

dence of Fred Peters, 39 Stone Street. Extinguished by Combination Company. No loss. First run for new auto combination car which went into commission on the 9th inst., at 4.30 p. m.

STILL. December 11, 10 a. m. A call to Chadbourne's Studio, 98 North Main Street, on account of smoke. Combination Company responded but no assistance was required. No fire.

STILL. December 13, 11.19 a. m. Slight fire in closet in residence of H. W. Knee, 95 Franklin Street. Cause unknown. Combination Company responded but no assistance was required. Loss, trifling.

STILL. December 13, 1.04 p. m. Set of farm buildings on the North Pembroke Road, owned and occupied by Luella Prentiss destroyed. Cause, defective chimney. Family absent at time of discovery. Combination Company responded but little could be done except removing furniture from lower floor of house, there being no water available.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$1,500.00	\$1,500.00	\$600.00	\$600.00
Contents,	200.00	200.00	None.	None.
*Mary Frost,	150.00	50.00	None.	None.

STILL. December 14, 10.24 a. m. Alarm occasioned by blowing off of boiler in basement of the John Roach wine room, 131 North Main Street. Combination Company responded but no assistance was required. No fire.

STILL. December 17, 11.40 a. m. Alarm occasioned by smoking stove in residence of Charles B. Tardif, 28 Perley Street. Combination Company responded but no assistance was required. No fire.

STILL. December 19, 8.44 a. m. Chimney fire in resi-

*Goods in storage.

dence of M. Gossline, 89 Water Street. Extinguished by Combination Company. No loss.

STILL. December 19, 9.16 a. m. Chimney fire in residence of Frank Bartlett, 4 Jackson Street. Extinguished by Combination Company. No loss.

STILL. December 20, 4.31 p. m. Chimney fire in residence of Harry Kling, 3 Hammond Street. Extinguished by Combination Company. No loss.

STILL. December 22, 10.45 a. m. Chimney fire in residence of George B. Lauder, 26 Franklin Street. Combination Company responded but no assistance was required. No loss.

STILL. December 22, 2.40 p. m. Chimney fire in residence of C. H. Staniels, 21 Hammond Street. Extinguished by detail sent with Kearsarge wagon. No loss.

STILL. December 22, 4.18 p. m. Chimney fire in residence of Walter Hackshaw, 36 Mills Street. Extinguished by detail sent with chemical engine. No loss.

STILL. December 22, 6.11 p. m. Chimney fire in residence of L. J. Metevier, 51 Thorndike Street. Extinguished by detail sent with chemical engine. No loss.

STILL. December 23, 4.08 p. m. Reported chimney fire in residence 172 North Main Street. Combination Company responded but no assistance was required. No loss.

Box 412. December 23, 7.15 p. m. Fire in residence 21 Fayette Street, owned by Norris Dunklee and occupied by E. J. Leary. Fire originated on top of bureau on second floor, from cause unknown. Three hundred feet of hose wet but no water used in building. Recall, 7.32 p. m.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$4,000.00	\$25.00	\$3,000.00	\$25.00
Contents,	1,500.00	125.00	1,000.00	125.00

STILL. December 26, 8.13 a. m. Chimney fire in residence of George Brown, Long Pond Road, near junction

of Fiske Road. Combination Company responded but at the junction of Auburn and Penacook Streets tire chain trouble developed and by the time repairs were made word was received that no assistance was required. The run was, therefore, not finished. No loss.

STILL. December 27, 8.12 p. m. Chimney fire in residence of W. A. Townes, 8 Mills Street. Extinguished by Combination Company. No loss.

STILL. December 28, 8.30 a. m. Chimney fire in residence of Levin J. Chase, 30 Sewall's Falls Road. Combination Company responded but on arrival found that a detail from the Cataract Company had the situation well in hand. See West Concord report.

STILL. December 28, 9.05 a. m. Chimney fire in residence of John Murphy, 18 South Fruit Street. Combination Company being in service a detail was sent with Kearsarge wagon.

STILL. December 28, 9.19 a. m. A call for assistance from the scene of preceding fire. Extinguished by Combination Company. No loss.

STILL. December 29, 9.59 a. m. Chimney fire in residence of Mrs. Ella Niles, 47 Centre Street. Extinguished by Combination Company. No loss.

STILL. December 29, 6.41 p. m. Chimney fire in residence of Mrs. Hattie Abbott, 44 Bradley Street. Extinguished by Combination Company. No loss.

STILL. December 31, 7.45 p. m. Chimney fire in the Hartz restaurant, 16 Warren Street. Detail from the Central Station sent. No assistance was required. No loss.

STILL. December 31, 10.10 p. m. Chimney fire in residence of P. A. Murphy, 108 North State Street. Extinguished by Combination Company. No loss.

PENACOOK.

Box 35. January 8, 9.15 a. m. Fire in the Hoyt Electrical Instrument Works, Washington Street. Caused by ignition of gasoline from cause unknown. Loss confined to contents. Four hundred feet of hose wet. Recall, 9.28 a. m.

	Value.	Loss.	Insurance.	Ins. paid.
Contents,	\$18,000.00	\$265.00	\$6,000.00	\$265.00

Box 35. January 26, 4.40 p. m. Chimney fire in residence of John McGirr, Jr., 20 Merrimack Street. No loss.

STILL. February 7, 7.45 p. m. Chimney fire in residence of Frank Ferrin, 5 Rolfe Street. No loss.

STILL. February 10, 5.55 a. m. Chimney fire in residence of Carl Holmes, 42 Spring Street. No loss.

STILL. March 8, 8.30 p. m. Chimney fire in residence of Dr. E. W. Sargent, 22 Merrimack Street. No loss.

Box 38. March 24, 12.52 p. m. Grass fire on lot on Chandler Street between High and South Main Streets, owned by W. P. Chandler. No loss.

STILL. March 26, 6.05 a. m. Chimney fire in residence of David J. Driscoll, 11 Rolfe Street. No loss.

STILL. April 21, 4.30 p. m. Brush fire on Elm Street, on lot owned by Clarence Davis. No loss.

4-4-4. April 26, 6.32 p. m. Brush fire near River Hill railroad station, Ward 3. Labored one and three-quarters hours. Loss, trifling. Recall, 8.30 p. m.

4-4-4. April 27, 11.06 a. m. Brush fire on wood lot owned by W. Arthur Bean. Labored one hour. Recall, 12.16 p. m. No loss.

STILL. April 28, 9.20 a. m. Chimney fire in residence of Andrew Goodwin, 137 South Main Street. No loss.

4-4-4. April 29, 7.50 p. m. Brush fire on Elm Street

on land owned by Henry Hardy. Recall, 8.07 p. m. No loss.

Box 35. May 5, 1.49 p. m. Brush fire on Boscawen side. Recall, 2.10 p. m.

Box 35. May 5, 5.10 p. m. False alarm. Recall, 5.14 p. m.

STILL. May 8, 11.00 a. m. Brush fire on Centre Street. Labored one-half hour. No loss.

Box 34. May 8, 11.07 p. m. Fire in four-tenement block, 46-48 Charles Street, owned by Mrs. Mary Baty and occupied by L. E. Hawkins, Edward J. McGirr, and others. Fire originated in shed room of ell from cause unknown and when the alarm was given the flames had burst through the roof, but hard work confined the fire to that portion of the building, although considerable damage was wrought to walls and ceilings of the other part by hot air explosion. Twenty-three hundred feet of hose wet. Recall, 1.40 a. m., 9th inst.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$4,500.00	\$1,619.50	\$3,000.00	\$1,619.50
Contents:				
L. E. Hawkins,	650.00	150.00	None.	None.
E. J. McGirr,	500.00	100.00	None.	None.

STILL. May 11, 9 a. m. Chimney fire in tenement block, 22 Spring Street. No loss.

STILL. May 22, 8.15 p. m. Chimney fire in residence of Jerry Sanborn, 100 Washington Street. No loss.

4-4-4. July 25, 1.55 p. m. Brush fire on River Road on estate of Prof. H. S. Hering. Labored one hour. Recall, 3 p. m. Loss, trifling.

Box 42. July 27, 9.55 a. m. Slight fire in wood shed, residence of James Mulligan, 82 High Street. Cause unknown. Recall, 10.06 a. m.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$1,100.00	\$15.00	\$900.00	\$15.00

STILL. July 28, 11.25 a. m. Chimney fire in Eagle Block, Main Street. No loss.

4-4-4. August 8, 5.15 p. m. Brush fire, River Hill, Ward 3.

4-4-4. August 8, 5.44 p. m. Second alarm given in response to call for assistance from scene of preceding fire. Cord wood owned by Justin Clark destroyed. Caused by sparks from locomotive. Labored two hours. Loss, unknown. Recall, 7.30 p. m.

4-4-4. August 16, 4.50 p. m. Brush fire, River Hill. Caused by sparks from locomotive. Labored one and one-half hours. Recall, 6.20 p. m. No loss.

4-4-4. August 19, 1.55 p. m. Brush fire at the Borough on land owned by Dr. E. E. Graves. Cause unknown. Labored three and one-fourth hours. Recall, 5.15 p. m. Loss, trifling.

STILL. August 22, 5.15 p. m. Chimney fire in Creaser Block, Main Street. No loss.

