

THE GRADES—JUNE, 1917.

SCHOOLS.

3		4		5		6									
E.		F.		G.		H.		I.		J.		K.		L.	
P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.
16	4	21	5	9	2	19	1	21	1	22	3	17	1	17	5
18	6	21	9	21	4	14	.....	20	1	12	.....	23	.....	13	.....
36	5	42	2	.....	.....	12	1	39	6	34	4	31	4	36	2
11	1	19	.....	16	1	16	4	9	1	14	2	25	3	32	4
36	2	31	4	30	1	32	4	34	1	40	2	.....	.....	.....	.....
18	2	.....	.....	.....	.....	.....	.....	16	1	9	1	.....	.....	.....	.....
15	.....	11	.....	14	1	9	3	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	19	2	.....	.....	10	1	.....	.....	4	7	.....	.....	6	.....
8	1	.....	.....	8	.....	.....	.....	14	.....	1	.....	5	.....	.....	.....
2	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	1
2	1	3	.....	.....	.....	1	4	.....	.....	3	.....	.....	.....	4	.....
162	22	180	24	98	9	147	20	153	11	146	20	101	8	119	16
88.04		88 23		91.58		88.02		93 29		87.95		92 66		88 14	

PER CLASS.

E	F	G	H.	I.	J.	K	L.
10 yr 2 m	9 yr 6 m	10 yr 9 m	11 yr. 5 m	11 yr 8 m	11 yr 10 m	12 yr 5 m	13 yr 4 m.
9 2	9 11	10 0	11 1	12 2	11 6	12 10	12 1
.....	10 2	.....	11 0	.....	11 3	.....	12 11
9 3	9 1	10 8	10 5	11 8	11 11	12 9	13 0
9 3	9 6	10 4	11 2	10 9	10 10	12 7	13 1
8 6	8 9	10 4	11 2	11 7	11 9	.....	.....
9 8	.....	.....	.....	11 6	11 8	.....	.....
9 9	9 3	10 2	10 5	.....	.....	.....	.....
.....	10 7	.....	11 6	.....	13 11	.....	13 4
9 8	.....	10 6	.....	12 4	.....	12 8	.....
10 6	.....	.....	10 5	.....	.....	.....	11 0
7 6	7 4	.....	9 6	.....	10 0	.....	11 4
.....	7 9	.....	.....	.....	.....	.....	.....
9 yr. 4 m	9 yr 2 m	10 yr 4 m	10 yr 10 m	11 yr. 8 m	11 yr. 8 m	12 yr. 8 m	12 yr 6 m.

MOVEMENT OF PUPILS THROUGH

YEAR.	HIGH							
	7				8			
	M.		N.		O.		P.	
	P.	N.P.	P.	N.P.	P.	N.P.	P.	N.P.
High .....	..	..	..	..	..	..	..	..
Parker .....	..	..	..	..	72	3	131	6
Chandler	59	5	76	10	..	..	..	..
Walker	14	4	26	2	..	..	..	..
Garrison	9	..	6	..	..	..	..	..
Eastman	1	..	7	1	..	..	..	..
Rumford .....	..	..	..	..	..	..	..	..
Kimball .....	..	..	..	..	..	..	..	..
Penacook .....	..	..	..	..	..	..	..	..
Franklin .....	..	..	..	..	..	..	..	..
Dewey .....	..	..	..	..	..	..	..	..
Harriet P. Dame .....	..	..	..	..	..	..	..	..
Cogswell .....	..	..	..	..	..	..	..	..
Millville	8	..	2	..	4	..	..	..
Mountain	5	..	..	..	..	..	..	..
Riverhill .....	..	..	..	2	1	..	..	..
Iron Works	2	..	..	..	..	..	..	..
Total	98	9	117	15	77	3	131	6
Percent promoted	91	59	88	63	96	25	95	62

AVERAGE AGE

	M.	N.	O.	P.
High .....	..	..	..	..
Parker .....	..	..	14 yr. 2 m.	14 yr. 6 m.
Chandler	14 yr. 0 m.	14 yr. 1 m.	..	..
Walker	13 9	13 8	..	..
Garrison .....	..	11 10	..	..
Eastman	14 2	13 7	..	..
Rumford .....	..	..	..	..
Kimball .....	..	..	..	..
Penacook .....	..	..	..	..
Franklin .....	..	..	..	..
Dewey .....	..	..	..	..
Harriet P. Dame .....	..	..	..	..
Cogswell .....	..	..	..	..
Millville	14 4	..	14 2	..
Mountain	12 0	..	..	..
Riverhill .....	..	..	10 8	..
Iron Works	14 0	..	..	..
Average	13 yr. 9 m.	13 yr. 4 m.	13 yr. 0 m.	14 y. 6 m.

ROLL OF HONOR.

HIGH SCHOOL.—Dorothy Brown (3), Nannie Dahlgren (4), George Houston (4), Rebecca Merrill, Amelia Pollard, Marie Roy (4), Helen Bunker (3), Ralph Weldon (2), Myra Woods (3), Elizabeth Chase (2), Irene Lord, Bernice Morrison, Robert McCormick, Wallace Stearns (2), Mildred Byers, Rachel George (2), Ruby Lawrence (2), Altha Walker (8), Elizabeth Benton (3), Pauline Cutter (2), Edgar Hammond (2), William Odey (2), Corrinne Smith, Gordon Bartlett, Irene Clark, George Faucher, Emily Fulford, Ellen Grant, Helen Hadley, Glenda Merrill, Jennie Nute, Ellen Reardon, Milton Shapiro, William Lloyd Straw.

PARKER SCHOOL.—Doris A. Bachelder, John E. Branswell, Ethel M. Cate, Anna Chapman, Elsie Colby, K. Louise Collins, W. Edward Coughlin, Mary E. Crutchfield, Harold W. Cutter (2), Robert Dutton, John Engel, Herbert Follansbee, Eva M. Fortin, Lawrence D. Gordon (2), Frank D. Harris, H. Gwendolyn Jones, Charles Kunberger (4), Wilfred Levesque, Stewart Lyford (2), Rose McCormick, Thomas E. Mulligan, Raymond C. Muttart, Maurice S. Nelson, Harold B. Paige, Martha Persons, E. Lillian Ranquist (4), Frederick Robinson (2), Ruth Saltmarsh, Lottie Sargent, Morrell F. Shepard (2), Gertrude I. Smith, May E. Smith (2), Emma E. Tucker (2), Elizabeth M. Twomey (2).

CHANDLER SCHOOL.—Mortimer Chandler, Emily Chase, Paul Crowell (1), Elinor Diversi (2), Adrien Dussault, Vivien Heath, Arlene Jellison, Lawrence Philbrick (1), Madeline Roy (3), Charles Zambo (2), Esther Armstrong (4), Elizabeth Blake, Leo Boisvert (3), Bertha Carroll (1), Janet Chalmers, Lena Corser, Percival Eveleth, Agnes Fenton (1), Ethel Houston, Sheldon Ordway, Ralph Sargent (1), Russell Sawyer, Emma Trudell, Wilbur Tucker (3), Lillian Unwin.

WALKER SCHOOL.—Edward N. Lamprone, Viola Carlson, Lucy Gavabedian, Dorothy L. Weathers, Charles E. Foster, Georgia Lamprone, Sarah J. Hill, Virginia Otis, Rebecca Chamberlain, Helen G. Davis, Arthur B. Holmgren, Dorothy R. Mannion, Paul S. Otis, Oramel W. Swain, Ada F. Smith, Paul E. Tracy, Beatrice Winch, Ruth E. Ford, Leonard H. Smith, Clifton R. Wilcox.

GARRISON SCHOOL.—Evert Persons, Paul E. Frost, Ida M. Davis, Clara J. Henry, Robert Ecklund, Agnes V. Nelson, Martha Dahlgren, Corin Soderstrom.

EASTMAN SCHOOL.—Sadie E. Brown, Barbara A. Field, Dana S. Morrison, Vesta P. Morrison (3), Frederick W. Page, Luella E. Powell (2), Dorothy E. Staniels (3).

RUMFORD SCHOOL.—Muriel G. Cressy (1), Gladys I. Tucker (1), Eleanor M. Dutton (1), Letitia George (1), William J. Pluff (1), Lillian O. Chandler (1), Alfred C. Kunberger (3), Martin Bengsch (1), Ruth K. Lord (2), Alice M. Shepard (1), Laura Stevenson (1), Clark W. Aldrich (2), Ruel N. Colby (1), Harry F. Frost (1), Charles P. Houston (1), John W. Watts (2), Marie Morgan (1), Clara C. Page (1), Robert G. Crowell (1), Martin H. Gurley (2), Clarence S. Hoagland (1), Roland A. Smith (1), Bernard E. Towle (1), Gardner H. Wales (1), Jessie E. Cruikshank (1), Dorothy E. George (1), Lula E. Gordon (1), Dorothy G. Kiley.

KIMBALL SCHOOL.—Madeline Haggett (2), Everett C. Benton (4), Waldo M. Sanborn (1), Albert W. Barlow (1), Clarence Giguere (1).

PENACOOK SCHOOL.—Laura Tabor, Raymond McCaig, Leo Arell, Freeman Bachelder, Agnes Chalmers, Elinor Hoyt, Keith Oliver, Dorothea Wheeler, Harry Rosendale.

FRANKLIN SCHOOL.—Louise E. Bartlett, Evelyn R. Bacon, Robert J. Prowse (1), Winifred L. Wheeler (1).

DEWEY SCHOOL.—Lawrence F. Clement (1), Gedeon Flamand (1), William Flamand (1), Harry W. Potter (1), Frederick R. Knox (1), Donald J. McFarland (1), M. Helene Wheeler (1), Thelma I. Woodman (1), Harold G. Vitagliano (1).

H. P. DAME SCHOOL.—Robert D. Prescott (1), George Bailey (1), Gerald Drew (1), George Hillsgrove (6), Origen Phillips (1), Eva Haselton (1).

COGSWELL SCHOOL.—None.

MILLVILLE SCHOOL.—Laura Chapman, Hazel Trozier.

MOUNTAIN SCHOOL.—None.

RIVERHILL SCHOOL.—None.

IRON WORKS SCHOOL.—None.

HONOR LIST—HIGH SCHOOL.

PUPILS WHO HAVE ATTAINED AN AVERAGE OF A— IN THEIR STUDIES
FOR THE PAST YEAR.

