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ANNUAL REPORT
OF THE
FIRE DEPARTMENT
OF THE
CITY OF LOS ANGELES
CALIFORNIA



FOR THE YEAR ENDING
JUNE 30th, 1920

BOARD OF FIRE COMMISSIONERS

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Mayor Meredith P. Snyder, Chairman

A. C. Denman, Jr.

Walter C. Brinkop

C. E. McKeag, Secretary

B. J. Scott, Chief Engineer

"A" Division

Assistant Chief Engineer	- - - - -	L. H. Davis
Battalion Chief, District No. 1	- - - - -	I. B. Truesdel
Battalion Chief, District No. 2	- - - - -	Chas. B. Casey
Battalion Chief, District No. 3, Acting	-	C. J. Howley
Battalion Chief, District No. 4, Acting	-	B. M. Blake
Battalion Chief, District No. 5	- - - - -	S. H. Dodd
Battalion Chief, Harbor District, Acting	-	J. C. Baly
Chief's Chauffeur	- - - - -	Walter J. Shreves

"B" Division

Assistant Chief Engineer	- - - - -	F. C. McDowell
Battalion Chief, District No. 1	- - - - -	J. G. Johnson
Battalion Chief, District No. 2	- - - - -	A. H. Moore
Battalion Chief, District No. 3	- - - - -	L. B. Andrews
Battalion Chief, District No. 4	- - - - -	F. O. Edwards
Battalion Chief, District No. 5	- - - - -	John H. Atwell
Chief's Chauffeur	- - - - -	R. W. Roberts

Headquarters

Secretary of Department	- - - - -	H. M. Keegan
Executive Clerk	- - - - -	Clarence O. Hively
Stenographer	- - - - -	M. M. Barnes
Clerk	- - - - -	L. Knoll
Machinist	- - - - -	E. G. Henry
Captain	- - - - -	Wm. H. Bryden
Lieutenant Drill Tower	- - - - -	S. H. Calderwood
Fireman	- - - - -	A. E. Valencia

Fireman Telephone Operator - - - - - A. T. Moriarty
Fireman Telephone Operator - - - - - Wm. Fort
Fireman Telephone Operator - - - - - S. V. Owen
Fireman Telephone Operator - - - - - John P. Home

Fire Prevention Bureau

Assistant Chief Engineer - - - - - John G. Todd
Captain - - - - - E. H. Enos
Lieutenant - - - - - V. E. Pierret
Clerk - - - - - G. W. Patterson

FIRE DEPARTMENT

FOR THE YEAR ENDING JUNE 30, 1920

To The Honorable, The Mayor, The City Council, The Board of Fire Commissioners of The City of Los Angeles, California.

Gentlemen:—

I have the honor to present herewith, in compliance with the requirements of the City Charter, the Thirty-fourth Annual Report of the Los Angeles Fire Department.

A record of the Department will be found in this report, showing the number of alarms to which response has been made, with the losses resulting therefrom; also the number and kind of improvements made during the year 1919-1920, together with recommendations for improvements that are necessary at the present time in order that proper fire protection may be given the residents and owners of the City.

During the fiscal year 1919-1920, the Los Angeles Fire Department has responded to 3334 alarms, 3035 of which were actual fires, being 248 more than for the preceding fiscal year, the property loss being \$1,468,792.00.

During the same period the companies at San Pedro, Wilmington and Terminal Island responded to 171 alarms, 162 of which were actual fires, with a property loss of \$131,925.00.

During the year one American LaFrance Triple Combination Pumping Engine, Chemical and Hose Wagon was placed on duty in East San Pedro.

10,000 feet of 2½" cotton-jacketed, rubber-lined fire hose and 4000 feet of 1½" cotton-jacketed rubber-lined fire hose and a small amount of minor equipment were purchased and placed in service.

The following apparatus was purchased and placed in service during the year:

Seven American LaFrance Auto Triple Combination Pumping Engine, Chemical and Hose Wagons.

One White Auto Chassis.

One Dodge Roadster.

One Cadillac five-passenger touring car.