Box 37. August 24, 3.40 p. m. Grass fire at the Borough on land owned by C. M. & A. W. Rolfe. Cause unknown. Recall, 4.25 p. m. No loss.

STILL. August 24, 7.50 p. m. Tree on fire, River Road. No loss.

STILL. August 29, 7.30 a. m. Chimney fire in residence of John H. Rolfe, 22 Summer Street. No loss.

Box 35. August 30, 3.40 a. m. Fire in Creaser Block, Main Street. Kindling wood in bakery in basement caught fire, presumably from spark from oven. Loss confined to breaking of glass in door to effect entrance. Recall, 4 a. m.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$6,000.00	\$2.50	\$3,000.00	\$2.50

STILL. September 2, 8 a. m. Brush fire at the Borough on land owned by C. M. & A. W. Rolfe. Cause unknown. No loss.

STILL. September 3, 10 a. m. Brush fire at the Borough on land owned by C. M. & A. W. Rolfe. No loss.

4-4-4. September 29, 3.45 p. m. Brush fire at the Bog. Cause unknown. Loss unknown. Labored two and three-fourths hours. Recall, 6.30 p. m.

4-4-4. September 30, 2 p. m. Brush fire at the Bog.

4-4-4. September 30, 2.30 p. m. Second alarm given in response to call for assistance from scene of preceding fire. Labored five hours. Loss unknown. Cause unknown. Recall, 7 p. m.

STILL. October 12, 5.30 p. m. Chimney fire in residence of Richard Lessard, 18 Merrimack Street. No loss.

STILL. October 19, 7 p. m. Chimney fire in residence of Arsene Cluette, 7 Church Street. No loss.

Box 47. November 19, 12.27 p. m. Slight fire in wood shed of residence, 93 Merrimack Street, owned by J. E. Symonds. Caused by children playing with matches. No loss.

STILL. December 11, 7.35 p. m. Slight fire in residence of J. A. Massie, Hardy Avenue. Clothing owned by painter took fire, probably spontaneously, burning small hole through floor. Extinguished with chemicals.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$4,500.00	\$20.00	\$2,500.00	\$20.00

EAST CONCORD.

STILL. February 1, 2.10 p. m. Chimney fire in residence of Charles Chesley, Penacook Street. No loss.

BELL. February 14, 9.30 p. m. Sawmill owned and occupied by Knowles & Marston, located on Potter Street, destroyed. Cause unknown.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$100.00	\$100.00	None.	None.
Contents,	1,100.00	1,100.00	None.	None.

STILL. April 12, 9.15 a. m. Chimney fire in residence owned by William H. Smith, Eastman Street. No loss.

STILL. April 17, 9.00 a. m. Chimney fire in residence owned by Shadrach Cate, Pembroke Street. No loss.

BELL. April 25, 7.30 p. m. Brush fire on Shaker Road near Snow's Pond. No loss.

BELL. April 27, 2 p. m. Brush fire on land owned by C. E. and G. O. Robinson. No loss.

BELL. May 10, 4 p. m. Brush fire on land owned by Fred W. Davis, on the Intervale. Detail left to patrol. No loss.

BELL. June 6, 2 p. m. Grass fire on land owned by A. Gage near railroad. Labored one hour. No loss.

BELL. June 19, 8 p. m. Brush fire on land owned by C. E. and G. O. Robinson on the Plains. No loss.

BELL. June 20, 2.30 p. m. Brush fire on land owned by C. E. and G. O. Robinson on the Plains. Labored one hour. No loss.

BELL. June 22, 9 a. m. Brush fire on land owned by C. E. and G. O. Robinson on the Plains. Labored four hours. No loss.

BELL. July 9, 4.15 p. m. Brush fire on Plains near Break of Day. Labored four hours. See precinct report.

BELL. July 9, 7.30 p. m. Brush fire on land owned by Mary F. Robinson. Labored two hours. Detail left to patrol. No loss.

WEST CONCORD.

STILL. March 2, 6.30 p. m. Chimney fire in residence of Charles Blanchard, 344 North State Street. No loss.

STILL. March 7, 9.30 a. m. Chimney fire in residence of Benjamin H. Kemp, 461 North State Street. No loss.

STILL. March 18, 7 p. m. Chimney fire in residence of Joseph Smith, 384 North State Street. No loss.

BELL. April 24, 11 a. m. Brush fire on land owned by Abijah Hollis, North State Street. No loss.

BELL. May 3, 10.15 a. m. Brush fire on land owned by Abijah Hollis, North State Street. No loss.

BELL. May 4, 2.15 p. m. Brush fire on the William Person lot, Dolan Street. No loss.

BELL. June, 28, 11.55 a. m. Brush fire on city lot, Penacook Park. Loss, trifling.

STILL. June 30, 2 p. m. Chimney fire in residence owned by Nathan Haskell, 2 Hutchins Street. No loss.

BELL. July 10, 2.45 p. m. Brush fire on city lot east of Penacook Park. Labored four hours. Loss on cord wood, \$40, no insurance.

BELL. July 31, 12.45 p. m. Barn and contents owned by John H. Flood, 365 North State Street, destroyed. Caused by sparks from locomotive.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$300.00	\$300.00	\$300.00	\$300.00
Contents,	635.00	635.00	425.00	425.00

Paid by B. & M. R. R.

STILL. August 2, 10 a. m. Slight fire in debris of preceding fire. No loss.

BELL. September 3, 1.50 p. m. Brush fire on land owned by Clough and Martin near River Hill. Labored two hours. Loss, trifling.

STILL. September 29, 4.30 p. m. Brush fire on land owned by Clough and Martin, near River Hill. Labored two hours. Loss, trifling.

BELL. September 30, 2.30 p. m. Brush fire on land

owned by Clough and Martin, near River Hill. Labored one hour. Loss, trifling.

STILL. October 31, 12.40 p. m. Chimney fire in residence of John E. Gay. No loss.

STILL. November 6, 2.30 p. m. Brush fire on Beech Hill on land owned by DeWitt C. Howe. Caused by careless burning of sticking by employees. Labored four hours. Loss, \$75.00. No insurance. Premises patrolled until evening of the 7th inst. See precinct report.

BELL. December 24, 11.05 p. m. Fire in four-tenement house, 370-372 North State Street, owned by Andrew J. Abbott and occupied by Elis Luorna, John Salo, Kalle Elglund and Aullie Harlikka. Caused by overheated stove.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00
Contents:				
John Salo,	250.00	250.00	250.00	250.00
A. Harlikka,	300.00	250.00	300.00	250.00
Elis Luorna,	200.00	200.00	None.	None.
K. Elglund,	225.00	225.00	None.	None.

STILL. December 28, 8 a. m. Chimney fire in residence 30 Sewall's Falls Road, owned by Concord Electric Company and occupied by Superintendent Levin J. Chase.

	Value.	Loss.	Insurance.	Ins. paid.
Building,	\$2,000.00	\$80.00	\$2,000.00	\$80.00

SUMMARY.

	Value.	Loss.	Insur- ance.	Insur- ance paid.	Net loss.
BUILDINGS.					
Precinct	\$172,900.00	\$28,340.09	\$102,000.00	\$19,715.09	\$8,625.00
Penacook	16,100.00	1,657.00	9,400.00	1,657.00
East Concord	100.00	100.00	100.00
West Concord.....	4,800.00	2,880.00	2,880.00	2,880.00
Total	\$193,900.00	\$32,977.09	\$114,280.00	\$24,252.09	\$8,725.00
CONTENTS.					
Precinct	\$122,553.00	\$20,522.40	\$100,050.00	\$15,236.40	\$5,286.00
Penacook.....	19,150.00	515.00	6,000.00	265.00	250.00
East Concord.....	1,100.00	1,100.00	1,100.00
West Concord.....	1,725.00	1,675.00	975.00	925.00	750.00
Total.....	\$144,528.00	\$23,812.40	\$107,025.00	\$16,426.40	\$7,386.00
Buildings..	193,900.00	32,977.09	114,280.00	24,252.09	8,725.00
Buildings and con- tents.....	\$338,428.00	\$56,789.49	\$221,305.00	\$40,678.49	\$16,111.00

APPARATUS AND FORCE.

The apparatus and force of the department is as follows:

Precinct, located at the Central Fire Station, one first-class Amoskeag engine, "Eagle," with modern hose wagon, attached to Eagle Steam Fire Engine Company (13 men); one second-class Amoskeag engine, "Kearsarge," and modern hose wagon, attached to the Kearsarge Steam Fire Engine Company (14 men); one second-class Amoskeag engine, "Governor Hill," relief engine, in charge of an engineer and firemen; and one auto combination car in charge of five permanent men; one ladder truck, "City of Concord," attached to Hook and Ladder Company (21 men); one house man at Central Fire Station. There are eleven horses kept at this station. There are nine permanent men located at the Central Fire Station and one permanent man at each fire station within the precinct.

The Alert Hose Company (11 men), located on Washington Street, has a modern hose wagon with permanent man and two horses.

The Good Will Hose Company (11 men), located on the corner of Concord and South State Streets, has a modern hose wagon with permanent man and two horses.

Veterans' Auxiliary Company (30 men).

One hook and ladder truck, one hose reel, one chemical engine and one wagon in reserve.

The "Pioneer" Engine Company, No. 3 (28 men), at Penacook, has a third-class Metropolitan engine, with two hose wagons.