HIGH SCHOOL.—Miriam Batchelder, Hugh Cruikshank, Madelyn Georgi, Rebecca Merrill, Ruth Peckham, Amelia Pollard, Ruth Sexton, Helen Bunker, Marion Lithgow, Astrid Olson, Nora Reardon, Cornelia Kimball, Robert McCormick, Eva Hadley, Elizabeth Benton, Hazel Clement, Richard Henry, Ruth Lyford, Helen Morgan, John Peckham, Marie Trombly, Louise Timlin, Marie Turgeon, Bessie Waldman, Mary Walker, Sadie Ash, Katherine Crabbe, Helen Hadley, Grace Haskell, Kathleen Heath, Mary Wood, Leota Colpitts.

PARKER SCHOOL.—Elsie Colby, Janice Griffin, Pearl Parker, Ethel Ravitch, Ruth Saltmarsh, Leah Waldman, Ruth Whittier, Ruth Yeadon, John Allquist, Euphemia Bourne, Julia Degnan, Elsie Denis, Leslie Dixon, Linda Farnum, Elizabeth Gannon, George Gordon, Eunice Haven, Mildred Hutchins, Clarence Jesseman, Edmund Laport, Helen Laurie, Wilfred Levesque, Elizabeth Morrill, Lillian Ranquist, Eva Sanborn, Dorothy Scott, Morrill Shepard, May Smith, Marion White, Corinne Wilson.

CHANDLER SCHOOL.—Hilda Buchan, Janet Chalmers, Gertrude Champigny, Percival Eveleth, Leon Goldberg, Hugh Morrison, Agnes Ring, Donald Sampson, Allan Shapiro, Lillian Unwin, Dorothea Brown, Mary Dennett, Ernest Drapeau, Emma Flamand, Alice Haskell, Alene Lowell, Madeline Roy, Edward Sanel.

WALKER SCHOOL.—Douglas Everett, Marjorie Lowe, Paul Otis, Ursula Sanders, Oramel Swain, Beatrice Winch, Beatrice Tremblay, Paul Watson.

GARRISON SCHOOL.—Helen E. Ryan, Mary J. Henry.

EASTMAN SCHOOL.—Earle R. Webber.

ELEMENTARY SCHOOLS.

PUPILS WHO HAVE ATTAINED A MARK OF B— OR BETTER FOR THE YEAR.

WALKER SCHOOL.—Pauline Ballard, Helen Burbank, Bernice Berry, Richard Datson, Philip Guyol, Doris Hayford, Ruth Swain, Signe Johnson, Flora Keniston, Bernice Reid, Edith Walker, Edward Morton, Richard Morton, Dorothy Flanders, Eleanor Smith, Ernest Denis, Madeline Hobson, Frederick Daggett, Dorothy Willard, Mabel Stanley, Dorothy LaFleur, Samuel Powers, Murray Sawyer, Lawrence Ahern, Ada M. Brown, Pauline Dunstane, Gunnar Olson, Raymond Perkins, Margaret Rushlow, William Archambault, E. Sawyer Cummings, Helen A. Colby, Durward Heath, Delma LaFleur, Georgia Lamfrone, Oscar Loven, Ruth Tyler, Sara Tousignant, Gertrude Weathers, Ethel M. Crowley, Alfred J. King, Marie R. LaPlante, Frances E. Morton, Virginia Otis, Avenire Paveglio, Engrid D. Rosendale, Edward D. Amsden, Rachel E. Bartlett, Mildred M. Darrah, Mary I. Fisher, Alexander P. Guyol, W. Bouton Guyol, Agastino Storti, Bertha M. Tousignant, Thomas Adams, Dorothy Angwin, Alice Wilson, Anita Tousignant, Oscar Baker, Harold Bass, Ethelyn Blossom, Florida Belaire, Roland Robinson, Viola Carlson, Edward Lamprone, Robert Walker, Helen Cheney, Sarah J. Hill, Clyde E. Kimball.

GARRISON SCHOOL.—Rita Bryant, Ella V. M. Anderson, Oscar F. Forsberg, John Kupsala, Marjorie Matheson, Fannie Matson, Doris Toone, Helen Rylander, Anna A. Anderson, H. Raymond Danforth, Hildegrade E. Rossell, Ernest E. Vinton, Ethel V. M. Johnson, Agnes V. Nelson, Chester G. Larson, Milo V. Lindgren, M. Esther Cushing, Louise D. Shepard, Pauline Cushnie, Elsa Olson, Anna M. L. Larson, Olga V. Swenson, Ruth I. Swenson, Morrill Dakin, Ida Davis, Henry Ekstrom, Clara J. Henry, Harry Olson, Doris L. Robinson, Paul Frost, Gerda Swanson, Leona Snow, Harry Persons, Carl Anderson, Arno Mauritson, Joy Mae Duncan, Alice Kalberg, Alice Ericson.

EASTMAN SCHOOL.—Mary E. Cate, Ethelyn G. Kelley, Bertha M. Lacroix, Mary E. Marcotte, Vera A. Maxner, Vesta G. Morrison, Elsie M. Shine, Dana S. Morrison, Leon S. Potter, Nellie J. French, Ruth A. Lewis, Doris E. Shine, C. Pauline Tebbetts, Robert Cushing, Chester D. Floyd, Guy W. Mann, Louise Muzzey, Arlene M. Stuart,

Elsie K. Webber, Sadie E. Brown, Mary C. Canney, Ethel G. Denton, Ruth S. Huston, Ruth Muzzey, Stuart G. Potter, Lois B. Smith, Carrie E. Spencer, Sarah E. Tebbetts, M. Isadore Trembley.

RUMFORD SCHOOL.—Estelle F. Avery, Grace E. Bacheller, Abraham V. Baer, Jessie E. Cruikshank, Bruce Duncan, Clyde H. Gray, Alvin V. Hussey, Dorothy G. Kiley, Paul B. Leary, Ruth J. Olson, Harry C. Parker, Richard E. Sampson, Earl W. Sawyer, Frances Smythe, Bernard E. Towle, Gardner H. Wales, Lula E. Gordon, Martin H. Gurley, Helen Hutton, Ruel Colby, Charles Brewster, Ruth Jackman, Myrna Simpson, Stella Young, Ruth Colby, Marjorie Ford, Louise Gifford, Harriet McLeod, Clark Aldrich, Henry Carpenter, Emile Dupuis, Ernest Taylor, Edwin Fortin, Harry Frost, Wallace Hall, Paul Holbrook, Dana Lee, Byrnes McCaffrey, Crosby Lewis, Lawrence Duncan, Martin Bengsch, Alice Levingston, Edith Cruikshank, Alice Shepard, Parker Hall, Herbert Geary, Fanny Sannel, Dorothy Powell, Frederica Brew, Stanley Benson, Anna Clark, Lillian Chandler, Hazel Fifield, Louise Waite, Holten White, Harold Goodwin, Elizabeth A. Palmer, Kenneth Buckminster, Alice M. Powell, Letitia George, Danforth Gurley, Charles Davie, Archie Rabinovitz, Eleanor M. Dutton, Priscilla Proctor, Lottie Baer, Walter Hackshaw, Laura Cate, Charles Dixon, Alfred Hyland, Julia Trudell, Cyrene Lewis, Doris Lefebre, J. Kenneth McLeod, Margaret Abbott, Rose E. Haskell, Alice L. Hoagland, Ellen C. Crockett, Eleanor Duncan, Evelyn R. Pluff, Marjorie P. Rowe, Anna M. Lefebvere, Ida B. Levingston, Louis F. Braley, Paul Davis, Lillian I. Wirrell, Martha Baer.

KIMBALL SCHOOL.—Mildred Dole, Helen Foster, Constance Woodworth, Harry A. Bartlett, Doris E. Brown, Joyce L. Brown, Beatrice M. Fifield, Malcolm L. Flanders, Hazel U. Fuller, Fay R. Harriman, Sara G. Jackman, Olive P. LaHar, Minnie E. Newton, Isabel M. Nichol, Florence E. Philbrick, Reginald H. Rice, Henry Saltmarsh, Constance Stewart, Edwin O. Walker, Esther A. Wohlstrom, Edwin L. Stackhouse, E. Frances Erskine, Marjorie E. Tenney, Elma M. Wallace, Jack D. Mansur, Maurice A. Quinn, Everett C. Benton, Elizabeth Peckham, Hoyt M. Reille, John F. Jones, Clifford H. Woodward, Merton D. Rumrill, Waldo M. Sanborn, Ethalind Cooper, Madeline Hagggett, Moses Silverman, Charlotte Jackman, Svea Wohlstrom, Katherine Graves, Mary Horne, Robert Morrison, Sybil Rawcliffe, Isabel Batchelder, Leon Diversi, Della Virgin, Ralph Carpenter, Elva Knights, Ann Stratton, Albert W. Barlow, Cyril P. Datson, Elizabeth S. Kimball, Theodore R. Smith, Farwell A. Brown, Robert G. Hurd, Catherine A. Moore, Marion M. Brown, Benjamin S. Jewell.

Paul H. Blaisdell, George Dane, Frederick P. Fisher, Sibley S. Morrill, Morris R. Burroughs, Elizabeth L. Dyer, Lydia B. Dyer, Margaret V. McGuire, Ruby Bartlett, Gertrude Lane, Hymie Silverman, Albert Baker, Eleanor Clarke, Helen Camp, Lawrence Leary, Frances Stratton, Helen M. Barlow, Hazel Dymont, Robert Diversi, Jane Graves, Carlos Sanborn, William Quinn, Lois Calkin, Asta Carlen, Osmond Strong, Edna Dunn, Harrison Leary, Miriam Spiller, Dorothy Wilkins, Earle Goodwin, Myle Lockwood, Edith Virgin, Alden Heath, Thelma MacDonald, Virginia Davis.

PENACOOK SCHOOL.—Nelson Rogers, Eugene Olson, Myrtle Moody, Kenneth Heath, Nathalie Hurd, David Ericson, Andrew Lane, Lloyd Simpson, Helen Belrose, Leon Calkins, Agnes Chalmers, Constance Dimick, Forbes Forsyth, Irving Peabody, Pearl Tabor, Rachel Hall, Raymond Roers, Gertrude Roy, Evelyn Johnson, Gladys Smythe, Raymond McCaig, Paul Bergstrom, John Jackman, Dorothy Robinson, Warren Cutting, Cleon Roers, Wilbur Lobdell, George Lougee, Laura Mitchell, Walter Felker, Elmer Bergstrom, Dorothy Stickney, Florence Coleman, Dorothy Dennerly, Chester Hadley, George Magnuson, Harvey Bachelder, Mary Olson, Harold Coleman, Beatrice Virgin, Elmer Bergstrom, Florence Oliver, Helen Rosendale, Arlene Royce, Laura Tabor, Richard Dunlap, William Vaern, John McLaughlin, Olive West, Paul Fortin, Roger Nelson.

