we were instructed to build.

As a check on the efficiency of this year's working force the following facts will be of interest.

In 1922 the department laid 4,964 feet of pipe at a labor cost of \$6,756.62 or an average cost of \$1.361+ per foot, wages were \$3.00 for workmen and \$6.00 for foreman for a nine hour day.

In 1923 the department laid 3,072 feet of pipe at a labor cost of \$4,013.56 or an average of \$1.274+ per foot, wages were \$4.00 and \$4.50 for workmen, and \$6.00 for foreman for a nine hour day.

The character of the work and material excavated were, from a construction standpoint, substantially the same both years and although the wages for workmen were increased from 33 1-3 to 50% over 1922 wages, the depart-

ment was able to complete the year's construction at practically the same cost per foot as in 1922.

I find that the better the men are paid, the more work is done in the same number of hours. The above proves this to be true as the quality of labor was of the same high standard in both years.

The maintenance of the sewer system has been carried on with Mr. John Henry Sanborn as foreman, who has at the close of this season's work, completed fifty years of service for the City of Concord on sewer work, during which time he has rendered a service that probably cannot be equaled by any man, always working for the interest of the City and safety of his workmen.

The employees working under Mr. Sanborn this season were William H. Murphy, Walter S. Dow, and Michael Donahue, all of whom have rendered valuable service to the department. During the year new sheds, made of metal, were erected at the City Shed site, thus relieving a long needed requirement. We are now able to store our equipment under cover and thus prolong its usefulness.

The pipe for the year's work was furnished by Thompson and Hoague Company, agents for the Eastern Clay Goods Company at a discount of 59% off of list.

Cement was purchased of the Concord Lumber Company and Walter S. Dole.

Tools and hardware were purchased from A. H. Britton & Co., Thompson & Hoague Co., and The Bond Company of Boston, Mass.

Oil was purchased from the stores nearest to the jobs.

Lumber was purchased of the Concord Lumber Co.

The heavy trucking was done by George L. Theobald and M. J. Gorham.

#### Notes on Construction.

The foregoing data shows that the major portion of construction was in the southerly section of the city,

where the excavation was mostly sand. Except on Water, Holly, and Dunklee Streets, in every case we were obliged to brace and curb the ditch for safety.

Depot Street construction was the most difficult job, as we had to contend with so many old ditches and pipes. This line as constructed will tend to relieve the congestion in North Main Street line during showers. The easterly side of North Main Street was closed to traffic for seven days at a period when travel was at its highest and yet no accident occurred, either to the traveling public or workmen, owing to the hearty co-operation of the Police Department and the efficiency of the police officers stationed in that vicinity.

Monthly statements of coal tar side-walks, etc., were made, showing the location, quantities laid, price for same, and given to the department or committees having the work done.

In company with one or both of the three members of the committee on locating poles, I have attended to that duty, attended hearings and meetings of your board and furnished such information from this department as was called for.

For the many courtesies extended to me by your board, I wish to express my appreciation.

Respectfully submitted,

FRED W. LANG,  
*City Engineer.*

# PUBLIC LIBRARY.

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## REPORT OF THE TRUSTEES.

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*To the Mayor and Board of Aldermen of the City of Concord, New Hampshire:*

The Trustees of the Public Library herewith transmit the annual report of the librarian containing a brief account of the work of the year 1923.

At the annual meeting of the Trustees held on January 28, 1924, Levin J. Chase, Willis D. Thompson, and T. W. D. Worthen were appointed a committee to make a survey of the public library facilities as found in the City, State, and Historical Society libraries, for the purpose of determining what additional library service ought to be provided for the City and of avoiding any duplication in the service of the three independently operated libraries, especially when the time comes that any extension of the work of the City library is found to be practicable. It is understood that this committee will welcome heartily any suggestions from persons or organizations willing to co-operate in this most important public work.

The Trustees request that the appropriation for 1924 be \$7,000, which is the same as for the last five years, this being the smallest sum rendering possible reasonably adequate service, with the same extreme economy and faithful service on the part of the librarian and her assistants, which have been so conspicuous in the past.