RECOMMENDATIONS

The City has increased rapidly in population, and consequently building activities have been stimulated to a great extent, and it necessarily follows that the fire hazard has grown proportionately. In order that adequate fire protection may be afforded, it is imperative that consideration be given the following recommendations:

That a one story bungalow type engine house be constructed on the lot owned by the City at Sawtelle.

That double, brick engine houses be constructed on lots owned by the City at the following locations:

10th and Gaffey Sts., San Pedro.

Engine Co. No. 1, 2507 Pasadena Ave.

Engine Co. No. 2, 2127 East First St.

That lots be purchased and one story bungalow engine houses be constructed on the same at the following locations: Bairdstown, Gardena, Harbor City, Palms, 10th and Norton Sts., Cypress and Pepper Sts., West Hollywood at Gardner Junction, and Owensmouth.

That ten motor driven triple combination pumping engines, chemical and hose wagons be purchased and installed with the necessary crews and equipment at the following locations: Sawtelle; 10th and Gaffey Sts., San Pedro; Bairdstown; Gardena; Harbor City; Palms; 10th and Norton Sts.; Cypress and Pepper Sts.; West Hollywood at Gardner Junction, and Owensmouth.

That ten motor driven triple combination pumping engines, chemical and hose wagons be purchased and installed to replace apparatus now in service at following houses:

Hose Co. No. 1, 113 South Griffin Ave.

Hose Co. No. 4, 129 South Loma Drive.

Engine Co. No. 2, 2127 East First St.

Engine Co. No. 18, 2616 Hobart Blvd.

Engine Co. No. 20, 2144 Sunset Blvd.

Engine Co. No. 21, 1187 East 52nd St.

Engine Co. No. 25, 2927 Stephenson Ave.

Engine Co. No. 29, 158 South Western Ave.

Engine Co. N. 32, 2930 West First St.

Engine Co. No. 35, 1314 North Vermont Ave.

That two 75-foot, motor-driven aerial trucks be purchased and installed at Truck Co. No. 1, 1615 South Hill St., and Truck Co. No. 4, 1819 West 7th St.

That six motor-driven city service trucks be purchased and installed with necessary crews and equipment at the following locations:

Engine Co. No. 1, 1901 Pasadena Ave.

Engine Co. No. 2, 2127 East First St.

Engine Co. No. 22, 4352 So. Main St.

Engine Co. No. 29, 158 So. Western Ave.

Engine Co. No. 30, 1401 Central Ave.

San Pedro, 10th and Gaffey Sts.

That one three-ton supply truck be purchased for the Store Room at 227 Aliso St.

That one chassis be purchased for a city service truck.

That one two-ton motor-driven chassis for combination chemical and hose wagon be purchased.

That four Ford roadsters be purchased for the Fire Prevention Bureau and the Store Room.

That eight roadsters costing not less than \$1800.00 each be purchased for use as follows: Five for Battalion Chiefs, one for the Assistant Chiefs, one for the Fire Prevention Bureau, and one for the Store Room.

That six village hand-drawn hose carts and two hand-drawn chemical tanks be purchased for use of volunteer companies.

That three new motors be purchased to replace worn out motors in present apparatus.

That six new electric starters be purchased to replace worn out electric starters now in use.

That 30,000 feet of 2½" and 5,000 feet of 1½" cotton-jacketed rubber-lined fire hose be purchased to equip new companies and to replace old worn out hose.

I would also recommend that, where necessary to provide adequate fire protection, the five water corporations be required to enlarge their mains, so as to permit more fire hydrants being placed in the territory served by them, as at the present time there is a large area of the City in which fire hydrants cannot be placed on account of the small size of the mains.

The growth of the City is phenomenal, the present area being approximately 385 square miles, and it has become almost impossible for the Fire Department to cover this large amount of territory without additional apparatus, all of which should be motor-driven, not only on account of the extent of the territory to be protected, over which buildings are widely scattered, but also from an economical standpoint, and as a matter of efficiency, and I also strongly urge that all horse-drawn apparatus be motorized as rapidly as possible.