FRANKLIN SCHOOL.—Laura K. Moran, Pauline W. Oyston, Laura Plummer, Esther Thompson, Vera Anderson, Germaine K. Shannon, Alice H. Boroian, Maurice H. Conn, Ida Crossland, Lucille C. Hodge, Dorothy E. Plummer, Catherine Beane, Winifred L. Wheeler, Edward F. Ritchie, Robert J. Prowse, Evelyn R. Bacon, Rosina Barasso, Otho C. McLam, Chenard J. Mayo, Francis W. Westcott, Marjorie M. Hayford.

DEWEY SCHOOL.—Kinsley M. Batchelder, Miriam E. Callahan, Edward E. Cheney, Annie B. Evans, Barbara E. Everett, Donald J. McFarland, Thomas F. Mulligan, James H. Niles, Edson E. Phelps, Jacques Vandekieft, Harold G. Vitagliano, Marion E. Burleigh, Dorothy F. Hill, Mary E. Lake, Victor J. Martin, Dudley W. Orr, Winslow Melvin, M. Helene Wheeler, Mary L. Alexander, John G. Augat, John R. Ballard, J. Wilfred Bilodeau, Stephen K. Callahan, Florence M. Conn, Clara Cook, Helen M. George, Harold L. Stackhouse, Elizabeth Woodworth.

H. P. DAME SCHOOL.—Eva Haselton, Origen Phillips, George Thurber, Ola Ashland, Arthur Giddis, Edmund Parenteau, Rose Radicozo,

David Waldman, Gerald Drew, Louise Newton, Rodney Ashland, Ruth Sweet, Clifford Savoy, Cecil Rowland, Leo Mayo, Leon Manchester, Carroll Ashland, Migilier Radirozo, Helen Foote, Mary Thurber.

MILLVILLE SCHOOL.—Bernard Roach, Maurice Currier, David Herter, Ethel Tappan, Mildred Tappan, George White, Elsie Baker, Henry Fournier, Ellen Yeo, Myla Jesseman, Norman Jesseman, Ruth Herter, Ralph Alger, Hazel Trozier, Helen Perry, Marion Tappan, Marie Parker, Hattie Marshey, Inez Moore, Kathryn McAuley, Shirza McAuley, Hilda Gustafson, Gladys Alexander, Eva Burrows, Frances Currier, Bernice Morrill, Eva Tappan.

MOUNTAIN SCHOOL.—Eddella Mayo, Dorothy Haddon, Lena Mayo, Ray I. Turner.

RIVERHILL SCHOOL.—Norma Dunstane, Nettie Brown, Fred Heath, Grace Andrews, Garold Brown, Van Heath.

IRON WORKS SCHOOL.—Marian E. Dow, Lillian L. Dow, Leonard B. Bushey, Kelsey W. Smith.

GRADUATING CLASSES, JUNE 16, 1917.

SENIOR HIGH SCHOOL.

<i>Name.</i>	<i>Course.</i>
Redfield Alfred Anderson,	Mechanic Arts.
Helen Jeannette Barker,	Classical.
Miriam Batchelder,	Classical.
Marion Elizabeth Baxter,	Domestic Arts.
Oscar Arthur Charles Benson,	Mechanic Arts.
Dorothy Florence Booth,	Domestic Arts.
Dorothy Edward Brown,	Academic.
Emily Josephine Brunell,	Commercial.
Aurilla Orissa Brusseau,	Commercial.
Clara Irene Burroughs,	Academic.
Daniel John Byrne,	Academic.
Agnes Wilhelmina Carlson,	Commercial.
Caroline Lucy Cassidy,	Classical.
Hugh Joseph Cassidy,	Commercial.
Raymond Edward Chamberlin,	Mechanic Arts.
Dorothy Pingree Chase,	Classical.
Florence Marion Cheney,	Classical.
Mildred Agnes Chenèy,	Academic.
Almeda Greeley Clough,	Commercial.
Nora Agnes Cotter,	Academic.
Grace Frances Coughlin,	Classical.
Marion Doris Crabbe,	Academic.
Doris Edith Cree,	Academic.
Hugh Gilbert Cruikshank,	Classical.
Russell Emery Cushing,	Academic.
Nannie Marie Dahlgren,	Academic.
John Elro Davis,	Mechanic Arts.
Golden Elizabeth Farmanian,	Commercial.
Howard William Ferrin,	Academic.
Katherine Mary Gannon,	Commercial.
Madeleine Althea Georgi,	Commercial.
William Ezra Gordon,	Commercial.
Eva Mae Haines,	Domestic Arts.
Margaret Theresa Halligan,	Commercial.

<i>Name.</i>	<i>Course.</i>
Evelene Marion Haven,	Commercial.
Ruth Elizabeth Haynes,	Domestic Arts.
Eva Josephine Henneberry,	Academic.
Arthur F. Henry,	Mechanic Arts.
Esther Wilhelmina Elizabeth Holmgren,	Classical.
George Edwin Houston,	Mechanic Arts.
Arthur Alexander Jameson,	Commercial.
Helen Marion Johnston,	Classical.
Mildred Margaret Kelly,	Commercial.
Lawrence Dana Kimball,	Commercial.
Ida Eleanor Larson,	Classical.
E. Parker Little,	Academic.
Ross H. C. Lovejoy,	Commercial.
Helen Margaret Madison,	Commercial.
Ida Marie Marquis,	Commercial.
Elizabeth Severina McBain,	Domestic Arts.
Henry Michael McGoff,	Commercial.
Rebecca Kimball Merrill,	Classical.
Mary Frances Mulligan,	Classical.
Anna Elizabeth Murphy,	Classical.
Pauline Elizabeth Murphy,	Commercial.
Gladys Elizabeth Muzzey,	Commercial.
Harold Holmes Owen,	Classical.
Ruth Peckham,	Classical.
Eleanor May Phelps,	Academic.
Amelia Pollard,	Commercial.
Mary Helen Powers,	Commercial.
Florence Mary Prescott,	Academic.
Marie Lena Roy,	Commercial.
Bella Esther Sanel,	Commercial.
Alfred Henderson Sawyer,	Academic.
Leonise Velma Scott,	Domestic Arts.
Ruth Madaline Sexton,	Commercial.
William Patrick Slattery,	Commercial.
Ruth Marie Ellen Swanson,	Domestic Arts.
John Barry Sullivan,	Academic.
Helen Elisabeth Tebeau,	Commercial.
Jane Tonkin,	Domestic Arts.
Rose Marie Valliere,	Commercial.
Marion Vose,	Academic.
Ralph Sharples Weldon,	Mechanic Arts.
Lena May Winslow,	Academic.
George Edward Wooster,	Mechanic Arts.

JUNIOR HIGH SCHOOLS.

CHANDLER SCHOOL.

Delmas Robert Arell,	Ruth Eleanor Johnson,
Dorothy Batchelder,	Kenneth Robie Kimball,
Lillie Rose Braley,	Laura Marion Lacaille,
Dorothea Eleanor Brown,	Marion Agnes Langley,
Mortimer Ashton Chandler,	Jerome Rollins Leavitt,
Paul Gilman Crowell,	Alene Muriel Lowell,
Elizabeth Jeanette Dane,	Margaret Kent Lowell,
Percy Davis,	Paul Benjamin Maxham,
Joseph William Demers,	Eleanor Beatrice McLaren,
Mary Elizabeth Dennett,	Grace Elizabeth Melvin,
Elinor Mary Diversi,	Florence Gertrude Newton,
Ernest Edgar Drapeau,	Evelyn Mary Parenteau,
Eugene Adrien Dussault,	Oscar William Parenteau,
Emma Mary Flamand,	Grace Myrtle Rice,
Robert Ellery Fogg,	Lena Belle Robinson,
Catherine Ellen Giles,	Madeline Emma Roy,
Isadore Goldman,	Edward Isadore Sanel,
Alice Frances Haskell,	Frances Mary Togus,
Vivien Louisa Heath,	Edmund Albert Trudell,
Elizabeth Maud Higgins,	Hazel Lord Tuttle,
Arlene Cruse Jellison,	Dorothy Winnifred Twomey,
Elmer Edward Johnson,	Wilhelmena Zetta Wheeler,
Harold Corliss Johnson,	Charles Robert Zamb.

WALKER SCHOOL.

Grover C. Beane,	Henry B. Koopman,
Dominie Bianco,	Elizabeth Partridge,
Marguerite E. Fernald,	Leonard H. Smith, Jr.,
Ruth E. Ford,	Ralph W. Walters,
Frank E. George,	Clifton R. Wilcox,
Howard G. Hammar,	Paul E. Watson,
Henry R. Kimball,	Beatrice I. Tremblay.

EASTMAN SCHOOL.

Philander L. Mann.

GRADUATING CLASSES, JANUARY 25, 1918.

SENIOR HIGH SCHOOL.

<i>Name.</i>	<i>Course.</i>
Marion Olive Abbott,	Academic.
Constance Kathleen Bateman,	Commercial.
Josephine Ellen Belisle,	Academic.
Real N. Bourke,	Commercial.
Helen Louise Bunker,	Domestic Arts.
Gladys Vivian Carroll,	Academic.
Marion Aristene Carroll,	Academic.
Ruth Ellen Chase,	Commercial.
Fletcher Harvey Clough,	Mechanic Arts.
Arthur Richmond Cole,	Academic.
Sydney Alfred Cullum,	Academic.
Dorothy Wing Daggett,	Classical.
James Joseph Ducey,	Commercial.
Chandler Eastman,	Academic.
Carl Herbert Ekstrom,	Mechanic Arts.
Gladys Susan Evans,	Commercial.
Almeda Annie Fifield,	Classical.
Dean Kitteridge Foster,	Mechanic Arts.
Evelyn Sara Fowler,	Classical.
Harold Emerson Fraser,	Academic.
Oscar Valdemar Hanson,	Mechanic Arts.
Margaret Johnson,	Commercial.
George Wesley Jones,	Mechanic Arts.
Maurice Avery Jones,	Mechanic Arts.
Agnes Amelia Levin,	Commercial.
Marion Irene Lithgow,	Classical.
Beulah Rebecca Nash,	Commercial.
Willard Harold Nute,	Mechanic Arts.
Astrid Linnea Olson,	Classical.
Nora Agnes Reardon,	Classical.
Joseph Frederick Rossell,	Mechanic Arts.
Dorothy Durgin Silver,	Commercial.
Lora Ella Sleeper,	Domestic Arts.
Clara Elsie Smith,	Academic.
Carlton Mathew Strong,	Mechanic Arts.