The Cataract Company (30 men), at West Concord, has a Hunneman 6-inch cylinder hand engine and a modern hose wagon.

Old Fort (30 men), East Concord, has a 4½-inch cylinder Hunneman hand engine and hand ladder truck, and one hand-drawn chemical engine, 50-gallon, single tank.

HOSE.

Precinct,	9,950 feet.
Penacook,	3,000 "
West Concord,	1,400 "
East Concord,	500 "
	<hr/>
	14,850 feet.

PUBLIC RESERVOIRS.

	Capacity cubic feet.
1. Main Street, opposite Abbot & Downing Co.'s,	1,000
2. Main Street, middle front State House yard,	1,500
3. Main Street, rear Court House,	2,000
4. State Street, corner Washington Street,*	2,000
5. Rumford Street, near Mrs. Josiah Minot's,	1,000
6. Orchard Street, corner of Pine Street,*	4,000
7. School Street, corner of Summit Street,*	3,500

* Brick cemented.

FIRE-ALARM TELEGRAPH.

NUMBER, LOCATION, ETC.

For the purpose of uniformity in numbering the fire-alarm boxes, the city is divided into six districts, viz.:

DISTRICT 1. Embraces that section of the city north and west of Washington Street, Box 17 of this division being located on the south side of the street.

DISTRICT 2. Embraces all between School and Washington Streets.

DISTRICT 3. Embraces all between Pleasant and School Streets.

DISTRICTS 4, 5 AND 6. Embrace all south of Pleasant Street.

The first figure of the box number will indicate the district.

DISTRICT No. 1.

- 9. New Hampshire State Prison.
- 12. Curtice Avenue.
- 13. Franklin and Rumford.
- 14. Bradley and Walker.
- 15. Main and Church.
- 16. Franklin and Jackson.
- 17. Alert Hose House.
- 18. C. S. Gale's Store.
- 19. Centre and Liberty.
- 131. Franklin and Charles.
- 191. Auburn and Granite.

DISTRICT No. 2.

- 21. State, opposite Court.
- 23. Main and Chapel.
- 24. Main and Centre.

25. Main and School.
26. Centre and Union.
27. School and Merrimack.
28. School and Spring.
29. Centre and Essex.

DISTRICT No. 3.

32. Warren and Pine.
34. Central Fire Station.
35. Martin's Drug Store.
36. Pleasant and Spring.
37. Pleasant and North Fruit.
38. Orchard and Merrimack.

DISTRICT No. 4.

41. South and Thompson.
42. Good Will Hose House.
43. Main and Fayette.
45. Nelson & Durrell's Store.
46. Perley and Grove.
47. South, opposite Downing.
48. Thorndike and South.
49. West and Mills.
412. Wall and Elm.
413. Main, opposite Thorndike.
414. State and West.
471. Clinton and South Fruit.

DISTRICT No. 5.

51. Boston & Maine Railroad, new shops.
52. South Main and Allison.
53. Hall and Hammond.
54. Broadway and Pillsbury.

- 56. St. Paul's School.
- 57. Pleasant View.
- 521. Broadway and Rockingham.
- 522. South Main and Holly.

DISTRICT No. 6.

- 62. South Main, opposite Holt Bros.

PRIVATE BOXES.

- 5. Boston & Maine Railroad, north end passenger depot.
- 6. The Abbot & Downing Company.
- 7. New Hampshire State Hospital.
- 8. Page Belting Company.
- 9. Three boxes inside New Hampshire State Prison.
- 33. State House.
- 39. Odd Fellows' Home.
- 55. Boston & Maine Railroad, old repair shops.

 FIRE-ALARM SIGNALS.

Alarms rung in from Boxes 41, 42, 43, 45, 46, 47, 48, 49, 412, 413, 414, 471, 51, 52, 53, 54, 55, 56, 57, 62, 521 and 522, will not be responded to by the Alert Hose Company until signaled. The signal to proceed to the fire will be four blows or second alarm, excepting alarms rung in from Box 56.

Alarms rung in from Boxes 8, 9, 12, 13, 14, 15, 16, 17, 18, 19, 131, 191, 21, 23, 26, 27, 29, 32, 37, 39 and 56 will not be responded to by the Good Will Hose Company until signaled. It will be governed by the same signals governing Alert Hose Company. The Alert Hose and Good Will Hose Companies will hitch up and remain in readiness 20 minutes after the first alarm, to all boxes not responded

to on first alarm. Then, receiving no signal, the officers in charge shall dismiss their companies.

Alarms rung in from Boxes 12, 37, 53, 54, 57, 191, 471 and 521 will not be responded to by the Kearsarge Company on first alarm.

The signal to proceed to the fire will be two blows, four blows, or second alarm, as circumstances may warrant.

Kearsarge Steamer to all calls except 51.

Eagle Hose Company to all calls.

Eagle Steamer to Box 6, on first alarm; to Boxes 23, 24, 25, 33, 34, 35, 42, 43, 45 and 413, on second; to all others on third, except 9 and 56.

Governor Hill Steamer will respond to Boxes 7, 8, 9 and 39 on first alarm; to Boxes 5, 6, 12, 13, 14, 15, 16, 17, 18, 19, 131, 191, 21, 26, 27, 28, 29, 32, 36, 37, 38, 41, 46, 47, 48, 49, 412, 414, 471, 52, 54, 55, 57, 62, 521 and 522, on second; to all others on third.

Combination Company will respond to all box alarms.

Veterans' Auxiliary Company will respond to all third alarms occurring before the recall, whether emanating from same box or not.

Two rounds of 11 strokes each will signalize the requirement of assistance out of town, and will be responded to by a detail of three men from each company, appointed for the purpose, and by those alone.

Two additional blows will indicate that the call for assistance emanates from East Concord. Such apparatus will be detailed as circumstances warrant. In case further aid is necessary, Box 34 (Central Station) will follow.

All-out signal, three strokes of the bell.

BRUSH FIRE SIGNAL.

Three rounds of four strokes each will be sounded on the bells and will be responded to by a detail of four men from each company, appointed for the purpose, and by those alone.

MILITARY SIGNAL.

Two rounds of 3-1-2.

SIGNALS FOR CLOSING SCHOOLS.

Two strokes of the bell given three times, with a pause of 15 seconds between the rounds.

The signal to close for the forenoon session will be given at 8 o'clock a. m.

The signal to close for the afternoon session will be given at 1 o'clock p. m.

The signal to close all schools for one session will be given at 11.30 a. m.

TESTING SIGNALS.

For the purpose of testing the condition and accuracy of the fire-alarm telegraph, a box alarm will be rung in every Monday afternoon at 4.30 o'clock precisely. It will be one single round only, indicating by the strokes on the bells the number of the box. The boxes used for this purpose will vary each week, alternating in the circuits.

Upon each other week-day a single blow upon the bells will be rung in from a box, alternating as before mentioned.

THE FIRE-ALARM TELEGRAPH

is the "Gamewell" patent. It embraces 42 miles of wire.

On the lines are 46 fire-alarm boxes belonging to the city, and 10 private boxes—in all, 56. There are three alarm bells, one of 3,724 pounds (bell metal), one of 3,740 pounds (bell metal), and one of 2,000 pounds (American steel). There are also 16 mechanical tappers, 40 direct action tappers, one four-circuit repeater, and six indicators.

The battery consists of 252 storage battery cells.

The alarm system was installed in 1880 by the Gamewell Fire-alarm Telegraph Company.

DIRECTIONS FOR GIVING AN ALARM.

Above all things, keep cool.

To obtain the key to the box, break the glass in the key box located beneath the alarm box.

In each box there is a small bell called a "tell-tale," designed expressly for the purpose of informing you whether an alarm is being transmitted the instant you open the door.

Open the box, and if this bell is not heard, pull down the hook once only and let go.

But if this bell should be heard, it would indicate that another box had been pulled, and it would be useless to attempt to pull another until the one already pulled had performed its mission.

Wait until 20 seconds have elapsed after the "tell-tale" has stopped ringing, close the door, which will restore the armature to the position it left when the door was opened.

Open the door, pull down the hook once only and let go.

Should there be no response, pull it again.

Then should there be no response, go to the next box.

Unless your presence is most urgently required at the scene of the fire, remain at the box to direct the department.

Never open the box or touch anything pertaining to it except in case of fire.

Never give an alarm for a fire seen at a distance.

Be reasonably sure that there is a fire before giving an alarm.

Never give an alarm for a chimney fire unless there is imminent danger of the building catching.

PENACOOK FIRE-ALARM TELEGRAPH.

NUMBER, LOCATION, ETC.

W. C. Green, Chief Engineer:

I herewith submit for your consideration the following report of the Penacook fire-alarm telegraph system: The system is the Gamewell patent, and consists of four and one half miles of No. 9 iron wire. On the lines are eleven boxes owned by the city, two private boxes, one 1,500-pound bell, one indicator, three mechanical gongs and three direct-action tappers. The battery consists of thirty-six storage battery cells. I would respectfully recommend the addition to the system of two new boxes the coming year.

Respectfully submitted,

FRED M. DODGE,
Superintendent of Fire-Alarm.

LOCATION OF BOXES.