Respectfully submitted,

THOMAS W. D. WORTHEN,

*President of the Board of Trustees.*

February 29, 1924.

### REPORT OF THE CITY LIBRARIAN FOR 1923.

*To the Board of Trustees of the Concord Public Library:*

GENTLEMEN: The annual report is herewith submitted:

#### RECEIPTS.

Adjusted balance from last year,		\$508.05
Appropriation,		7,000.00
Interests:		
Cogswell,	\$85.90	
Lyon,	40.00	
Pierce,	40.00	
Valpey,	20.00	
Haseltine,	133.54	
Jones,	25.14	
Eastman,	75.00	
Chase,	42.50	
B. A. Kimball,	1,000.00	
H. A. Kimball,	100.00	
	<hr/>	1,562.08
Fines,		375.00
		<hr/>
		\$9,445.13

#### EXPENDITURES.

Salaries and labor,	\$5,176.84
Books and periodicals,	2,071.84
Binding,	374.90
Fuel and light,	978.50
Printing,	76.65
Incidentals,	589.84
Balance on hand,	176.56
	<hr/>
	\$9,445.13

## STATISTICS OF CIRCULATION.

No. of bound volumes of fiction lent in 1923,	54,149
No. of volumes of non-fiction,	12,099
No. of periodicals lent,	4,559
	<hr/>
Total circulation,	70,807

(These figures gratifyingly show that the proportion of non-fiction read was larger than in 1922.)

## STATISTICS OF ADDITIONS.

No. of bound volumes at beginning of year,	34,046
No. added by purchase and by binding material not otherwise counted,	979
No. of volumes added by gift,	36
Discarded,	243
Total number owned at end of year,	34,818

Turning from statistics to remarks, there is almost nothing new to be said, but some old points will bear stressing; for instance, in 1922 I enumerated six formidable things which have sprung up to interfere with a public library's popular patronage. I can now mention a seventh,—radio. Although our competition with the movies is an old story, it having been for a good many years that I have heard pupils rush from school calling, "Come on! Let's go to the pictures!" instead of "Let's go to the Library!" *broadcasting* is a new rival; it was only last week that a citizen of brains said to me,

"After my supper, I take up the receiver and listen in; if it is not working well, I put it down and take up a book." You note—the book has the second place in his affections.

With this additional competitor in the field, there is small prospect of a library again being the attraction it once was. All I can say is, when in the not distant

future, film production is eclipsed by an invention which will enable a stay-at-home to see as well as hear, and when motor-cars contest popularity with air-planes, they may see how they like it, to have their business taken away from them! Of course, I am half-laughing as I thus rail, for a public library will always be a prime necessity—our daily reference work alone proves that. And let it be clearly understood, this Concord Library is not unique, for an ex-president of the American Library Association recently alluded, as to a well-known fact, to “the drop in the circulation of books”; and the last Library Journal has two pages on the “increase of recreational opportunities as felt by public libraries.”

It may strike you as inconsistent to report in the same breath less custom and yet ask for better quarters; but we realize as never before, how crowded and old-fashioned our building is. There is a tiresomeness in having nowhere a margin of space. You, in your business, gentlemen of this Board, have seen three clerks needed where one used to suffice, big filing-cabinets installed where a drawer used to answer, telephone extensions where one receiver formerly did well enough—and so on. Well, the years have brought to our little Library also, an increase in *tempo*; the days never seemed so full of rush and interruptions; and to cope with these modern ways of a modern public, we have only our old equipment.

From the figures given at the beginning of this Report, you will see that we have been able to buy more than the usual number of volumes the past year, though the trend of prices is still upward; our increased purchasing power was due to larger interests accruing on our trust funds.

Of the thirty-six books given to the Library, it is not possible to enumerate here the names of the donors; but it may be said that they have been not so often individuals as organizations, such as the Carnegie Endowment for International Peace, and the Rockefeller Foundation.