I again urgently recommend the installation of a modern fire alarm to be commenced without delay. The need of such a modern system is becoming more obvious daily and the Fire Department cannot be expected to properly respond to alarms of fire unless a proper and efficient fire alarm system is provided whereby they may receive the alarm at once and with certainty.

The public should not be required to depend upon telephone service to transmit an alarm of fire to the Fire Department. An ample number of street boxes should be provided, and at least 1000 additional fire alarm boxes should be installed throughout the City to give the required protection to the public.

I also recommend that a street fire alarm box be placed at every schoolhouse in the City and that an auxiliary box, connected with said street box, be installed in the office of the Superintendent of each school; also, that a street box be placed in front of every theater, to further protect the patrons of such places of amusement.

That semi-white and red lamps be placed at locations of fire alarm boxes to indicate the location of such boxes to the public at night.

That a semaphore fire alarm system with vibrating gongs be placed at each corner of the congested district on Main, Spring, Broadway and Hill Streets, to notify the public and the crossing officers of the approach of fire apparatus, said system to be connected and operated from the Central Fire Alarm Office.

The City should own the conduits and wires of the Fire Alarm System, thereby discontinuing the use of leased wires, as at present, which is entirely unsatisfactory.

The system should be so devised as to allow of the growth of the city in the future and for at least twenty years to come.

At least 70% or more of the city is without fire alarm boxes and the residents in this territory must depend entirely upon the telephone system for sending in alarms, which in itself is unreliable at times, and many times entails serious delay in receiving of alarm, with corresponding loss of property.

More fire alarm boxes should be installed at San Pedro, East San Pedro and Terminal Island, as the Central Office equipment there is of sufficient capacity to allow the installation of such fire alarm boxes.

A fire alarm system should be installed at Wilmington, Harbor City, Hollywood, Rose Hill and Bairdstown, which localities cover a large area, and are rapidly building up with municipal and other improvements and entirely without a fire alarm system of any kind.

Also, provision should be made for a fire alarm system at Gardena, Sawtelle, and Van Nuys, which localities are also building up.

I also wish to take this opportunity to recommend the urgent need of the proposed \$2,000,000.00 Bond Issue to provide a new up-to-date fire alarm system and to purchase lots, build new houses and procure proper equipment.

In conclusion, I desire to extend my thanks to His Honor, the Mayor, the Honorable Members of the City Council and the Board of Fire Commissioners, for their interest in matters pertaining to the Fire Department.

Also, to the Prosecuting Attorney for the invaluable assistance rendered ~~this Department~~ in the enforcement of the fire ordinance.

I also wish to thank the officers and members of the Fire Department and the Fire Prevention Bureau for their faithfulness, willingness and strict attention shown in the performance of their duties, and to extend thanks to the Chief of Police and the members of the Police Department for assistance rendered at fires.

Respectfully,

R. J. SCOTT,

Chief Engineer.

SALARIES

Position	Salary per Month
1 Chief Engineer	\$ 300.00
3 Assistant Chief Engineers.....	225.00
9 Battalion Chiefs	200.00
1 Secretary of Department—	
First year	195.00
Second year	205.00
Third year	215.00
1 Executive Clerk—	
First year	180.00
Second year	190.00
Third year	200.00
1 Clerk—	
First year	115.00
Second year	125.00
Third year	140.00
1 Stenographer—	
First year	110.00
Second year	115.00
Third year	125.00
1 Clerk—	
First year	110.00
Second year	115.00
Third year	125.00
44 Captains	175.00
62 Lieutenants	175.00
2 Fire Tug Captains	170.00
72 Engineers	170.00
81 Auto Firemen	150.00
485 Firemen—	
First year	120.00
Second year	130.00
Third year	140.00
Fourth year	150.00

1	Machinist	175.00
1	Driver Supply Wagon	100.00
3	Foremen (Palms, Gardena, Culver City).....	25.00
1	Horseshoer	\$6.50 per day
1	Assistant Horseshoer.....	5.50 per day
1	Painter	7.00 per day
1	Carpenter	7.00 per day