31. Elm Street, near S. N. Brown's house.
34. Charles Street.
35. Washington Square.
37. Washington Street, near outlet.
38. Junction of West Main and South Main Streets.
39. South Main Street, near cemetery.
41. Corner of Center and East Canal Streets.
42. High Street, opposite Maple Street.
45. Summer Street, opposite Church Street.
47. Merrimack Street, opposite Hose House.
48. Corner Penacook and Rolfe Streets.

PRIVATE BOXES.

25. Hoyt Electrical Instrument Works.
62. Concord Axle Works.

ALL-OUT SIGNAL.

Three strokes of the bell.

BRUSH FIRE SIGNAL.

Three rounds of four strokes each.

OUT OF TOWN SIGNAL.

Two rounds of eleven strokes each.

FOR FIRE ON BOSCAWEN SIDE.

Box 35, with two additional strokes.

SIGNALS FOR CLOSING SCHOOLS.

Two strokes of the bell given three times, with a pause of 15 seconds between the rounds.

The signal to close all schools for the forenoon session will be given at 7.30 a. m.

The signal to close for the forenoon session at the Charles Street building will be given at 8.00 a. m.

The signal to close all schools for the afternoon session will be given at 12.15 p. m.

The signal to close for the afternoon session at the Charles Street building will be given at 12.45 p. m.

TESTING SIGNALS.

For the purpose of testing the condition and accuracy of the fire-alarm telegraph, a box alarm will be rung in every Saturday afternoon at 12.50 o'clock precisely. It will be one single round only, indicating by the strokes on the bells the number of the box. The boxes used for this purpose will vary each week, alternating in the circuits.

Upon each other week-day a single blow upon the bells will be rung in from a box, alternating as before mentioned.

The Penacook fire-alarm system was installed in June, 1908, under direction of the chief engineer.

REVISED ORDINANCE.**CHAPTER XVIII.****FIRE DEPARTMENT.**

SECTION

1. Fire department — how constituted.
2. Tenure of office, vacancies.
3. Chief engineer, salary.
4. Chief engineer, powers and duties.
5. Assistant engineer, powers and duties in absence of chief.
6. Foremen, duties of inspection, etc.
7. Foremen, duties at fires.
8. Stewards, Alert and Good Will Hose companies.
9. Apparatus to be cleaned, etc.
10. Badges and uniforms.
11. Salaries and pay.
12. Extra services, charges for.
13. Apparatus and firemen to be kept in city.
14. Engineers to inspect buildings; to take means for speedy extinguishment of fires.
15. Absence, neglect of duty.
16. Volunteer companies.
17. Parade, drill, and inspection.
18. Engineers—full control at fire.
19. Regulations concerning shavings and combustibles.
20. Board of engineers to make regulations.

SECTION

21. Disobedience and neglect of duty; qualifications of members.
22. Applications for membership; officers and members not to take part in political matters.
23. Fire alarm telegraph—chief engineer to have control.
24. Vacation without loss of pay, when.
25. Supplies, purchase of.
26. Removal and protection of property endangered by fire.
27. Hydrants to be personally examined by chief engineer.
28. Pay-roll of department.
29. Care and control of fire department buildings in Wards 1, 2, and 3.
30. Stewards of companies in outside wards.
31. Regulations concerning drivers and permanent men; chief engineer to be furnished with horse and wagon.
32. Brush and forest fires.
33. Veteran Firemen's Associations made auxiliary branch.
34. Appropriation for.

SECTION 1. The fire department shall consist of a chief engineer, two assistants within the precinct, one engineer each from Ward 1, Ward 2 and Ward 3; two steamer and hose companies, one company to consist of thirteen men, including driver, and one company to consist of fourteen men, including driver; one relief steamer (company) to consist of two men; two hose companies to consist of eleven

men, including driver; [*a chemical engine company to consist of two men]; a hook and ladder company to consist of twenty-one men, including driver; a house man at Central Fire Station; steamer Pioneer, not less than twenty nor more than forty men; hand engine companies No. 2 and No. 3, not less than twenty nor more than thirty men each. Each company shall be allowed three substitutes, except Hook and Ladder Company, No. 1, which shall have five, to be approved by the chief engineer. The engineers shall exercise the powers of fire-wards, and those within the precinct shall constitute the board of engineers.

SECT. 2. The chief engineer and assistant engineers and all other members of the fire department shall hold their respective offices and places until they are removed, or their offices or places are otherwise vacated. The board of mayor and aldermen, for cause, and after a due hearing, may at any time remove from office or place the chief engineer, any assistant engineer, or any officer or member of the department. In case of vacancies from any cause in the department, of officers or men connected in any manner with the fire service, such vacancies shall be filled by the board of mayor and aldermen.

SECT. 3. The chief engineer shall give his entire time to the duties of his office, unless herein otherwise provided, and shall not engage in or be connected with any other business or occupation, and shall reside in a house to be furnished by the city free from rent. He shall receive in full for his services as chief, in addition to the use of said house, rent free, the sum of twelve hundred and fifty dollars per annum.

SECT. 4. The chief engineer shall have the sole command at fires over all persons, whether members of the fire department or not. He shall direct all proper measures for

*Displaced by Combination Company, December 9.

extinguishing fires, protecting property, preserving order and enforcing the laws, ordinances, and regulations respecting fires; and shall examine into the condition of the fire engines and all other fire apparatus, and of the fire engine houses and other houses belonging to the city and used by the department, and by the companies thereto attached, as often as once a week, and whenever directed to do so by the mayor, or the committee on fire department through its chairman. He shall certify all bills and submit the same for inspection monthly to the joint standing committee on fire department. He shall report to the board of aldermen annually a statement of the receipts and expenditures of the fire department, the condition of the fire engines and all other fire apparatus, a detailed schedule of the property in his charge, the names of the officers and members, and all other facts in relation to the department. Whenever the fire engines or other fire apparatus require repairs he shall, under the direction of the committee on fire department, cause the same to be made, and as far as practicable he shall examine into the location and condition of fire apparatus belonging to corporations or private individuals within the limits of the city. He shall require permanent men, when not otherwise engaged, to perform such other duties and do such other work as in his judgment may be deemed proper. He shall be responsible for the proper care of all property connected with the fire department. He shall keep fair and exact rolls of the respective companies, specifying the time of admission and discharge, and the age of each member, and shall report annually, or oftener if directed, all accidents by fire which may happen within the city, with the causes thereof, the number and description of the buildings destroyed or injured, and the amount of loss and insurance on the same, together with the names of owners or the occupants, and shall make returns as required by the public statutes. He shall visit

each department house as often as practicable, and inspect the men, the books of the house, and see that the quarters are properly conducted and in good order. He shall have the power to suspend any officer or member of the department for insubordination, disorderly conduct or neglect of duty, said suspension to continue pending the action of the mayor and aldermen. The chief engineer shall examine all places where shavings and other combustible materials may be collected or deposited, and cause the same to be removed by the tenants or occupants of such places, or at their expense, whenever in his opinion such removal is necessary for the security of the city against fires.

SECT. 5. In the absence of the chief engineer, the next assistant engineer in rank, who may be present, shall have the powers and perform the duties of the chief engineer and the seniority in rank of the engineers shall be determined by the board of engineers at their first meeting.

SECT. 6. The captain of each engine, hose, and hook and ladder company, immediately after every fire at which said company may have attended, shall examine into the condition of the fire apparatus belonging to his respective company, and report any deficiency which may exist to the chief engineer. He shall keep, or cause to be kept by the clerk of his company, exact rolls, specifying the time of admission, discharge, and age of each member, and accounts of all city property entrusted to the care of the several members, and of all cases of absence and tardiness, in a book provided for that purpose by the city, which rolls and record books are always to be subject to the order of the chief engineer and mayor. They shall also make, or cause to be made, to the chief engineer, true and accurate returns of all members, with their ages, and of the apparatus entrusted to their care, whenever called upon so to do.

SECT. 7. The captain of each company shall, under the direction of the chief engineer, have charge and manage-

ment of his company at fires; the lieutenant shall assist the captain in the discharge of his duties, and act as clerk of the company, and in the absence of the captain assume his authority. The captain and lieutenant shall be appointed by the chief engineer.

SECT. 8. The stewards of the Alert and Good Will Hose Companies shall act as drivers of hose carriages, take charge of and properly care for and exercise the horses used by each company. They shall be permanently engaged and devote their whole time to the department, and sleep in their respective stations at night; and for the proper execution of all duties required of them shall be subject to the direction of the chief engineer.

SECT. 9. It shall be the duty of every engine, hose, and hook and ladder company, to have its engine, hose and other apparatus cleaned, washed, oiled, reeled and housed immediately after its return from any fire or service, and at all times to maintain the same in good condition, and the members of the several companies shall perform any necessary duties which the chief engineer or their respective captain may direct.

SECT. 10. All members of the department when on duty shall wear some suitable badge, to be designated by the board of engineers. The chief and permanent members shall wear at all times when on duty the regulation uniform worn by the fire department.

SECT. 11. The pay-rolls for the board of engineers and the several fire companies shall be made up by the chief and clerk of the board of engineers semi-annually, on the first day of January and July. Captains and clerks of companies will forward their pay-rolls to the board of engineers for approval and after the action of said engineers and the committee on accounts and claims, said pay-rolls shall be passed over to the city tax collector, under whose sole direction all sums for services of call firemen shall be disbursed.