Our reading room is indebted to the Young People's Christian Union of the Universalist Church for the periodical, "Onward", and to its adult Unity Circle for the Universalist Leader; to the Unitarian Alliance for the "Christian Register"; to the Christian Science Publishing Society for their "Sentinel" and "Journal"; "Everyland" comes from the Federation of Women's Mission Societies in the city, and "The Watchman" from a Baptist friend; "The Union Signal" from the state W. C. T. U., and the national D. A. R. magazine from the local Chapter.

To the new Junior High School Library in Penacook we have contributed about seventy-five volumes (many of them duplicates we owned), which will aid considerably the teachers and pupils there, as they were books selected with that end carefully in view.

There are two points on which we are not satisfied. First, we ought and would like to do more with the schools; and second, we would like to have deposit stations in outlying wards. Delaying the first of these cherished schemes, is the feeling, based upon experience, that in the busy teacher's life, there is hardly a craving, though there is always a willingness, for more book-tools to work with, if that entails responsibility for volumes used freely by pupils. Before the realization of the second project, some way must be found to make our books, displayed in an agency such as a store, safe from removal by customers who take them off without having them charged. Penacook and East Concord are temporarily without a library branch supplied with books from which residents could choose, because it is difficult to find a person who wants, for merely nominal pay, the job of keeping sharp track of deposited volumes and of making record of their circulation.

During the past year we have lost by death the Trustee from Ward 2, Mr. Frank P. Curtis. My memory of him

will be of an interested member of your Board who made great efforts to get over to the annual meetings, though often defeated by the condition of weather or roads.

In November, Miss Clara F. Brown, who began to work for the Library soon after it was moved into this Fowler Building, and who has for these thirty-five years acted as reference librarian, sent in her resignation, to take effect at the close of 1923. Identified as she has been with the Library to which she has devoted most of her life, serving it always to the best of her ability and letting no other interests compare with it, her honorable place in the history of the institution is secure.

Though Mrs. Grace M. Farnum was not a regular member of our staff, she had assisted us so many hours and always so gladly and pleasantly, that we felt deeply her death which occurred in January of 1924.

In closing, let me quote that while the Library is useful and helpful, it has not reached its maximum of helpfulness or usefulness, and it cannot do so until the people themselves realize what it has to give them. We wish everybody would read our monthly lists in the Monitor-Patriot, and note especially the variety of subjects covered by our non-fiction additions.

Respectfully submitted,

GRACE BLANCHARD,  
*City Librarian.*

# POOR DEPARTMENT.

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## FIFTY-SIXTH ANNUAL REPORT OF THE OVERSEER OF THE POOR.

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FOR THE YEAR ENDING DECEMBER 31, 1923.

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*To the Board of Aldermen:*

The undersigned herewith submits the fifty-sixth annual report of expenditures for the poor, including Wards One and Two, for the year ending December 31, 1923:

### CITY POOR.

Appropriation,	\$3,000.00	
Resolution No. 568,	822.27	
	<hr/>	\$3,822.27
Paid groceries,	\$238.74	
fuel,	200.25	
rents,	256.00	
board and care,	2,893.38	
medicine,	18.10	
milk,	105.36	
shoes,	36.44	
burial,	65.00	
miscellaneous,	9.00	
	<hr/>	\$3,822.27

## COUNTY POOR.

Paid groceries,	\$2,250.97	
milk,	310.74	
fuel,	1,704.05	
rents,	2,130.00	
care children,	4,006.52	
board and care,	2,947.71	
shoes and clothing,	214.72	
burials,	120.50	
transient account,	41.60	
miscellaneous,	13.40	
	<hr/>	\$13,740.21
		<hr/>
Total amount paid for aid to poor,		\$17,562.48

## DEPENDENT SOLDIERS, COUNTY.

Paid groceries,	\$112.00	
fuel,	153.00	
rents,	96.00	
board and care,	574.55	
	<hr/>	\$935.55

Respectfully submitted,

ARTHUR E. ROBY,  
*Overseer of the Poor.*

# REPORT OF HISTORY COMMISSION.

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January 1, 1924.