**TOTAL EXPENDITURE, FIRE DEPARTMENT,
FISCAL YEAR 1919-1920**

Personal Services:

Salaries	\$1,178,264.45	\$1,178,264.45
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Structures and Improvements:

Hydrants	4,104.93	
Paving	564.49	
Building Improvements	8,337.87	
Miscellaneous Improvements	5,015.42	18,022.71

Contractural Service:

Expense, Chief to Convention.....	250.00
Printing Annual Report	98.55
Printing Maps	82.38
Postage	1,288.81
Telephones	7,492.21
Light and Power.....	3,268.44
Water Service—Hydrants	1,568.83
Transportation	140.09
Hospital Service	2,295.23
Veterinary Service	284.75
Electrical Repairs	327.08
Badge Repairs	86.83
Harness Repairs	5.45
Plumbing Repairs	665.51
Storm Drains—Sewers—Paving....	55.37
Auto and Apparatus Repairs.....	79,277.09

House Repairs	1,089.42	
Miscellaneous.....	170.52	
Fire Boat Repairs.....	708.36	99,154.92
Equipment:		
Fire Boat	16,843.30	
Fire Hose	11,102.97	
Fire Preventing and Fire Fighting Apparatus	87,831.57	
Furniture and Furnishings.....	4,013.18	
Heating	1,786.67	
Badges	532.22	
Tires	2,796.48	
Production Equipment	191.86	
Transportation Equipment	11,855.01	136,953.26
Fixed Charges:		
Bond—Secretary	5.00	
Insurance—Stock 227 Aliso St.....	347.50	
Rents	1,764.60	2,117.10
Material:		
Fibre Products	316.78	
Lumber and Wood Products.....	1,635.36	
Hardware	1,697.99	
Non-Metallic and Mineral Products.....	1,009.60	
Paints and Painters' Material.....	3,975.21	
Miscellaneous	12.74	8,647.68
Supplies:		
Hay	6,817.13	
Barley and Bran.....	2,526.04	
Fuel: Briquets	3,406.67	
Coal	1,054.71	
Excelsior and Kindling....	1,254.97	
Gasoline and Kerosene.....	7,250.17	
Gas	4,072.01	
Acid and Soda	861.89	
Drugs and Medical Supplies.....	55.73	

Oxygen—Batteries—Pulmotor	316.59	
Horseshoer's Supplies	985.33	
Cleaning Supplies	5,547.06	
Lubricants	1,580.68	
Tires	1,977.23	
Miscellaneous Auto Supplies.....	2,304.61	
Stationery and Office Supplies.....	1,619.51	
Miscellaneous	1,684.93	43,315.26
TOTAL EXPENDITURES		\$1,486,475.38