SECT. 12. No charge for extra services will be allowed any member of the department unless upon an order of a member of the board of engineers.

SECT. 13. No engine, hose, or hook and ladder carriage shall be taken to a fire out of the city without permission from the chief engineer, except steamer Pioneer, which may be taken to any fire in the village of Penacook, nor shall any apparatus of the fire department be taken from the city except in case of fire, without permission from the board of mayor and aldermen; and in sending any apparatus to aid in extinguishing fires in neighboring localities, the chief in all cases will authorize his assistant next in rank available to take charge of the direction of such apparatus, and not allow any firemen, at such an emergency, to leave the city, except such a number as is actually required to man the apparatus, and no member to leave without permission or direction from the chief engineer.

SECT. 14. It shall be the duty of engineers and firemen, whenever there is an alarm of fire in the city, to repair immediately to the place of such fire, wearing a suitable badge, and the engineers shall take proper measures that the several engines and other apparatus be arranged and duly worked for the speedy and effectual extinguishment of the fire. The engineers shall inspect and make themselves familiar with all shops, hotels, tenement blocks, and all public buildings, halls, churches, schoolhouses and asylums once in each six months and study the location of all hydrants and reservoirs in the city, and generally inform themselves in all matters pertaining to their duties as engineers. No engineer shall interfere with or attempt to give orders relative to the location or use of a line of hose, when he has ascertained that another has command of it, unless by consent of the engineer in command of it, or by orders of the officer in command of the fire; and it shall be his duty to inquire if there is an officer in charge.

SECT. 15. For each absence from fire, or neglect of duty, the chief engineer, the assistant engineers, and engineers of steamers shall be fined three dollars, and each other member of the department one dollar; provided, however, that any fireman liable as above may in case of sickness have power of substitution by giving notice, each assistant engineer to the chief, each captain to an engineer, and each other member to the captain of his company. All fines shall be paid to the clerks of respective companies at the first regular meeting after they are incurred. The clerks of companies shall disburse the fines to substitutes answering for absent members in cases where there were substitutes. In cases where there were no substitutes the fines shall be paid to the city.

SECT. 16. Any volunteer company using the apparatus of the city at any fire shall be under the control and command of the chief engineer and his assistants, agreeably to the foregoing provisions of this chapter.

SECT. 17. The department shall appear for public parade, drill and inspection at such times as the chief engineer and committee on fire department shall order, for which purpose three hundred dollars may be expended annually. The companies in Wards 1, 2 and 3 will attend by invitation and voluntarily. Each company in the department under the direction of the chief engineer or assistants shall take out their respective engines and apparatus for exercise and drill as often as he shall direct, such exercise and drill to take place in public, not oftener than once a month, and at least once in two months, between the first of April and November.

SECT. 18. The engineers shall have control of all persons appointed to serve in any company of the fire department and power to direct and control the labor of all persons present at any fire. An engineer may and shall cause any fire deemed by him to be dangerous in any place to be extinguished or removed.

SECT. 19. The engineers may establish such regulations respecting the kindling, guarding and safe-keeping of fires and for the removal of shavings and other combustibles from any building or place, as they shall think expedient. Such regulations shall be signed by a majority of the engineers. Such regulations shall be approved by the mayor and aldermen, recorded by the city clerk, and copies attested by him posted up in two or more places in the city thirty days, when they shall take effect. Penalties not exceeding twenty dollars for each offense may be prescribed by the engineers for the breach of such regulations, and such regulations shall remain in force until altered or annulled.

SECT. 20. The board of engineers may from time to time make and enforce such regulations for the government of the department as may be deemed proper, subject to the approval of the board of mayor and aldermen.

SECT. 21. If any member of any of the several companies shall wilfully neglect or refuse to discharge his duty, or shall be guilty of disorderly conduct or disobedience to any officer or to any engineer, he shall for any such offense be forthwith dismissed from the department by direction of the chief engineer. No person shall be a member of, or serve in, the fire department, who is under the age of twenty years, and no person whose occupation is carried on outside the city shall be appointed a member of the fire department.

SECT. 22. All applicants for membership shall be nominated by the chief engineer, and shall receive pay and be considered members of the department from the date of their confirmation by the board of mayor and aldermen.

No person shall hereafter be appointed to any position in the fire department unless and until the committee on fire department shall have certified in writing to the board of mayor and aldermen that such person has been examined

by them, or under their supervision, and is in their opinion qualified to perform the duties of the position to which he is nominated.

No officer or member of the permanent, or officer of the call, force shall attend any political convention as a delegate, distribute tickets at any election, or take any part whatever in political matters other than to exercise the right of suffrage, and no political or religious discussion shall be permitted in any of the department houses.

SECT. 23. The chief engineer shall have the care and management of the rooms, apparatus, machinery, wires, poles and signal boxes connected with the fire-alarm telegraph. He shall prepare rules and directions for giving alarms of fire through the telegraph. He shall have the superintendence, and under the direction of the joint standing committee on fire department have control of the several stations, the apparatus, the furniture therein, and all other property appertaining to the department. He shall, with the assistance of the permanent men at the Central Station, make the necessary repairs and take care of the fire-alarm system, including the batteries, all alarm boxes, and everything pertaining to the fire-alarm system. He shall personally be able to master the fire-alarm in every particular, and every permanent man at the Central Station shall be obliged to understand the fire-alarm system, in order that the chief engineer may call upon any of them to attend to and repair any part of the same. This provision shall not be construed to prevent the chief engineer from employing extra linemen when necessary, or from acting promptly in any emergency.

SECT. 24. Permanent officers and men of the department shall be entitled to a vacation without loss of pay of fourteen days in each year. In addition they shall be entitled to be off duty without loss of pay two days in each month, such two days not to be taken in the same week.

In the weeks that they are not off duty for a day, under the above provision, they shall be entitled to be off duty for one night without loss of pay. All vacations and absences from duty under the above to be under the direction of the chief engineer.

SECT. 25. The standing committee on fire department, subject to the board of mayor and aldermen, shall by themselves or agent purchase all supplies in connection with the fire department, and direct all repairs of apparatus; and all bills contracted for the department must receive their approval before being passed on by the committee on accounts and claims. They shall hold stated meetings at least once each month at the Central fire station, and all communications to the city government from the fire department must come through said committee, and annually at the call of the finance committee, in connection with the chief engineer, they shall make recommendations as to the amount of appropriations the wants of the department will require for the coming year.

SECT. 26. The city marshal and regular police officers shall have in charge all matters relating to the removal and protection of personal property endangered by fire, and any person entering a building or removing property contrary to the orders of the city marshal or such police officers shall be fined five dollars; and in the absence of firemen at fires from their respective department houses, the policemen in that vicinity will take charge of said houses.

SECT. 27. It shall be the duty of the chief engineer to cause all snow and ice or other obstructions to be removed from and around all fire hydrants owned by the city, so that at all times the fire department can make immediate connection of the hose to the hydrants.

SECT. 28. The annual pay of the members of the fire

department shall be as follows, and in full for all services in said department:

Chief, twelve hundred and fifty dollars per annum and house-rent; permanent force at Central fire station, eight hundred and forty dollars each, drivers at Good Will and Alert hose houses, eight hundred and forty dollars each, the members of the chemical company nine hundred and twelve dollars each, per annum, payable semi-monthly; assistant engineers, within the precinct, one hundred and forty-five dollars each; engineers of steamers, within the precinct, one hundred and thirty-five dollars each; captains of companies, within the precinct, each one hundred and ten dollars per annum; lieutenants of companies, within the precinct, one hundred and five dollars per annum; members of steamer, hose, and hook and ladder companies, within the precinct, and house man at Central fire station one hundred dollars per annum; outside the precinct, engine companies Nos. 2 and 3, three hundred and forty dollars each, and Pioneer Steamer company No. 3 [*six hundred dollars], said sums to be divided among the members as each company shall direct; engineer of steamer at Penacook, seventy-five dollars per annum; assistant engineer at Penacook [†twenty-five dollars]; assistant engineer at East Concord, twenty dollars; and assistant engineer at West Concord, twenty dollars.

SECT. 29. The several engineers residing in Wards 1, 2 and 3 shall have the entire care and control, under the direction of the chief engineer, of the buildings and appurtenances occupied in part by the fire department situated in said wards, respectively, to whom all applications for the use of the halls, or any other part of such

*Advanced to one thousand dollars. Effective January 1, 1913.

†Advanced to seventy-five dollars. Effective July 1, 1913.

building, shall be made. Said engineers may severally appoint janitors, at annual salaries not to exceed fifteen dollars, who shall serve under the exclusive direction of the engineer having the care and control of the building where said janitor shall be appointed. Each of said engineers shall annually, in the month of December, render a detailed statement, in writing, to the mayor and aldermen, of all receipts and expenditures for the preceding year on account of such buildings.

SECT. 30. Stewards for the Pioneer Steamer Company and Engine Companies Nos. 2 and 3 shall be appointed by the mayor and aldermen, and shall receive for all services performed by them in that capacity the following sums: For Pioneer Steamer Company, thirty dollars per annum, and when performing the duties of janitor of the building an additional sum of forty-five dollars per annum; and for stewards of Engine Companies Nos. 2 and 3, thirty dollars per annum each. No steward shall be allowed to purchase supplies for such building, or for the department, unless by the authority and direction of the committee on fire department; and in no case shall he have any care or control of the building or its appurtenances occupied by the company of which he is a member, except in the immediate service of the company, unless he shall be appointed janitor thereof, when he shall be under the direction of the engineer, as provided in the foregoing section.