*To the Mayor and Board of Aldermen:*

The History Commission hereby submits the following report for the year ending December 31, 1923:

Number of half-leather-bound copies on hand, Jan. 1, 1923,	33
Number of half-leather-bound copies sold,	2
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Number of half-leather-bound copies on hand, Jan. 1, 1924,	31
Number of cloth-bound copies on hand, Jan. 1, 1923,	527
Number of cloth-bound copies sold,	3
<hr/>	
Number of cloth-bound copies on hand, Jan. 1, 1924,	524
Number of maps on hand, Jan. 1, 1923,	830
Number of maps given out with histories sold (one to each set),	5
Number of maps sold separately,	5
<hr/>	
Number of maps on hand, Jan. 1, 1924,	820

## RECEIPTS FROM SALE OF HISTORIES, 1923.

Two copies, half-leather binding, at \$3.00,	\$6.00
Three copies, cloth binding, at \$2.00,	6.00
Five maps sold separately, at \$.25,	1.25
<hr/>	
Total,	\$13.25

Deposited with the city treasurer, amount received from sale of histories and maps, 1923, treasurer's receipt, number 396, \$13.25

Respectfully submitted,

HENRY E. CHAMBERLIN, Mayor,

WILLIAM L. STEVENS,

ARTHUR E. ROBY, City Clerk,

*History Commission.*

## REPORT OF THE CITY CLERK.

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*To the Board of Aldermen:*

The undersigned herewith presents an account of the amount received from fees, licenses, and other sources for the year ending December 31, 1923:

Marriage licenses,	\$198.00
Dog license fees,	155.80
Recording mortgages,	131.25
Recording conditional sales,	637.85
Recording mortgage discharges,	40.75
Recording assignment of wages,	.75
Recording writs,	9.40
Billiard and pool table license fees,	3.50
Certificate of record and miscellaneous fee,	12.75
House rent, fire chief,	250.00
Bowling alley, billiard and pool table licenses,	300.00
Junk dealers' licenses,	120.00
Job team and passenger carriage licenses,	100.50
Dog licenses,	1,780.77
County poor, Merrimack County,	13,699.21
Dependent soldiers, Merrimack County,	935.55
Municipal primary fees,	68.00
Sale of city histories,	13.25
Druggists' permits to sell liquor,	6.00
Town of Pembroke, aid poor,	70.00
Lease of land, Frank Clark,	100.00
Lease of land, C. S. Piper,	50.00
Refund, printing Pinsonneault case,	12.00
Rebate, Hose Fire Chief,	400.00
Refund, assessors' typewriter,	5.00
Land sold Bertha Palmer,	38.61
Land sold E. C. Durgin,	65.25

Land sold Jos. Hunneyman,	\$9.00
Land sold Concord Electric Co.,	88.66
Work, White Park ball ground, Park Dept.,	44.00
Witness fee, J. H. Morris,	2.12
Estate of Jos. W. Elliott,	235.98
List of dog owners, W. S. Dole,	6.00
A. O. Preston, account of M. J. Preston,	111.00
Bounty hedgehogs,	.40
Bounty wildcats,	40.00
Sale of desks,	70.00
	<hr/>
	\$19,811.35
Motor vehicle permits, 1923,	56.02
Motor vehicle permits, 1924,	11,417.60
	<hr/>
	\$31,284.97

The foregoing amounts have been paid into the City Treasury.

Respectfully submitted,

ARTHUR E. ROBY,  
*City Clerk.*

## **REPORT OF CITY SEALER.**

Covering the Period January 1, 1923, to January 1, 1924.

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*To His Honor Henry E. Chamberlin, Mayor, and the  
Board of Aldermen:*

Four hundred and forty-two (442) scales were tested and sealed, four (4) were confiscated and twenty (20) condemned for repairs which were later reinspected and sealed; forty-two (42) wood carts were measured and marked; five (5) reweighings of coal were made and six (6) coal bins estimated. Thirty-two (32) five-gallon cans were tested and sealed; seventy-five (75) packages containing beans, potatoes, etc., were reweighed; one hundred and ninety-two (192) tests of automatic pumps were made, many of which needed adjustments, ten (10) were condemned for repairs and one (1) completely condemned. All liquid and dry measures were found correct.

Respectfully submitted,

FRED S. PENDLETON,

*City Sealer.*