INVENTORY OF PROPERTY OWNED BY THE DEPARTMENT

Company	Lot	Block	Tract	Size of Value of		Kind of Building	Value of Building
				Lot	Lot		
Eng. Co. No. 1	1901	Pasadena Ave.	East Los Angeles Tract....	19x300	\$16,700	2-story frame	\$ 1,312
Eng. Co. No. 2	2127	East First St..	Moore & Keller's Sub.....	39x148	3,900	2-story frame	1,115
Eng. Co. No. 3	217	South Hill St..	Beaudry Tract	60x135	60,000	2-story brick	21,141
Eng. Co. No. 4	227	Aliso St.	Wilcox Aliso St. Property..	89x174	20,000	2-story brick	10,206
Eng. Co. No. 5	525 E.	Fourth St.	Wolfskill Orchard	28x100	18,800	2-story frame	2,624
Eng. Co. No. 6	1279	Temple St....31-42	Angelino Heights Tract....	66x150	5,250	2-story frame	2,551
Eng. Co. No. 7	328 E.	24th St....20-21	Flashe's Main St. Sub.....	40x150	2,000	2-story frame	2,386
Eng. Co. No. 8	1819	So. Hoover St.11-12	Reeves Tract Sub.....	100x150	9,000	2-story frame	2,099
Eng. Co. No. 9	916	Santee St....	Hamell & Denker.....	50x150	17,500	2-story frame	2,362
Eng. Co. No. 10	1615	So. Hill St....	Morris Vineyard	50x150	20,800	2-story frame	3,645
Eng. Co. No. 11	1819	W. Seventh St.	F. W. Wheeler	50x150	3,750	2-story frame	2,953
Eng. Co. No. 12	5921	Pasadena Ave.	R. Rogers Sub.....	51x136	10,000	2-story frame	4,593
Eng. Co. No. 13	2669	W. Pico St....	Elec. Ry. Homestead Assoc..	51x136	10,000	2-story frame	3,477
Eng. Co. No. 14	3401	Central Ave....	Wilson	50x180	5,000	2-story frame	3,477
Eng. Co. No. 15	3203	McClintock St.	West Los Angeles.....85x	75x115	9,000	2-story br. & fr.	5,511
Eng. Co. No. 16	139	N. Hope St....	Mott Tract	50x165	16,000	2-story brick	11,148
Eng. Co. No. 17	2100	E. Seventh St.	M. L. Wicks Sub.....	50x140	17,500	2-story brick	6,156
Eng. Co. No. 18	2616	Hobart Blvd...	C. Victor Hall.....	50x133	2,000	2-story brick	7,405
Eng. Co. No. 19	1435	No. Main St....	New Depot	50x160	5,000	2-story brick	6,428
Eng. Co. No. 20	2144	Sunset Blvd..	Washington Heights	50x145	5,000	2-story brick	8,748
Eng. Co. No. 21	1187	E. 52nd St....	O'Neil Place	80x218	2,000	2-story brick	8,019
Eng. Co. No. 22	4352	So. Main St....	S. Woodlawn	50x140	2,500	2-story brick	8,657
Eng. Co. No. 23	225	East 5th St...	Revere & Vignola	27x170	28,500	3 story concrete	45,961
Eng. Co. No. 24	204	Hewitt St. ...	Thomas	75x120	16,000	2-story brick	30,464
Eng. Co. No. 25	2927	Stephenson Ave.	Euclid Crest	50x132	3,750	2-story brick	13,777

INVENTORY OF PROPERTY OWNED BY THE DEPARTMENT—Continued

Company	Lot	Block	Tract	Size of Value of		Kind of Building	Value of Building
				Lot	Lot		
Eng. Co. No. 26—2475 W. Washington St.	11		Angelas	50x150	5,000	2-story brick	14,489
Eng. Co. No. 27—1625 Cahuenga Ave.	1	A.B.	Sackett	100x150	15,000	2-story brick	24,233
Eng. Co. No. 28—644 S. Figueroa St.	23½		Ord's Survey	50x150	\$62,500	3-story concrete	\$65,111
Eng. Co. No. 29—158 S. Western Ave.	5		Bedford Square	60x143	3,900	2-story brick	18,745
Eng. Co. No. 30—1401 Central Ave.	1	A	Walnut Grove	47x150	2,500	2-story brick	18,506
Eng. Co. No. 31—700 W. Slauson Ave.	1	F	Burke Bros. Slauson Sub.	50x130	1,500	1-story brick	9,977
Eng. Co. No. 32—2930 W. First St.	31		Westlake	50x140	3,000	1-story brick	2,953
Eng. Co. No. 33—244 W. Florence Av.	5		Peckham's Moneta Ave. Sq. No. 4	50x140	1,100	1-story brick	10,000
Eng. Co. No. 34—3834 S. Western Av.	13		Fenway	50x144	1,700	1-story brick	10,000
Eng. Co. No. 35—1314 N. Vermont Ave.	1 & pt. 2		Rueger	45x145	2,500	1-story brick	10,000
Eng. Co. No. 37—Wilmington						1-story frame	4,000
Eng. Co. No. 40—324 Tuna St., Fish Harbor						1-story frame	4,000
Hose Co. No. 1—113 S. Griffin Ave.	2-3-4	17	Wm. Lacyn Sub.	28x141	1,500	2-story frame	1,312
Hose Co. No. 2—1527 Winfield St.	3	2	Williamson	50x122	3,000	2-story frame	2,096
Hose Co. No. 4—128 S. Loma Drive.	34	D	J. W. Ellis Sub.	50x120	1,250	1-story frame	1,458
Vacant Lot—1409 W. Vernon Ave.	34		University Place	50x145	1,500		
Vacant Lot—361 S. Reno St.	15	4	Diamond	67½x120	3,750		
Vacant Lot—2607 Pasadena Ave.	2	A	Griffin Addition	50x140	4,150		
Vacant Lot—3516 N. Broadway	4	1	Prichard	50x150	7,500		
Vacant Lot—1301 Brooklyn Ave.	1	14	Swanfield Tr. No. 1	50x148	2,750		
Vacant Lot—1701 W. Seventh St.	14	14	Fairmont	60x115	18,000		
Vacant Lot—N. E. Cor. 45th and Compton	21-22	2	Dawes & Niles Sub. Div. of Vernondale	50x130	2,000		
Vacant Lot—Mission Road and Topaz	99		Grider & Hamilton's Rose Hill Sub.	50x140	800		
Vacant Lot—San Pedro, 12th and Gaffey	13	24	Rucinda	40x124	2,000		