<i>Name.</i>	<i>Course.</i>
Ethel Catherine Sullivan,	Classical.
Ruth Martha Tenney,	Commercial.
Eleanor Winthrop Vinton,	Academic.
Myra Welton Woods,	Commercial.

 JUNIOR HIGH SCHOOLS.

CHANDLER SCHOOL.

Gladys Ellen Alexander,	Eleanor Blanche Harris,
Estelle Frances Avery,	Eva Mae Haselton,
Grace Edna Bacheller,	Charley Clarence Hoagland,
Abraham Victor Baer,	Frank Wallace Hodgman,
Robert Dudley Bailey,	Alvin Reed Hussey,
Harry Archer Bartlett,	Helen Hutton,
Weltha Louise Belrose,	Sara Gwendolyn Jackman,
Charles Bernhardt Benson, Jr.,	Ethelyn Grace Kelley,
Doris Elizabeth Brown,	Grace Louraine Kelly,
Margaret Mary Campbell,	Beatrice May Kendall,
Marie Catellier,	Olive Pauline LaHar,
Laura Sanborn Chapman,	Paul Broderick Leary,
Emily Chase,	Lottie Katie Levingston,
Frank Hadley Clark,	Kathryn Josephine McAuley,
Alice Marie Corriveau,	Thirza Ellen McAuley,
Robert Granger Crowell,	Marguerite Anna McDonnell,
Jessie Ellen Cruikshank,	Inez Aurilla Moore,
Marian Davis,	Isabel Mungall Nicoll,
George John Dennerly,	Harry Clinton Parker,
Mildred Dole,	Florence Edith Philbrick,
Beatrice Madeline Fifield,	Origen Robert Phillips,
Malcolm Lawton Flanders,	Edward Vaughan Putnam,
Lillian Grace Ford,	Jacob Rabinowitz,
Helen Foster,	Reginald Hill Rice,
Marshall Delmont French,	Henry Saltmarsh,
Mildred Ida French,	Earl Woodbury Sawyer,
Hazel Udora Fuller,	Roland Albert Smith,
Dorothy Ellen George,	Frances Dean Smythe,
Lula Emma Gordon,	Constance Dorothy Stewart,
Clyde Hudson Gray,	George Wallace Thurber, Jr.,
Martin Henry Francis Gurley,	Bernard Towle,
Fay Richard Harriman,	Gladys Collins Towle,

Napoleon Arthur Tremblay,	Edwin Oliver Walker,
Beatrice Trudell,	Margaret Mill Watson,
Richard Dickerson VanDemark,	Esther Alice Wohlstrom.
Gardner Howard Wales,	

WALKER SCHOOL.

Arthur James Adams,	Philip Nelson Guyol,
Beatrice Laura Arlin,	Doris Whitcomb Hayford,
Pauline Ruth Ballard,	Reginald Dickerman Livingston,
Douglas Beane,	Minnie Edith Newton,
Bernice Berry,	Charles Laurence Paclat,
Mae Cochran,	Grover Harold Paclat,
Clotilda Theresa Comi,	Hazel Erma Purrington,
Richard Datson,	Ruth Swain,
Ruth Elizabeth Ford,	Evelyn Watkins.

GARRISON SCHOOL.

Carl A. Anderson,	Fannie M. Matson,
Rita Bryant,	Helen T. Rylander,
Oscar F. Forsberg,	Doris E. Toone,
John F. Kupsals,	S. Marjorie Matheson,
Robert O. Lindstrom,	Russell O. Shepard.
Omer T. Lassonde,	

EASTMAN SCHOOL.

Mary E. B. Cate,	Dana S. Morrison,
Bertha M. Lacroix,	Leon S. Potter,
Vera A. Maxner,	Elsie M. Shine.

WATER DEPARTMENT.

1917.

BOARD OF WATER COMMISSIONERS.

NATHANIEL W. HOBBS, Mayor, *ex-officio*.

BURNS P. HODGMAN,	to March 31, 1921.
JOHN B. ABBOTT,	to March 31, 1921.
FRANK P. QUIMBY,	to March 31, 1920.
GEORGE T. KENNEY,	to March 31, 1920.
EDSON J. HILL,	to March 31, 1919.
CHARLES R. WALKER,	to March 31, 1919.
HARRY H. DUDLEY,	to March 31, 1918.
NATHANIEL E. MARTIN,	to March 31, 1918.

EDSON J. HILL, *President*.

BURNS P. HODGMAN, *Clerk*.

SUPERINTENDENT.

P. R. SANDERS.

CLERK.

ALICE G. COCHRAN.

FOREMAN.

JAMES T. DAVIS.

INSPECTOR.

HARRY E. STEVENS.

ENGINEER.

HENRY A. ROWELL.

CITY WATER BOARD.

Date of election and length of service of members.

Abraham G. Jones,*	<i>ex officio</i> , 1872—three months.
John M. Hill,*	1872-1878.
Benjamin A. Kimball,	1872-1878.
Josiah Minot,*	1872. Resigned Jan. 10, 1874.
David A. Ward,*	1872-1874.
Edward L. Knowlton,*	1872. Resigned Sept. 25, 1875.
Benjamin S. Warren,*	1872-1873.
John Kimball,*	<i>ex officio</i> , 1872-1876.
John Abbott,*	1873-1876.
John S. Russ,*	1874-1877.
Abel B. Holt,*	1874-1877.
Samuel S. Kimball,*	1875. Resigned July 1, 1891.
Geo. A. Pillsbury,*	<i>ex officio</i> , 1876-1878.
Luther P. Durgin,*	1876-1885.
John Kimball,*	1877. Resigned July 1, 1891.
William M. Chase,	1877. Resigned July 1, 1891.
Horace A. Brown,*	<i>ex officio</i> , 1878-1880.
James L. Mason,*	1878-1893.
James R. Hill,*	1878. Died in 1884.
Geo. A. Cummings,*	<i>ex officio</i> , 1880-1883.
Edgar H. Woodman,*	<i>ex officio</i> , 1883-1887.
Joseph H. Abbot,*	1884-1893.
George A. Young,*	1885-1894.
John E. Robertson,	<i>ex officio</i> , 1887-1889.
Stillman Humphrey,*	<i>ex officio</i> , 1889-1891.
Henry W. Clapp,*	<i>ex officio</i> , 1891-1893.
Willis D. Thompson,	1891-1895.

* Deceased.

William P. Fiske,*	1891-1902.
James H. Chase,*	1891. Died in 1893.
John Whitaker,*	1892. Died in 1903.
Henry E. Conant,*	1892. Resigned Jan. 8, 1895.
Parsons B. Cogswell,* <i>ex officio</i> ,	1893-1895.
Solon A. Carter,	1893. Resigned April 9, 1917.
Frank D. Abbot,	1893-1901.
William M. Mason.*	1893-1899.
William E. Hood,	1894-1902.
Henry Robinson, <i>ex officio</i> ,	1895-1897.
Ebenezer B. Hutchinson,*	1895. Resigned Jan. 10, 1899.
Edson J. Hill,	1895. Now in office.
Albert B. Woodworth,* <i>ex officio</i> ,	1897-1899.
Nathaniel E. Martin, <i>ex officio</i> ,	1899-1901.
Henry E. Conant,*	1899. Died in 1911.
Timothy P. Sullivan,	1899. Resigned May 14, 1901.
Harry G. Sargent,* <i>ex officio</i> ,	1901-1903.
Obadiah Morrill,	1901-1905.
George D. B. Prescott,*	1901-1915.
Harry H. Dudley,	1902. Now in office.
Nathaniel E. Martin,	1902. Now in office.
Charles R. Corning, <i>ex officio</i> ,	1903-1909.
Henry C. Holbrook,	1903-1916.
Harley B. Roby,*	1905. Resigned Jan. 24, 1911.
Charles J. French, <i>ex officio</i> ,	1909-1916.
Nathan'1 W. Hobbs, <i>ex officio</i> ,	1916. Now in office.
Burns P. Hodgman,	1911. Now in office.
Frank P. Quimby,	1911. Now in office.
Charles R. Walker,	1915. Now in office.
George T. Kenney,	1916. Now in office.
John B. Abbott,	1917. Now in office.

* Deceased.

PRESIDENTS OF THE BOARD.

Josiah Minot,*	1872. Resigned Jan. 10, 1874.
Benjamin A. Kimball,	1874-1875.
Edward L. Knowlton,*	1875. Resigned Sept. 25, 1875.
John Kimball,*	1875-1876.
Benjamin A. Kimball,	1876-1878.
John Kimball,*	1878. Resigned July 1, 1891.
William P. Fiske,*	1891-1902.
Solon A. Carter,	1902. Resigned April 7, 1917.
Edson J. Hill,	1917. Now in office.

SUPERINTENDENTS.

V. C. Hastings,*	1873. Died March 14, 1907.
P. R. Sanders,	1907. Now in office.

* Deceased.

CONSTRUCTION.

Cost of land damages, flowage and water rights:

Paid B. F. & D. Holden, for water rights,	\$60,000.00
Concord Manufacturing Co., for water rights,	83,000.00
W. P. Cooledge, for mill privilege and land,	5,500.00
Humphrey & Farnum, for kit-shop privilege,	5,000.00
flowage rights around Penacook Lake,	4,375.61
for land at Penacook Lake,	78,182.41
C. H. Amsden, water and flowage rights,	5,000.00
Cost of property and rights of Torrent Aqueduct Association, dam, gate-house and appurtenances,	20,000.00
conduit and gate-houses,	35,546.05
mains (low service main and pump main from the dam to Penacook Street, force main from the pump to the reservoir, fire main through North and South Main Streets, and high service main from Penacook Street to Stark Street, Penacook),	29,818.94
distribution pipe,	182,241.70
service pipe,	400,161.56
reservoir, including land,	67,000.00
	45,044.09

Cost of pumping station, shop, stable and storehouse, including land,	\$29,265.35	
pumping machinery,	17,000.42	
engineering and superintendence,	14,913.12	
incidentals,	6,531.19	
		<hr/>
Cost of works, January 1, 1918,	\$1,088,580.44	
Less amount received for lumber, land and buildings sold,		7,736.61
		<hr/>
		\$1,080,843.83

Bonds of the city have been issued to pay a part of said cost, of which the following are still outstanding:

When due.	Rate.	Amount.
Jan. 1, 1918,	4,	\$10,000.00
Jan. 1, 1919,	4,	10,000.00
Nov. 1, 1920,	3,	4,000.00
Nov. 1, 1921,	3,	3,000.00
April 1, 1921,	3½,	5,000.00
Jan. 1, 1922,	4,	333,000.00
Jan. 1, 1922,	3½,	8,000.00
April 1, 1922,	3½,	26,000.00
Jan. 1, 1923,	3½,	3,000.00
Jan. 1, 1924,	3½,	15,000.00
		<hr/>
		\$417,000.00

REPORT OF BOARD OF WATER COMMISSIONERS.