SECT. 31. The permanent men and horses at all of the fire stations in Concord shall at all times be on duty at their respective stations to attend to fire-alarm calls; and neither the permanent men nor the permanent horses connected with the fire department shall engage in any work for any other department of the city.

The men at the different fire stations shall do such work in connection with the station and apparatus as the chief

engineer or his assistants may direct. All permanent men shall lodge in their respective stations (except the chief), and in all cases of absence a substitute must be furnished; and in all cases when any extra service is required, the chief, with the sanction of the committee on fire department, shall have power to hire the same; the chief may also increase as far as possible the number of call men who wish to lodge at any fire station, subject to the regulations of the fire department. The chief engineer shall be furnished with a horse and wagon, to be maintained by the city, for his use at all times.

SECT. 32. All alarms for brush or for forest fires shall be responded to by members of the fire department under such rules and regulations as shall be prescribed by the chief engineer.

SECT. 33. The Veteran Firemen's Association is hereby constituted and made an auxiliary branch of the regular fire department of this city, the members of said association to be considered as honorary and to organize a cooperative working force to serve in emergency, without compensation, such service to be under the direction and control of the officers of the regular organization in allegiance and compliance thereto.

SECT. 34. The standing committee of the board of aldermen on fire department is authorized and directed to rent, at an expense not exceeding one hundred and fifty dollars a year, suitable rooms for the accommodation of said Veteran Firemen's Association, the same to be selected by said association, the same to be charged to the regular appropriation for fire department.

ADDITIONAL REGULATIONS.

ARTICLE 1. Any engine or hose company running out a line of hose from a hydrant or steamer shall be entitled to the pipe, although the hose of other companies may be attached, in order to reach the fire. And any company coming to a fire, and finding an incompleated line of hose laid out from a hydrant or steamer, shall attach to and lengthen out such line, in lieu of laying a line of its own.

ART. 2. When two or more engine companies are playing in a continuous line, the pipe shall belong to the company attaching to hydrant or steamer as provided in the foregoing article; but any company furnishing the entire line, and receiving water from a steamer, the pipe shall belong to such company so receiving.

ART. 3. Hose companies shall attach first lines to high pressure hydrants where accessible; steamers attaching to those of low pressure, or reservoir.

ART. 4. No company shall take possession of a hydrant or reservoir unless their hose and apparatus for attaching to the same are at hand and ready for use.

ART. 5. In proceeding to, working at, or returning from fires, noisy demonstrations are strictly prohibited, and it is required of officers of companies to maintain perfect order and decorum in their respective commands during all such service.

ART. 6. In case of fire the captain first arriving shall be in command until the arrival of an engineer.

ART. 7. Drivers are strictly enjoined, in proceeding to a fire, to use the utmost care and caution consistent with promptness. Racing between companies is forbidden under any circumstances. Any collision or casualty occurring to horses or apparatus will be considered a sufficient cause for the suspension of the driver in charge at the time.

ART. 8. Fire hats are furnished by the city for the protection and identification of the firemen, and they must be worn at all fires except in the severest weather, when caps may be worn.

ART. 9. While attending fires it shall be the duty of members of the department, when not performing active service, to concentrate about their respective pieces of apparatus.

ART. 10. All engine and hose companies responding to second or general alarms will connect, but will not lay their lines until they have reported to the officer in command for orders.

ART. 11. The wearing of badges shall not be regarded by members of the department as conveying to them the privilege of free access to premises after fire has been extinguished.

ART. 12. All members of the department shall address all officers by their respective titles while on duty at fires.

ART. 13. The roll of each company shall be called as soon as the apparatus is housed, and no member will be excused except in case of sickness. Rolls must be called after every alarm. No officer or member will be marked present on the company roll unless present at fires and returns to house with apparatus, unless excused by an engineer.

ART. 14. All orders issued by the chief or an assistant engineer shall be promptly obeyed. At all fires occurring in the night, the chief engineer shall be identified by a red light, assistant engineers by blue lights.

ART. 15. Members of the department are expected to cheerfully comply with all rules and regulations which are adopted or which may be adopted. Captains will be held responsible for all lack of promptness and efficiency in their commands.

ROLL OF THE FIRE DEPARTMENT, 1913.

Permanent Chief Engineer.

WILLIAM C. GREEN, Office, Central Fire Station.

Assistant Engineers.

PRECINCT.

WALTER J. COFFIN, 1st Asst., Shipping clerk, 63 Pleasant Street.
SYLVESTER T. FORD, 2d Asst., Molder, 41 So. Main Street.
WALTER J. COFFIN, Clerk of the Board.

WARD 1.

FRED M. DODGE, Electrical Inst. maker, 61 Merrimack Street.

WARD 2.

ELBRIDGE EMERY, Butcher, Potter St., East Concord.

WARD 3.

GEORGE W. KEMP, Overseer, 443 No. State St., West Concord.

KEARSARGE STEAM FIRE ENGINE AND HOSE COMPANY, NO. 2.

OFFICERS.

J. EDWARD MORRISON, *Captain.* CHARLES POWELL, *Lieutenant and Clerk.*
JAMES H. SANDERS, *Engineer and Treasurer.*

MEMBERS.

<i>Badge</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
1	J. Edward Morrison,	Machinist,	8 Thorndike Street.
2	Charles Powell,	Machinist,	75 Centre Street.
3	James H. Sanders,	Carriage painter,	45 Perley Street.
4	Thomas J. Morrison,	Carriage painter,	32 Downing Street.
6	George B. Davis,	Carriage painter,	3 South Main Street.
7	Herbert M. Sanders,	Collector,	11 Chapel Street.
8	Harry P. Blake,	Machinist,	8 Thorndike Street.
9	Harry L. Messer,	Machinist,	3 Broadway.
10	W. C. B. Saltmarsh,	Carriage Trimmer,	41 Thorndike Street.
11	Harry C. Taylor,	Machinist,	2 No. State Street.
12	George L. Livingston,	Gas inspector,	38 Jackson Street.
5	Chester W. Gay,	Machinist	66 Perley Street.
13	Christopher Cunningham,	Permanent Driver,	Central Station.
14	Joseph H. Brunelle,	Permanent Driver,	Central Station.

EAGLE STEAM FIRE ENGINE AND HOSE COMPANY, NO. 1.

OFFICERS.

J. C. MCGILVRAY, *Captain.*D. J. ADAMS, *Lieutenant and Clerk.**Badge*

MEMBERS.

<i>Nos.</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
18	John C. McGilvray,	Jig-sawyer,	9 Pearl Street.
19	David J. Adams,	Janitor,	107 North Main Street.
20	Charles H. Sanders,	Machinist,	11 Chapel Street.
21	Orrin C. Hodgdon,	Engineer,	31 Beacon Street.
25	Willis J. Sawyer,	Machinist,	44 Thorndike Street.
23	John M. Inman,	Carriage painter,	16 Wall Street.
24	John B. McLeod,	Electrician,	Colonial Block.
22	Eli Langlois, Jr.,	Painter,	5 Perry Avenue.
26	Charles W. Bateman,	Plumber,	60 Centre Street.
28	F. H. Fowler,	Electrician,	34 North Spring Street.
29	Daniel J. Brennan,	Electrician,	18 School Street.
27	P. J. O'Connell,	Silversmith,	38 No. Spring Street.
30	Henry Newton,	Permanent driver,	Central Station.

GOVERNOR HILL STEAMER, NO. 4.

RELIEF ENGINE.

Badge

<i>Nos.</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
34	Elmer H. Farrar, <i>Engineer,</i>	Machinist,	78 South State Street.
35	Henry O. Powell, <i>Fireman,</i>	Blacksmith,	11 Thompson Street.

ALERT HOSE COMPANY, NO. 2.

OFFICERS.

ERNEST E. SABEN, *Captain.*CHARLES C. CHESLEY, *Lieutenant and Clerk.*
J. M. DAVIS, *Treasurer.**Badge*

MEMBERS.

<i>Nos.</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
36	E. E. Saben,	Car-builder,	88 North State Street.
37	C. C. Chesley,	Builder,	11 Prince Street.
39	C. J. French,	Mayor,	5 Perkins Street.
40	C. H. Rowell,	Builder,	147 North Main Street.
42	F. P. McKenna,	Clerk,	19 Franklin Street.
43	J. M. Davis,	Blacksmith,	4 Tahanto Street.
45	M. G. Davis,	Builder,	6 Beacon Street.
38	George L. Osgood,	Clerk,	9 Thompson Street.
41	J. E. Howard,	Woodworker,	6 Rollins Street.
44	D. J. Murphy,	Molder,	2 No. State Street.
46	F. H. Silver,	Permanent driver,	Alert Station.

COMBINATION COMPANY, NO. 1.

OFFICERS.

M. S. WAKEFIELD, *Captain.*C. G. PINKHAM, *Lieutenant and Clerk.**Badge*

<i>Nos.</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
91	M. S. Wakefield,	Captain,	Central Station.
92	C. G. Pinkham,	Lieutenant,	Central Station.
93	M. J. Martin,	1st Chauffeur,	Central Station.
94	E. O. Fowler,	2d Chauffeur,	Central Station.
95	A. P. Turner,	3d Chauffeur,	Central Station.