OFFICE OF THE BOARD OF WATER COMMISSIONERS,

CONCORD, N. H., February 2, 1918.

To His Honor the Mayor and the Board of Aldermen:

The Board of Water Commissioners herewith transmits the report of Superintendent Percy R. Sanders, showing the operations of the department for the year 1917, and which report from its completeness seems to require no further comment.

The board desires to express its appreciation of the services of its employees during the more than ordinary stress of the year, and especially the early months when trouble occasioned by the outbreak of the war was looked for, and at which time it was thought best to place guards about the dam at West Concord, at the pumping station and about the reservoir. The city was fortunate in having nothing develop to make it seem necessary to continue the guarding of the property, and in the latter part of May the guards were dispensed with.

The board desires to return thanks to the Concord Electric Company for its prompt co-operation in lighting the property during this period, immediate attention being given to the request for lights and the service being continued as long as necessary.

The last report called attention to the questions that had arisen in regard to the rights of the public to the use of the waters of Penacook Lake and the land about the same, the court having given its decree upholding in all respects the claims of the city; the public is to be congratulated that its drinking water is now secure from private contamination and the use of the shores of the lake from unauthorized occupation.

The board has during the year acquired the property of Robert Crowley at the head of the lake for \$9,000, thus doing away with the stable, dwelling house and ice houses which might easily become a menace to the public health as well as being unsightly so near the water supply.

What may be considered the most important purchase of the shores of the lake is that of the land of the State Hospital, comprising a frontage of upwards of 3,000 feet, and for which the sum of \$15,000 was paid, only \$5,000 of which appears in this year's accounts, the balance to be paid by March 1, 1918. The completion of this purchase gives the board control of 92% of the shore of the lake, and we desire to thank the Trustees of State Institutions for the fair offer made the board for the sale of the property.

In June of this year the city council gave the board authority to establish a sinking fund for payment of bonds coming due in 1922, and it is proposed to devote any surplus earnings to such fund. The sum of \$15,000 has been devoted to that purpose during the past year, as the report will show.

It was with regret that the board accepted the resignation of Col. Solon A. Carter as president, which his failing health made necessary in the spring of the past year. Colonel Carter had been a member of the board for twenty-five years and its president for fifteen years. The remaining members will miss his wise counsel.

In June, the state troops having been brought here and the supply of water at the camp grounds being found insufficient, our superintendent was called upon to assist the state officials in procuring an adequate water supply, which he did, rendering a large amount of service without compensation. The board was glad to have him give all assistance possible.

A new and modern spillway at the outlet of the lake has

been built and the improvements in the appearance of the land about Forge Pond continued.

Respectfully submitted,

EDSON J. HILL,
HARRY H. DUDLEY,
NATHANIEL E. MARTIN,
BURNS P. HODGMAN,
FRANK P. QUIMBY,
CHARLES R. WALKER,
GEORGE T. KENNEY,
JOHN B. ABBOTT,
NATHANIEL W. HOBBS, *ex-officio*,
Board of Water Commissioners.

The following resolution was unanimously adopted by the Board of Water Commissioners, January 31, 1918:

Resolved, That there be spread upon the records of the board, an expression of the appreciation of the faithful, efficient and devoted service of

COLONEL SOLON A. CARTER.

Elected member 1893—Resigned 1917.

President of the Board 1902–1917.

Died January 30, 1918.

REPORT OF THE SUPERINTENDENT.

To the Board of Water Commissioners:

I herewith present to you the forty-sixth annual report of the operations of this department, showing the receipts, expenditures and abatements, together with a statement of the extensions and improvements made during the year ending December 31, 1917.

RECEIPTS.

For water, from consumers by fixed rates,	\$11,160.66	
For water, from consumers by meter rates,	64,001.59	
From delinquents,	85.75	
For water for building purposes,	19.00	
pipe and stock sold and labor,	717.46	
old brass and iron sold,	60.00	
auto truck sold,	55.00	
From wood and farm lands,	991.32	
insurance refunded,	44.99	
	\$77,135.77	
Deduct abatements,		43.67
		\$77,092.10

There has also been furnished the city free of charge the following use of water :

Public buildings,	\$179.50	
Parks and playgrounds,	60.00	
Cemeteries,	108.00	
Street department,	774.00	
Drinking fountains and water-		
ing troughs,	280.00	
Sewer flush tanks,	45.00	
457 fire hydrants at \$25,	11,425.00	
	\$12,871.50	

WATER DEPARTMENT.

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EXPENDITURES.

MAINTENANCE ACCOUNT.

General care and maintenance:

Salaries and labor,	\$6,706.97	
Maintenance of team,	160.71	
Maintenance of autos,	919.65	
Teaming and livery,	58.88	
Miscellaneous supplies and repairs,	421.07	
Repairs of buildings,	15.18	
Telephones and lighting,	87.19	
Insurance,	398.50	
Incidentals,	93.88	
	<hr/>	\$8,862.03

Office expenses:

Salaries,	\$1,018.68	
Postage and printing,	277.86	
Miscellaneous supplies,	134.52	
Telephone,	35.44	
	<hr/>	1,466.50

Care and repair of hydrants:

Stock,	\$106.56	
Labor,	272.02	
	<hr/>	378.58

Care and repair of meters:

Stock,	\$284.29	
Labor,	525.25	
	<hr/>	809.54

Relaying service pipes:

Stock,	\$85.72	
Labor,	202.16	
	<hr/>	287.88

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CITY OF CONCORD.

Repairing leaks:

Stock,	\$6.96	
Labor,	180.87	
	<hr/>	\$187.83
Work at lake,		339.39
Care of wood-lots,		439.61
Farm account,		811.30
Protection of water supply,		2,207.76
Penacook Park,		27.17
Taxes, town of Webster,		52.00
Incidentals,		1,028.74

Pumping station:

Salaries and labor,	\$2,084.38	
Fuel,	2,096.20	
Supplies and repairs,	321.04	
Telephone and lighting,	53.59	
Insurance,	7.00	
	<hr/>	4,562.21

Total maintenance account, \$21,460.54

CONSTRUCTION ACCOUNT.

Distribution pipes:

Stock,	\$270.70	
Labor,	24.99	
	<hr/>	\$295.69

Service pipes:

Stock,	\$555.11	
Labor,	50.16	
	<hr/>	605.27

Hydrants:

Labor,		40.11
--------	--	-------

Meters:

Stock,	\$1,031.21	
Labor,	51.65	
	<hr/>	\$1,082.86
Cement overflow,		2,402.27
		<hr/>
Total construction account,		\$4,426.20

LAND AT PENACOOK LAKE.

Robert Crowley,	\$9,000.00	
State of New Hampshire, on account,	5,000.00	
Recording deed,	.92	
	<hr/>	14,000.92
		<hr/>
Total expenditures for 1917,		\$39,887.66

EXTENSIONS AND IMPROVEMENTS.

Cast-iron distribution pipes have been laid and gates and hydrants set during the year as follows:

In Dartmouth Street,

extended south, 150 feet 6-inch pipe.

On hydrant branches,

29 feet 6-inch pipe.

There has also been laid 14 feet of 1¼-inch pipe.

Total amount laid during the year, 193 feet.

Total length of main and distribution pipes now in use, 374,550 feet, equal to 70.94 miles.

There have been set during the year two gates.

Total number of gates now in use, 1,049.

Two new hydrants have been set as follows :

On Dartmouth Street, at Noyes Street.

On South Main Street, between McKinley and Rockingham Streets.

Total number of hydrants now in use, 457.

There have been laid during the year and connected with the main pipes, 13 service pipes consisting of 331 feet of $\frac{3}{4}$ -inch pipe. There have been discontinued, 7 ; total number of service pipes at the present time, 3,879 ; total length of service pipes, 91,690 feet or 17.36 miles.

There have been relaid 23 services and 16 curbs have been placed on old services.

We have set 35 meters during the year ; removed, 5 ; total number now in use, 2,558.

The following table shows the height of water in Penacook Lake on the first day of each month :

January,	184.90	July,	184.30
February,	184.80	August,	183.25
March,	184.70	September,	183.20
April,	185.60	October,	182.95
May,	185.10	November,	182.50
June,	184.80	December,	182.05

The lowest point reached during the year was on December 31, being 181.60 ; the highest was on April 4 and was 185.75 ; mean height for the year was 183.81, which was .34 foot lower than the mean height for 1916. Water was running over the overflow 50 days during the year.

Total amount of water used by the city for the year as shown by the Venturi meter was 902,600,000 gallons ; average per day, 2,445,400 ; percentage pumped, 31.1%.

There has been but a very small amount of new construction in the distribution system, there having been but eight services laid to new houses and these were on streets having pipe lines of ample size to meet any requirements that might be made upon them.

We have rebuilt the overflow at Penacook Lake with cement concrete, replacing the one laid with tar concrete in 1898 which had become badly in need of repairs. It is hoped that this one will prove durable and last indefinitely.

In the latter part of July when the National Guard was called into service, this department was requested by Governor Keyes and Adjutant-General Howard to assist in securing a supply of water for the camp. As the 2-inch pipe at present supplying the old grounds was not large enough and the expense of laying a larger main from the city to the new camp was greater than would be warranted, the state developed a new supply and was very fortunate in securing one from a spring near the Soucook River, flowing 50 gallons per minute, which proved ample for all needs.

A well was built at the spring, 12 feet square and 6 feet deep; sides and bottom planked and braced; a pump house was constructed and an electrically-driven horizontal duplex pump installed. From this pump, the water was forced into two 12,000-gallon tanks and then piped around the grounds.

The work was done under the supervision of this department and we loaned the state 2,145 feet of 6-inch pipe which will be replaced this April.

On account of the scarcity of labor and high prices of all materials, I would recommend that no new construction work on our distribution system be undertaken in 1918 unless absolutely necessary.

Respectfully submitted,

PERCY R. SANDERS,
Superintendent.

**REPORT OF THE ENGINEER AT PUMPING
STATION.**

PUMPING STATION, CONCORD WATER-WORKS.

P. R. Sanders, Superintendent:

SIR: I would report that the pumping machinery at the pumping station is in fair working condition.

The boilers are in good condition, the fire boxes still need re-lining, and few other repairs.

Following is a statement of coal and other supplies used at the pumping station during the year, with a table showing the work for each month:

STATEMENT.

211.98 tons of Beacon Smithing coal.
20 tons of Broad Top coal.
101 gallons valve oil.
10 gallons engine oil.
13 pounds of waste.
12 pounds of grease.
14 cords of wood.
22 gallons of perolin boiler compound.

ENGINE RECORDS.

MONTHS.	No. days' pumping engine No. 1.			No. days' pumping engine No. 2.			Total hours pumping.	Average time pumping.	Total gallons of water pumped.	Daily average pumped.	Total coal consumed.	Daily average coal consumed.	Total pounds of wood consumed.	Gallons pumped per pound of coal.
	No. days	No. days	Total days	H. M.	H. M.	Total gallons									Daily average	Total coal	Daily average	Total pounds	Gallons
January.....	14	17	31	279:	9:	24,416,113	787,616	44,717	1,442	.....	546	.....	546
February....	7	21	28	262:30	9:22	23,589,785	842,492	43,202	1,542	.....	546	.....	546
March.....	17	14	31	295:	9:30	24,884,166	802,715	45,210	1,458	.....	550	.....	550
April.....	18	14	30	263:30	8:46	22,420,825	747,360	39,801	1,326	.....	563	.....	563
May.....	17	14	31	252:	8:7	22,594,060	728,841	39,409	1,271	21,471	573	.....	573
June.....	17	13	30	244:30	8:9	21,338,313	711,277	39,314	1,310	.....	542	.....	542
July.....	15	18	27	257:	8:17	22,700,657	732,279	42,385	1,367	.....	535	.....	535
August.....	20	17	29	294:30	9:30	25,673,058	828,163	46,379	1,496	.....	720	.....	553
September... 14	16	28	252:	8:24	22,188,765	739,625	40,245	1,341	.....	455	551	.....	551
October..... 18	16	28	277:	8:56	24,482,881	789,770	43,044	1,388	.....	597	567	.....	567
November.... 17	15	27	247:	8:14	21,369,649	712,321	39,914	1,330	.....	875	535	.....	535
December.... 17	21	29	303:	9:46	25,447,208	820,877	47,552	1,533	.....	298	535	.....	535
Total.....	191	196	249	3,227:		281,105,480		511,172		25,429	549		549	
Daily average					8:50	770,152		1,400						

Coal consumed for the year, 228.20 tons.

Pounds of wood consumed ÷ 3 = equivalent amount of coal pounds, 8,476.

Total equivalent coal consumed for the year includes that used for pumping, starting fires, banking fires and heating buildings, 239.98 tons.

Amount of equivalent coal consumed per thousand gallons pumped, 1.84.

**CITY TREASURER'S CONDENSED STATEMENT OF
WATER-WORKS ACCOUNT.**

Isaac Hill, Treasurer, in account with Concord Water-Works.

RECEIPTS.

Balance on hand January 1, 1917,	\$19,096.37	
P. R. Sanders, superintendent,	77,092.10	
	<hr/>	\$96,188.47

EXPENDITURES.

Interest on bonds,	\$16,377.50	
Bonds paid,	2,000.00	
Sinking fund,	15,000.00	
Orders paid,	39,902.66	
Cash on hand,	22,908.31	
	<hr/>	\$96,188.47

APPENDIX.

A.

RECEIPTS FOR EACH YEAR SINCE THE CONSTRUCTION OF THE
WORKS.

For the year ending January 31, 1874,	\$4,431.10
For fifteen months ending April 1, 1875,	17,535.00
For the year ending April 1, 1876,	16,921.24
“ “ “ 1877,	19,001.07
“ “ “ 1878,	20,763.03
“ “ “ 1879,	21,869.86
“ “ “ 1880,	22,451.53
“ “ “ 1881,	26,744.58
For nine months ending December 31, 1881,	25,534.01
For the year ending December 31, 1882,	27,243.06
“ “ “ 1883,	28,255.48
“ “ “ 1884,	28,915.65
“ “ “ 1885,	30,222.54
“ “ “ 1886,	30,862.64
“ “ “ 1887,	34,047.52
“ “ “ 1888,	38,441.32
“ “ “ 1889,	40,237.53
“ “ “ 1890,	42,133.41
“ “ “ 1891,	46,075.16
“ “ “ 1892,	48,351.52
“ “ “ 1893,	52,299.66
“ “ “ 1894,	53,230.10
“ “ “ 1895,	55,343.19
“ “ “ 1896,	56,557.81
“ “ “ 1897,	55,156.42
“ “ “ 1898,	59,147.54
“ “ “ 1899,	*53,953.13
“ “ “ 1900,	*57,003.71
“ “ “ 1901,	62,253.61
“ “ “ 1902,	63,430.85

* No hydrant rental this year.

WATER DEPARTMENT.

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For the year ending December 31, 1903,		\$65,088.45
“ “ “ 1904,		68,570.48
“ “ “ 1905,		71,076.44
“ “ “ 1906,		73,063.45
“ “ “ 1907,		73,782.64
“ “ “ 1908,		71,362.67
“ “ “ 1909,		*67,307.84
“ “ “ 1910,		68,673.71
“ “ “ 1911,		71,881.34
“ “ “ 1912,		76,145.13
“ “ “ 1913,		76,154.45
“ “ “ 1914,		74,422.15
“ “ “ 1915,		78,940.06
“ “ “ 1916,		75,052.72
“ “ “ 1917,		77,092.10
		<hr/>
Total receipts for 45 years,		\$2,227,026.90

B.

MEAN HEIGHT OF WATER EACH YEAR.

1873,	175.86	1885,	176.80
1874,	179.50	1886,	178.10
1875,	180.00	1887,	179.04
1876,	180.28	1888,	181.96
1877,	176.46	1889,	180.91
1878,	179.50	1890,	181.90
1879,	179.74	1891,	180.00
1880,	175.30	1892,	174.32
1881,	174.70	1893,	173.38
1882,	179.15	1894,	172.81
1883,	176.40	1895,	171.15
1884,	178.18	1896,	178.96

* No hydrant rental after 1908.

1897,	183.33	1908,	183.41
1898,	184.31	1909,	181.40
1899,	183.49	1910,	180.22
1900,	183.09	1911,	177.60
1901,	183.86	1912,	178.86
1902,	184.98	1913,	179.20
1903,	184.75	1914,	179.55
1904,	184.40	1915,	180.00
1905,	183.37	1916,	184.15
1906,	183.94	1917,	183.81
1907,	183.59		

C.

SCHEDULE OF IRON AND CEMENT-LINED PIPES AND GATES.

STREETS.	BRICK CON-DUIT.	LENGTH AND SIZE OF IRON PIPE IN FEET.											Number of gates.			
		30-in.	24-in.	20-in.	18-in.	16-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.				
Conduit	2220															
Reserve main		282														
Low service main			331	1905		75										7
Pump main			13598	58		75	147									6
Gate-houses and layout																29
Force main		240	2962			42	20									5
Pumping station and layout																8
Abbott											23	349				2
Academy											458					1
Albin									785							1
Alleyways											450	505				1
Allison											2492					4
Auburn							2182									1
Avon											724					2
Badger											5	689				1
Beacon											2145					3
Blake											265	250				2
Blanchard											475					1
Blossom Hill											1781					1
Bow											590					1
Bowery Avenue												245				1
Bradley									1577							3
Bridge									327			1123				1
Broadway								2278	2052							3
Cambridge											6	154				1
Capitol									508			763				5
Carter											1077					2
Centre									3529	2690						14
Chandler											306					1
Chapel											585	56				2
Charles												516				1
Chestnut											265					1
Church											21	1600	547			7
Clarke											100					1
Clinton									1942	180		1663				3
Columbus Avenue							2100									1
Concord											1593	286				5
Court											670					2
Curtice Avenue											422					2
Dakin											19	836				2
Dartmouth											414					1
Depot											387	242				2
Donovan											456					1
Downing											1977	92				4
Dunklee											1195					3
Durgin											265					1
Eastman											400	400				1
Electric											550					1
Elm											270	607				4
Engel											388					1
Essex											587					2

SCHEDULE OF IRON AND CEMENT-LINED PIPES AND GATES.—Continued.

STREETS.	BRICK CON- DUIT.	LENGTH AND SIZE OF IRON PIPE IN FEET.											Number of gates.	
		30-in.	24- in.	20- in.	18- in.	16- in.	14- in.	12- in.	10- in.	8- in.	6- in.	4- in.		
Essex, North.....												262		1
Fairbanks.....												74		3
Fayette.....												1187		4
Ferry.....									1000				1066	1
Fisher.....												343		1
Fiske.....			1045											1
Fiske Road.....												750		1
Ford Place.....													225	1
Forest.....												628		2
Foster.....												180		1
Franklin.....							2166	1546				1317		12
Freight.....								438				285		3
Fremont.....													590	2
Fruit, North.....												1078		1
Fruit, South.....												2874		3
Fuller.....													88	1
Garden.....												194		1
Gas.....								550						1
Giles.....									300			88		3
Glen.....												840		2
Granite Avenue.....													210	7
Green.....								431				1755		4
Grove.....												1093		2
Hall.....								1621	1068			875		1
Hall's Court.....								905						1
Hammond.....													748	2
Hanover.....												600		1
Harrison.....												240		1
Harrod.....												4		1
Harvard.....													760	1
High.....								27				982		7
Highland.....												99		2
Hill's Avenue.....										69		312		2
Holly.....												710		1
Holt.....												646		1
Home Avenue.....												362		1
Hopkinton Road.....												615		1
Humphrey.....												498		2
Huntington.....												213		1
Hutchins, W. Concord.....			381					120				589		1
Iron Works Road.....												1332		1
Jackson.....												1576		3
Jefferson.....													311	1
Kensington Road.....											207			1
Kimball.....												400		334
Knight, W. Concord.....												350		1
Lake, W. Concord.....										1216		465		1
Langdon.....									360			358		357
Laurel.....												1550		2
Liberty.....							380	1311						2
Lincoln.....													367	2
Lyndon.....										508		726		5
Main, North.....			4209						5125			38		11
Main, South.....			300		2596	1026	1373	5179				1260	3650	15
Main, W. Concord.....														1
Maitland.....												482		1
Maple.....												430	382	2

SCHEDULE OF IRON AND CEMENT-LINED PIPES AND GATES.—Continued.