HOUSE MAN,
A. L. Downing.

PIONEER STEAM FIRE ENGINE COMPANY, NO. 3.

Penacook.

OFFICERS.

HENRY ROLFE, *Captain.*FRANK P. ROBERTSON, *Lieut., Clerk and Treas.*WALTER H. ROLFE, *Engineer.*JOHN B. DODGE, *Steward.*

MEMBERS.

Badge

<i>Nos.</i>	<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
100	Henry Rolfe,	Highway agent,	26 Penacook Street.
101	Frank P. Robertson,	Machinist,	6 Church Street.
102	Walter H. Rolfe,	Foreman,	39 Centre Street.
106	Fred H. Morrill,	Sash-maker,	45 Summer Street.
109	Alfred Beddow,	Stationary engineer,	44 Elm Street.
111	William H. McGirr,	Second hand,	36 Charles Street.
110	John B. Dodge,	Janitor,	59 Merrimack Street.
113	Peter A. Keenan,	Table-maker,	92 High Street.
118	George A. Griffin,	Painter,	15 Washington Street.
120	Harry F. Jones,	Teamster,	7 Washington Street.
123	William Corbett,	Axle-maker,	44 Centre Street.
103	Frank D. O'Brien,	Expressman,	19 Church Street.
124	Delmar R. Jones,	Teamster,	123 Merrimack Street.
114	Henry E. Templeton,	Wood-worker,	41 Washington Street.
112	Ambrose Sweet,	Wine clerk,	67 Washington Street.
119	William H. Holbrook,	Laborer,	9 Webster Street.
116	Loren H. Emerson,	Wood-worker,	110 Merrimack Street.
117	Guy B. Chase,	Teamster,	Union Street.
121	Albert Cassavaugh,	Table-maker,	9 Union Street.
105	Cornelius W. O'Brien,	Hotel clerk,	43 South Main Street.
108	Alfred J. York,	Spinner,	Merrimack Avenue.
115	Carl G. Holmes,	Miller,	42 Spring Street.

OLD FORT ENGINE COMPANY, NO. 2.

East Concord.

OFFICERS.

GEORGE O. ROBINSON, *Captain.*JOHN C. HUTCHINS, *Treasurer.*C. E. ROBINSON, *Lieut. and Clerk.*MICHAEL LACROIX, *Steward.*

MEMBERS.

<i>Names.</i>	<i>Occupations.</i>	<i>Residences.</i>
George O. Robinson,	Water-dealer,	Penacook Street.
C. E. Robinson,	Clerk,	Penacook Street.
John C. Hutchins,	Engineer,	Penacook Street.
William L. Batchelder,	Farmer,	Potter Street.
Samuel G. Potter,	Milk-dealer,	Appleton Street.
William E. Virgin,	Carpenter,	Penacook Street.
Rufus C. Boynton,	Belt-maker,	Penacook Street.
Shad Cate,	Farmer,	Pembroke Street.
Herbert Knowles,	Carpenter,	Penacook Street.
Parker French,	Janitor,	Penacook Street.
Westley Field,	Milkman,	Penacook Street.
John W. Sanborn,	Farmer,	Penacook Street.
Walter C. Sanborn,	Wood-worker,	Portsmouth Street.
Arthur P. Swain,	Moulder,	Penacook Street.
Michael Lacroix,	Blacksmith,	Penacook Street.
Clarence Tibbetts,	Clerk,	Penacook Street.
Reuben L. Cate,	Carpenter,	Cemetery Street.
John T. Cate,	Carpenter,	Shawmut Street.
C. A. Chamberlin,	Farmer,	Shawmut Street.
William F. Paige,	Painter,	Shawmut Street.
Daniel W. Sanborn,	Machinist,	Penacook Street.
Herbert A. Stuart,	Clerk,	Penacook Street.
Thomas Chase,	Machinist,	Penacook Street.
Hiram Gardner,	Blacksmith,	Pembroke Street.
John Canney,	Carpenter,	Mill Street.
Thomas D. Morrison,	Machinist,	Kearsarge Street.
Fred Gardner,	Carpenter,	Pembroke Street.
Howard Stevens,	Clerk,	Shawmut Street.
Fred J. Carter,	Stonecutter,	Penacook Street.
Ross Cate,	Horseshoer,	Penacook Street.

REPORT OF THE BOARD OF PUBLIC WORKS.

To the Board of Aldermen:

The Board of Public Works herewith submits its third annual report for the year ending December 31, 1913.

The board has held thirty-nine meetings including hearings, which have been held on the premises covered by the petitions considered.

One hundred and nine petitions have been presented to the board; ninety-three petitions have been granted; fourteen were referred to the various heads of departments and two were given leave to withdraw.

Early in January a contract was made between the city of Concord and the Concord Electric Company to light the streets with electricity for a period of ten years, using Tungsten street lamps, so called. The use of gas for street lights was discontinued March 1, 1913. New lamps were installed during the year as follows:

One on the Plains, corner of North Pembroke Road and Robinson Street.

One, corner School and Fruit Streets.

One on Gladstone Street.

For a detailed account of work on streets and highways, garbage and sprinkling precincts, including receipts and expenditures, see report of superintendent of streets, herewith appended.

For report of the work in the several sewer precincts, see report of the city engineer, herewith appended.

Respectfully submitted,

CHARLES J. FRENCH, *Mayor,*

OLA ANDERSON,

ELMER H. FARRAR,

RICHARD A. BROWN,

FREDERICK I. BLACKWOOD,

EVERETT L. DAVIS,

NATHANIEL W. HOBBS,

Board of Public Works.

REPORT OF THE HIGHWAY DEPARTMENT.

OFFICE OF SUPERINTENDENT OF STREETS,
CONCORD, N. H., January 20, 1914.

To the Board of Public Works:

GENTLEMEN,—The superintendent of streets herewith submits the annual report of the work of the highway department for the year ending December 31, 1913.

The past year was an unusually busy one for the department, especially along the line of permanent work and general repairs. In my last report, I stated that all the bridges should be painted and expected that the work could be done during the year, but it was impossible to paint any except the Horse Hill bridge. The others should be painted early next spring. The Main Street and Walnut Street bridges in Penacook and the Federal bridge will have to be replanked and the Federal bridge may need new stringers. The plank for the Federal bridge is ready and the work will be done as early as the weather permits. The town of Pembroke has not taken any action in regard to repairing the Richardson Mill bridge, but I think something should be done on it as it was necessary to restrict traffic there last season.

The usual amount of work was done on concrete walks, both new and repairs, and quite a number of gravel walks were also built. There were not so many catch basins put in as usual, not that less were needed but it was impossible to get the work done. There were a large number of iron pipe driveways put in and the calls for them are increasing on account of the automobiles.

Considerable tarvia was used as a surface treatment on the macadam last summer and the results were satisfactory. It will be necessary to give all the macadam some kind of

surface treatment early in the season as the automobile traffic makes it necessary in order to hold the macadam together. The state highway department furnished aid in resurfacing the South Pembroke and Penacook roads and no doubt will do so each year for the work on the trunk lines through the city.

The trees in the city are still infested with the browntail and gypsy moths and the elm tree beetle. There was no apparent flight as usual of the browntail in July and it looked as though the trees might not be badly infested, but later in the season we found that there were more nests than usual. I think possibly the smaller lights of the new lighting system did not attract the moths and therefore the trees became more thickly infested. The present indications are that we shall find that the gypsy moth has spread over a larger territory this year. In several previous reports I have called your attention to the number of trees that have died and been removed and recommended that new ones should be set out. I think that a large number of the trees have been killed by gas from defective gas pipes. If the department were to set out a few trees each year, taking care to plant the same kind of trees as are already on the street, we should in time do much toward improving the appearance of many of the streets. It is a deplorable fact that so many poplar trees have been set out in different sections of the city and I hope that no more will be planted in the streets.

The use of oil last summer for dust laying instead of water, while possibly a little more expensive, gave much more satisfactory results. With oil the dust is laid for the whole day and evening, while with water, if windy, the streets are soon dried up and often become very dusty soon after the sprinklers have finished for the day. I think it would be wise to use oil again next summer. We had an unusually dry season last year and it was necessary to run more sprinklers later into the fall than ever before.

It is hard to find any place for dumping garbage within easy hauling distance and I would again recommend the purchase of an auto truck for the collection of garbage. The recent extension of the precinct and the difficulty of finding proper places for disposing of the garbage, have increased the expense considerably and for that reason I think a truck would be an economy. And not only do I believe that a truck for garbage would be economical but a smaller auto for general use in the department would be a saving of time and a great convenience. During the summer the work is scattered over the city and the time necessary to go from one piece of work to another is considerable, especially when the extent of the city is taken into consideration.

The permanent improvements for 1913 were the macadamizing of a section of South Street from Fayette to Concord. This was a continuation of the work begun the year before. Tarvia was used in construction and a good piece of road was built for \$2,110.21. The work of macadamizing on North Main Street from Chapel to Pearl, which was put over from last year, was done in August. Considerable work was necessary in cutting down at Pearl and Chapel Streets on account of the grade but the work was completed for \$2,550.29. Macadam was also put in on North State Street from Calvary Cemetery to the railroad crossing. A plain water-bound macadam was built with an application of tarvia put on later. With a very little repairing in the early spring and another application of tarvia the road should be in condition to withstand heavy traffic. The section of macadam on Merrimack Street in Penacook which was put in a number of years ago was rebuilt. On account of the drainage it was thought best to carry the macadam on a little farther than the original section and the work was done for \$1,162.96. A section of the Pittsfield road was graveled for \$494.62.