STREETS.	BRICK CON- DUIT.	LENGTH AND SIZE OF IRON PIPE IN FEET.											Number of gates.
		30-in.	24- in.	20- in.	18- in.	16- in.	14- in.	12- in.	10- in.	8- in.	6- in.	4- in.	
Marshall												330	1
McKinley												738	2
Merrinack												1729	6
Mill Road, S. P. School									750			2604	3
Mills											124	1294	4
Minot											26		2
Monroe											860		2
Montgomery											1289		2
Morton											700		1
Myrtle											616		1
Oak												324	1
Odd Fellows Avenue									19			305	1
Old Hopkinton Road												229	1
Old S. Mill R'd, S. P. S.												814	1
Orchard												3446	2
Palm											620		1
Park											596		1
Peabody											601		2
Pearl											380		1
Penacook						300		2457			584		2
Perkins											2295		9
Perley											616		3
Perry Avenue											2215		4
Pierce												460	2
Pillsbury												300	1
Pine											2493		1
Pitman										681	985		4
Pleasant												480	6
Prince								10791	3428	292	185		18
Princeton												531	1
Prospect											658		1
Railroad											800		1
Ridge Road											584		1
Rockingham											1012		1
Rollins											1320		2
Rowell												195	1
Rumford											142		1
School							9	15	3502				17
Second W. Concord								5202	708		575		10
Sewall's Falls Road											210		1
Sexton Avenue											1655		1
Short											210		1
South												223	1
Spring, North							4036	1072			4535		4
Spring, South								390		26	2629		12
State, North											2391		4
State, South				5969						31			6
Stevens Avenue						3049	839	21					4
Stickney Avenue										53			2
Stone									250				1
Summer											1080		1
Summit											19	370	1
Tahanto												172	1
Thompson											1015		4
Thorncliffe								38	326		1330		4
Tremont								1898	250				4
Union									823		748		4
											1005		2

SCHEDULE OF IRON AND CEMENT-LINED PIPES AND GATES.—Continued.

STREETS.	Brick CON- DUIT.	LENGTH AND SIZE OF IRON PIPE IN FEET.										Number of gates.						
		30-in.	24- in.	20- in.	18- in.	16- in.	14- in.	12- in.	10- in.	8- in.	6- in.		4- in.					
Valley																		
View													256					
Walker									705				648	639			4	
Wall												754					2	
Warren									454	4258		514					12	
Washington									1404	1118		1244					9	
Water										310								
Waverly														272			1	
West								1836	661			266					4	
Westbourne Road												300					1	
Wiggin												403					1	
Winter												23		202			1	
Woodman												366						
Wyman												220					1	
Hydrant branches									177	153		5072	137				348	
Blow-offs									132			83	145				70	
PENACOOK.																		
Penacook, high ser- vice main						10584												8
Canal, East									225	8								2
Canal, West																		1
Centre									247			467						4
Charles																		3
Church																		1
Crescent									635			58						3
Cross																		2
Electric Avenue												653						
Elliott												476						
Fowler												1300						
High																		3
Lindon													285					1
Main													150					4
Main, West													1678					2
Maple													327					1
Merrimack									70	37								5
Penacook													1923					2
Pine													364					
Rolfe													1846					1
Spring																		1
Stark																		1
Summer									54									4
Union														261				1
Walnut and Bye													884					1
Washington										150		2205						4
Winter													450		4			1
Hydrant branches												27	542					66
Blow-offs															10			12
Totals	2220	522	28795	1963	2788	19788	24759	46778	23836	115635	31245	1049						

**SCHEDULE OF IRON AND CEMENT-LINED
PIPES AND GATES.—Concluded.**

STREETS.	LENGTH AND SIZE OF CEMENT-LINED PIPE IN FEET.						
	18-in.	14-in.	12-in.	10-in.	8-in.	6-in.	4-in.
Old cement-lined main.....		2230					
Low service main.....	11391						
Chestnut.....						373	
Franklin.....						120	
Giles.....							772
High.....						1218	
Main, W. Concord.....			1764				
Perkins.....							34
Rumford.....			5952	1203			
South.....						1229	
Valley.....						879	
Warren.....						11	
Washington.....						501	
Hydrant branches.....						312	88
Blow-offs.....							56
PENACOOK.							
Penacook, high service main....		13110	1221				
Canal, East.....					628		
Canal, West.....					422		
Centre.....					479	245	
Charles.....						1777	
Church.....						482	
Cross.....					734		
High.....						2100	
Main.....			2573				
Merrimack.....			57		1181	2023	
Spring.....						652	
Stark.....				529			
Summer.....					1149		276
Washington.....					1193		
Hydrant branches.....						689	
Blow-offs.....							55
Totals.....	11391	15340	11567	1732	6438	11959	1281

D.

HYDRANTS.

H, HIGH SERVICE; L, LOW SERVICE.

STREETS.	LOCATIONS.	Service.	Number.	
North Main...	Southwest corner of Penacook.....	L	27	
	East side, near J. B. Walker's.....	L		
	Junction of Fiske.....	L		
	East side, near Larkin's store.....	H		
	Northwest corner of Franklin.....	H		
	East side, opposite Pearl.....	H		
	Northwest corner of Washington.....	L		
	West side, at West Garden.....	H		
	East side, opposite Chapel.....	L		
	Northwest corner of Court.....	L		
	Northwest corner of Pitman.....	H		
	Northwest corner of Montgomery.....	H		
	East side, opposite Montgomery.....	L		
	Northwest corner of Centre.....	H		
	Southeast corner of Bridge.....	L		
	Southwest corner of Park.....	L		
	East side, opposite Park.....	H		
	Northwest corner of Capitol.....	H		
	Northwest corner of School.....	L		
	West side, at Centennial Block.....	H		
	East side, opposite Centennial Block.....	L		
	East side, in rear Eagle Hotel.....	L		
	East side, in rear Woodward Block.....	L		
	Northwest corner of Warren.....	L		
	West side, at Central Block.....	H		
	Northwest corner of Depot.....	L		
	Northwest corner of Pleasant.....	L		
	South Main....	Southeast corner of Pleasant.....		H
		Northeast corner of Freight.....		L
		East side, opposite Fayette.....		H
East side, opposite Thompson.....		L		
Southeast corner of Chandler.....		H		
Northwest corner of Wentworth Avenue....		H		
Northwest corner of Thorndike.....		L		
East side, opposite St. John's Church.....		H		
Northwest corner of Perley.....		L		
West side, near Abbot & Downing Co.'s....		H		
East side, opposite Abbot & Downing Co.'s..	L			
East side, near West.....	H			
Northeast corner of Gas.....	L			
West side, opposite Holt Bros. Mfg. Co.....	H			

HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Service.	Number.
South Main....	Southwest corner of South State.....	H	21
	Northwest corner of Pillsbury.....	L	
	East side, opposite Pillsbury.....	H	
	West side, opposite entrance to R. R. shops..	H	
	West side, at Lamprey's.....	L	
	West side, between McKinley and Rockingham	L	
	West side, below Wiggin.....	L	
Water.....	West side, below Bridge.....	L	1
Hall.....	West side, opp. Rolfe and Rumford Asylum.	L	7
	West side, near E. W. Robinson's.....	L	
	West side, near W. A. Phillips'.....	L	
	West side, opposite Hammond.....	L	
	West side, opposite Home Avenue.....	L	
	East side, opposite Roy's.....	L	
	East side, near Rumford Field.....	L	
Hammond.....	North side, near Bridge.....	L	1
Railroad.....	East side, opposite Ford & Kimball's.....	L	1
Fiske.....	West side, near North State.....	H	2
	West side, south line of Walker School.....	H	
Summer.....	Northeast corner of Pitman.....	L	1
Durgin.....	East side, opposite Toof's laundry.....	L	1
North State...	Southwest corner of Penacook.....	H	14
	Northwest corner of Walker.....	H	
	Northwest corner of Church.....	L	
	Northeast corner of Franklin.....	L	
	Northwest corner of Tremont.....	L	
	Northeast corner of Washington.....	L	
	West side, opposite Court.....	L	
	Southwest corner of Maple.....	L	
	Southeast corner of Centre.....	L	
	Southeast corner of Park.....	L	
	Southwest corner of School.....	L	
	Southeast corner of Warren.....	L	
	Northwest corner of Warren.....	H	
	Northwest corner of Pleasant.....	L	
South State...	Southeast corner of Pleasant.....	H	14
	East side, opposite Wall.....	L	
	Southeast corner of Fayette.....	L	
	Northwest corner of Thompson.....	L	
	Southwest corner of Monroe.....	L	
	East side, opposite Laurel.....	L	
	Northeast corner of Downing.....	L	
Mills.....	Northeast corner of West.....	L	9
	Southwest corner of Harrison.....	L	
	West side, near Levi Call's.....	L	
	Northwest corner of Allison.....	L	2

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Dakin.....	West side, near C. E. Harriman's.....	L	1
Dunklee.....	West side, 150 feet south of West.....	L	
	Northwest corner of Allison.....	L	
	Northwest corner of Pillsbury.....	L	3
Broadway.....	West side, at H. H. Metcalf's.....	L	
	Northwest corner of Allison.....	L	
	Northwest corner of Carter.....	L	
	Northwest corner of Stone.....	L	
	West side, at Rollins Park.....	L	
	West side, opposite McKinley.....	L	
	West side, between McKinley and Rockingham	L	7
Donovan.....	Northeast corner of Wiggin.....	L	1
Green.....	Northwest corner of Prince.....	H	
	East side, opposite Prince.....	L	
	Northwest corner of Warren.....	L	3
South.....	West side, opposite Wall.....	L	
	Northwest corner of Fayette.....	L	
	Northwest corner of Thompson.....	L	
	West side, opposite Monroe.....	L	
	West side, opposite Laurel.....	L	
	West side, below N. H. Memorial Hospital..	L	
	West side, opposite Downing.....	L	
	West side, opposite Allison.....	L	
	West side, opposite Pillsbury.....	L	
	West side, near Paige's.....	L	
	West side, opposite I. W. Bushey's.....	L	
	Northwest corner of Iron Works Road.....	L	
	East side, at Quint's.....	L	
	West side, near Bow line.....	L	14
Bradley.....	Southwest corner of Penacook.....	H	
	Northwest corner of Walker.....	L	
	East side, opposite Highland.....	L	
	Northwest corner of Franklin.....	L	4
Union.....	Northwest corner of Maple.....	L	1
Jackson.....	Northeast corner of Church.....	H	1
Lyndon.....	Southwest corner of Tremont.....	H	
	East side, opposite Abbott.....	H	2
North Spring..	Northeast corner of Maple.....	L	
	Southwest corner of Centre.....	H	
	West side, at High School.....	H	
	East side, opposite High School.....	L	
	Southwest corner of School.....	H	5
South Spring..	Southwest corner of Oak.....	L	
	West side, opposite Thompson.....	L	
	West side, opposite Concord.....	L	

HYDRANTS.—Continued.

STREETS.	LOCATIONS.	Service.	Number.
South Spring..	West side, near Memorial Hospital.....	L	4
Academy.....	East side, at F. E. Hook's.....	H	1
Hanover.....	West side, at No. 10.....	L	1
Rumford.....	West side, south of cemetery gate.....	H	
	West side, opposite Perkins.....	L	
	Southeast corner of Walker.....	L	
	Northeast corner of Albin.....	L	
	Northeast corner of Franklin.....	L	
	Northwest corner of Beacon.....	H	
	Northeast corner of Abbott.....	L	
	Northeast corner of Cambridge.....	L	
	Northwest corner of Centre.....	H	
	Northeast corner of School.....	L	
	West side, at Morrill School.....	L	11
Huntington....	West side, at head of Short.....	H	1
Tahanto.....	Northwest corner of School.....	H	1
Pine.....	Southwest corner of Centre.....	H	
	Southwest corner of Warren.....	H	2
Holt.....	East side, at Nason's.....	H	1
High.....	Northwest corner of Auburn.....	H	
	Northwest corner of Valley.....	H	
	East side, opposite Forest.....	H	
	Southwest corner of Franklin.....	H	4
Valley.....	Northeast corner of Forest.....	H	1
Auburn.....	Northeast corner of Chestnut.....	H	
	Northeast corner of Forest.....	H	
	North side, between Centre and Forest.....	H	3
Ridge Road...	West side, opposite Mrs. Jackman's.....	H	1
Westbourne Rd.	North side, north of Mrs. F. P. Hallett's...	H	1
Dartmouth.....	Southwest corner of Clinton.....	L	
	Northwest corner of Noyes.....	L	2
Princeton.....	Southwest corner of Clinton.....	L	
	Northwest corner of Noyes.....	L	2
Fruit.....	Northeast corner of Woodman.....	H	
	West side, near V. A. Dearborn's.....	L	
	East side, opposite W. W. Critchett's.....	L	
	East side, opposite Kilburn's.....	L	4
Minot.....	West side, north of Odd Fellows' Home....	H	
	West side, south of Odd Fellows' Home....	H	
	Northwest corner of Pleasant.....	H	3
Kensington Rd.	Northwest corner of Pleasant.....	H	1
Stevens Ave...	Northeast corner of Pleasant.....	H	1
Penacook.....	South side, near Concord Lumber Co.....	H	
	South side, east of P. B. Co.'s storehouse...	L	
	South side, near P. B. Co.'s.....	H	

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Penacook.....	South side, near P. B. Co.'s office.....	H	8
	Southeast corner of North Main.....	H	
	Southwest corner of Rumford.....	H	
	North side, opposite T. Hannigan's.....	H	
Walker.....	Southeast corner of Columbus Avenue.....	H	2
	Southwest corner of Martin.....	L	
Albin.....	South side, 500 feet west from Rumford...	L	1
	North side, near D. Weathers'.....	L	
Highland.....	North side, between Bradley and Rumford..	L	2
	Northeast corner of Rumford.....	L	
Church.....	South side, east of Bradley.....	L	3
	North side, opposite Lyndon.....	H	
Franklin.....	Northeast corner of Rumford.....	H	6
	Northwest corner of Jackson.....	H	
	Northeast corner of Lyndon.....	H	
	Southwest corner of Rumford.....	H	
	South side, opposite W. J. Ahern's.....	H	
Chestnut.....	North side, between High and Auburn.....	H	1
	Northeast corner of Auburn.....	H	
Tremont.....	Northwest corner of High.....	H	2
	North side, east of Harrod.....	L	
Pearl.....	Southwest corner of Jackson.....	H	1
	North side, at Kimball Flanders'.....	L	
Beacon.....	North side, opposite Merrimack School.....	H	5
	Northwest corner of Jackson.....	H	
	Southwest corner of Lyndon.....	H	
	North side, opposite White.....	H	
Rowell.....	South side, opposite Charles.....	H	1
	Northeast corner of White.....	H	
Blanchard.....	Northwest corner of Essex.....	H	1
	North side, opposite Ford's foundry.....	H	
Ferry.....	North side, near N. E. Granite Works.....	H	4
	North side, east of C. & M. R. R.....	L	
	Northwest corner of Huntoon Avenue.....	H	
	North side, opposite Rollins.....	L	
Washington....	Southwest corner of Union.....	L	6
	Northeast corner of Lyndon.....	H	
	Northwest corner of Rumford.....	H	
	Northwest corner of North Essex.....	H	
	North side, opposite Perry Avenue.....	H	
Chapel.....	South side, near Methodist Church.....	L	1
Montgomery...	South side, opposite Minot's.....	L	1
Centre.....	Northeast corner of North State.....	H	1
	Southwest corner of Green.....	L	
	Northwest corner of Union.....	H	

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Centre.....	Northwest corner of North Spring.....	L	8
	South side, opposite Essex.....	H	
	Southwest corner of Summit Avenue.....	H	
	South side, on east line of Dewey School lot	H	
Bridge.....	Northeast corner of Ridge Road.....	H	3
	South side, near easterly barn.....	L	
Park.....	North side, opposite Concord Coal Co.'s....	H	1
	North side, at St. Paul's Church.....	L	
Capitol.....	North side, at south gate of State House yard	H	2
	Northeast corner of North State.....	H	
Garden.....	Northeast corner of Huntington.....	H	1
	South side, west of Durgin.....	H	
School.....	Northwest corner of North State.....	H	11
	Northeast corner of Green.....	H	
	Northwest corner of Green.....	L	
	Northwest corner of North Spring.....	L	
	Northwest corner of Rumford.....	L	
	Northwest corner of Merrimack.....	H	
	Northwest corner of Pine.....	H	
	Northeast corner of Liberty.....	H	
	North side, opposite E. B. Woodworth's....	H	
	Southeast corner of Giles.....	H	
	Southeast corner of Odd Fellows Avenue....	H	
	Southeast corner of Fremont.....	L	
	Northwest corner of North Spring.....	L	
Warren.....	Northwest corner of Rumford.....	H	9
	Southwest corner of Merrimack.....	H	
	Northwest corner of Tahanto.....	H	
	Northeast corner of Liberty.....	H	
	Northeast corner of Giles.....	H	
	Junction of Pleasant, near Fruit.....	H	
	South side, at north end of train shed.....	H	
	Northwest corner of Railroad Square.....	L	
	South side, at H. B. Boutwell's.....	L	
	South side, opposite Sherburne's.....	H	
Blake.....	Southwest corner of Railroad Square.....	H	1
	Northwest corner of Railroad Square.....	L	
Orchard.....	South side, at South Congregational Church.	L	1
	Southeast corner of South.....	L	
Pleasant.....	Northeast corner of Fremont.....	L	1
	Southwest corner of Spring.....	H	
	South side, opposite Rumford.....	H	
	South side, opposite Merrimack.....	H	
	South side, opposite Pine.....	H	

HYDRANTS.—*Continued.*

STREETS.	LOCATIONS.	Service.	Number.
Pleasant.....	South side, opposite Liberty.....	H	24
	North side, near city stable.....	H	
	South side, near Gale.....	H	
	South side, opposite Mrs. Aiken's.....	H	
	South side, near Mrs. Eddy's cottage.....	H	
	South side, at Lavery's.....	H	
	South side, opposite No. 270.....	H	
	North side, near James Lane's.....	H	
	North side, opposite No. 291.....	H	
	North side, near J. McC. Hammond's.....	H	
	South side, opposite Fiske Road.....	H	
	Southwest corner of School Avenue.....	H	
	North side, at chapel.....	H	
	South side, opposite Lower School.....	H	
	South side, near new Upper School.....	H	
Fiske Road....	East side, at Trask's.....	H	1
Hopkinton Rd..	South side, near new infirmary.....	H	1
Mill Road,			
St. P. School...	East side, near laboratory.....	H	3
	North side, at Orphans' Home.....	H	
	South side, at tenement No. 7.....	H	
Old Hopkinton			
Road.....	Junction of Hopkinton road.....	H	1
Wall.....	Northeast corner of Elm.....	L	1
Marshall.....	North side, opposite Fuller.....	L	1
Freight.....	No. side, at southwest corner pass. station..	H	1
Hill's Avenue..	Southwest corner of Railroad Square.....	L	2
	Northeast corner of South Main.....	L	
Fayette.....	Northwest corner of Elm.....	L	1
Thompson.....	North side, opposite Jefferson.....	L	1
Chandler.....	South side, opposite Railroad.....	L	1
Concord.....	Southwest corner of South State.....	L	3
	Northwest corner of Jefferson.....	L	
	Northeast corner of South.....	L	
Monroe.....	North side, opposite Grove.....	L	2
	South side, at Rumford School.....	L	
Thorndike.....	North side, between So. Main and So. State	L	5
	Southwest corner of South State.....	L	
	Northeast corner of Grove.....	L	
	North side, opposite Pierce.....	L	
	Northeast corner of South Spring.....	L	
Laurel.....	Northwest corner of Grove.....	L	2
	Northwest corner of Pierce.....	L	
Perley.....	Southwest corner of South State.....	L	4
	Northwest corner of Grove.....	L	
	Northeast corner of Pierce.....	L	
	South side, near old brook.....	L	