In recommending permanent improvements for the com-

ing year, I am fully aware of the fact that there are many places besides those which I shall mention that need to be improved and am suggesting only such places as it seems will serve the most people and at the same time continue work which has already been begun. Therefore, I should recommend that another section of South Street be macadamized and North Main Street from Chapel to Pitman. South Main Street, which is the main thoroughfare into the city, is in very bad shape. I have recommended for several years past that the street should be macadamized but the work has been put off on account of the work that should be done on the sewer there. Now that the sewer has been relaid I hope the street may be macadamized from Thorn-dike to Perley. With the adoption of the new traffic rules, which confines the traffic to one side of the street, there have arisen many complaints of the condition of the paving on the east side of North Main Street from Park to Center. The granite block paving there is very rough and I think it should be taken up and concrete laid the same as on the west side of the street. The macadam on the Hopkinton road from the Eddy estate to Saint Paul's School is in bad condition and should be resurfaced as early in the season as possible. It should have been done last year and any further delay in repairing the road would be unwise. Some portions of North State Street above the railroad crossing are much in need of repair. Certain sections are fairly good stone chip road but there are a number of places that should be macadamized. Last year I recommended that Park Street be rebuilt but the work was not done and I would again suggest that it be repaired. Before any work is done there, however, the edgestone on the south side past the State House should be reset and the walks repaired. The north walk on Capitol Street past the State House is also in very bad condition and needs to be rebuilt. Possibly the state might aid in the work of reconstructing the sidewalks. The work of graveling the Pittsfield road

should be continued next year. In Penacook, the continuation of the work on Merrimack Street would seem wise and I hope the work in Washington Square which was contemplated last year may be completed.

The subject of building roads and the maintenance of them is being more widely discussed every year and the problems arising from the conditions of traffic, etc., become more perplexing. In the opportunities afforded me at the various conventions which I have attended to meet others engaged in the same kind of work, I find that we are keeping abreast with other cities in our road building and are experiencing the same difficulties. I wish to thank the Board of Public Works for the interest with which they have considered the questions that have been brought before them in regard to highway work, for their interest and fair consideration assist greatly in the performance of the work of the department.

Respectfully submitted,

ALFRED CLARK,
Superintendent of Streets.

WARD ONE.

STREET.	Work.	Expense.
Borough Road	General repairs.....	\$56.04
Center	“ “	39.37
Charles	Repairing concrete walks.....	17.94
Church	General repairs.....	29.10
Cross	“ “	4.45
Crescent	“ “	8.38
East Canal.....	“ “	9.03
East Canal.....	“ “	11.83
Elm	Repairing concrete roadway.....	14.03
High	“ “ walks.....	1.92
Horse Hill Road.....	New concrete walks.....	91.37
Linden	General repairs.....	78.45
Main	“ “	41.74
Mast Yard Road.....	Repairing concrete walks.....	5.59
Merrimack Avenue.....	General repairs.....	115.41
Merrimack	“ “	46.30
Penacook	“ “	158.36
Pine	“ “	282.49
Pleasant	Repairing concrete walks.....	6.83
River Road.....	General repairs.....	241.59
River Hill Road.....	Macadamizing	1,162.96
Rolfe	General repairs.....	50.77
Runnells Road.....	“ “	29.06
Spring	“ “	13.25
Stark	“ “	436.43
Summer	“ “	5.93
Summit	“ “	35.85
Sweatt Hill Road.....	“ “	58.18
Union	“ “	24.69
Walnut	Repairing concrete walks.....	12.30
Warren	General repairs.....	4.00
Washington	“ “	26.95
West Canal	“ “	4.44
West Main.....	Repairing concrete walks.....	5.38
Winter	General repairs.....	2.72
	“ “	2.33
	“ “	108.14
	“ “	12.45
	“ “	92.58
	“ “	10.71
	“ “	22.33
	“ “	5.44

WARD TWO.

STREET.	Work.	Expense.
Appleton	General repairs.....	\$12.74
Canterbury Road.....	“ “	9.22
Cemetery Road.....	“ “	10.49
Clinton	“ “	23.10
Curtis Road.....	“ “	16.71
East Clinton.....	“ “	7.54
Eastman	“ “	5.64
Flaghole Road.....	“ “	9.22
Graham Road.....	“ “	62.96
Hayward Road.....	“ “	6.21
Hot Hole Pond Road.....	“ “	18.44
Intervale Road.....	“ “	42.22

WARD TWO.—*Concluded.*

STREET.	Work.	Expense.
Kilburn Road.....	General repairs.....	\$18.44
Loudon Road.....	" ".....	22.08
Mountain Road.....	" ".....	5.25
Pecker.....	" ".....	6.92
Pembroke.....	" ".....	77.98
Penacock Road, Hoit District..	" ".....	38.25
Penacock Road, Sanborn Dist..	" ".....	23.05
Penacock Rd., Penacock Int.Dist.	" ".....	17.18
Penacock Rd. and Penacock St.	" ".....	789.63
Portsmouth.....	Repairing concrete walks.....	152.96
Potter.....	General repairs.....	33.65
Sanborn Road.....	" ".....	123.80
Schoolhouse Road.....	" ".....	33.97
Sewall's Falls Road.....	" ".....	5.02
Shaker Road.....	" ".....	45.44
Shaker Road, Virgin District..	" ".....	178.76
Shawmut.....	" ".....	75.93
Tyargo Road.....	" ".....	72.76
Virgin Road.....	" ".....	7.07
		106.23

WARD THREE.

STREET.	Work.	Expense.
Beech Hill Road.....	General repairs.....	\$32.85
Bog Road.....	" ".....	372.79
Carter Hill Road.....	" ".....	17.44
Clark.....	" ".....	13.17
Dolan.....	" ".....	1.30
Electric Avenue.....	" ".....	67.14
Engel.....	" ".....	71.59
Ferrin Road.....	" ".....	10.36
Fisher.....	" ".....	71.65
Hutchins.....	" ".....	113.30
K.....	" ".....	1.61
Knight.....	" ".....	2.89
Lake.....	" ".....	38.20
Little Road.....	" ".....	8.35
Long Pond Road.....	" ".....	95.32
North State.....	" ".....	179.52
Number Four Road.....	" ".....	29.97
Peabody.....	" ".....	3.06
Pine Hill Road.....	" ".....	39.40
Quaker.....	" ".....	2.00
River Road.....	" ".....	246.49
Saltmarsh Road.....	" ".....	64.58
Sandbank Road.....	" ".....	24.81
Second.....	" ".....	1.80
Sewall's Falls Road.....	" ".....	83.40
View.....	" ".....	.89
West Parish Road.....	" ".....	22.75

WARD FOUR.

STREET.	Work.	Expense.
Abbott	General repairs.....	\$1.13
Academy	“ “.....	1.60
	Repairing concrete walks.....	25.88
Auburn	General repairs.....	75.71
Beacon	“ “.....	10.87
Blanchard	“ “.....	2.94
Bradley	“ “.....	23.77
Center	“ “.....	29.54
	Repairing concrete walks.....	23.10
Chapel	General repairs.....	5.12
Charles	“ “.....	1.44
Church	“ “.....	25.93
Court	“ “.....	11.50
East Penacook.....	“ “.....	58.22
Essex	“ “.....	7.48
Ferry	“ “.....	16.26
Fiske	“ “.....	13.49
Franklin	“ “.....	32.24
Harrod	“ “.....	5.03
High	“ “.....	49.27
Jackson	“ “.....	46.65
	Repairing concrete walks.....	4.68
Lyndon	General repairs.....	37.58
	Repairing concrete walks.....	24.94
Maple	General repairs.....	19.71
Montgomery	“ “.....	5.40
	Repairing concrete walks.....	23.38
North Main.....	General repairs.....	263.09
	Repairing concrete roadway.....	89.76
	“ “ walks.....	196.08
	Macadamizing.....	2,550.29
North Spring.....	General repairs.....	1.84
North State.....	“ “.....	33.41
	Repairing concrete roadway.....	100.05
	“ “ walks.....	142.96
Pearl	General repairs.....	1.56
Pitman	“ “.....	2.03
Ridge Road.....	“ “.....	2.92
Rollins	Repairing concrete walks.....	21.62
Rumford	General repairs.....	50.54
	Repairing concrete walks.....	30.55
	New concrete walks.....	38.07
Summer	General repairs.....	2.03
Tremont	“ “.....	15.74
Union	“ “.....	32.57
Valley	“ “.....	22.34
	Repairing concrete walks.....	17.82
Washington	General repairs.....	39.82
	Repairing concrete walks.....	122.05
White	General repairs.....	7.96
	New concrete walks.....	21.14
Winter	Repairing concrete walks.....	19.42

WARD FIVE.

STREET.	Work.	Expense.
Blake	General repairs.....	\$4.96
	New concrete walks.....	66.48
Capitol	Repairing concrete roadway.....	.29