FIRE DEPARTMENT

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HORSE-DRAWN FIRE ENGINES

			In	In	
			Service	Reserve	Total
Metropolitan Ex.	1st size	No. 23-E23	1
"	1st size	No. 9-E24, No. 10-E9	2	..	..
"	3rd size	No. 20 Stored at E18 .....	..	1	4
Nott	2nd size	No. 14-S at E5, No. 16-E16	1	1	2
Ahrens	3rd size	No. 7-E25, No. 8-S, No. 5-E29	2	1	..
"	4th size	No. 6-E39	1	..	4
Amoskeag	2nd size	No. 3-E19	1	..	..
"	3rd size	No. 1-E36, No. 2-S, at E14, No. 4-S at No. 30	1	2	4
Continental	4th size	No. 25-S at E30....	..	1	1
LaFrance	2nd size	No. 11-E17, No. 12-E10	2	..	2
Total			11	6	17

FIRE ENGINES DRAWN BY TRACTORS

			In	In	
			Service	Reserve	Total
Nott	3rd size	Christie Tractor, No. 26-S .....	..	1	1
Metropolitan Ex.	1st size	LaFrance Tractor, No. 22-E3	1	..	..
"	3rd size	Christie Tractor, No. 13-S, No. 19-E6, No. 21-S....	1	2	..
"	4th size	Christie Tractor, No. 24-E2	1	..	5
Continental	4th size	Christie Tractor, No. 27-E30	1	..	1
Total			4	3	7

AUTO PUMPING ENGINES

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	In Service	In Reserve	Total
Robinson Auto Combination Pumping Engine and Hose Wagon, 6-cylinder, 120 h. p., No. 28-S at E7.....	..	1	1
Gorham Auto Pumping Engine, 6-cylinder, 144 h. p., No. 32-E28.....	1	..	1
Gorham Auto Pumping Engine, 6-cyl., 144 h. p., changed from Comb. to straight pumping engine, No. 30-E20, No. 31-E4	2	..	2
Gorham Auto Comb. Pumping Engine and Hose Wagon, 6-cylinder, 144 h. p., No. 29-E27	1	..	1
Gorham Auto Comb. Pumping Engine and Hose Wagon, 4-cylinder, 96 h. p., No. 33-E14, No. 34-E31.....	2	..	2
American LaFrance Auto Comb. Pumping Engine and Hose Wagon, 6-cylinder, 72 h. p., No. 109-S.....	..	1	1
American LaFrance Auto Triple Comb. Pumping Engine, Chemical and Hose Wagon, 6-cylinder, 72 h. p., changed from Combination to Triple, No. 35-E38, No. 108-E40	2	..	2
American LaFrance Auto Triple Comb. Pumping Engine, Chemical and Hose Wagon, 6-cylinder, 72 h. p., No. 52-E13, No. 42-E15, No. 17-E8, No. 51-E12, No. 53-E26, No. 83-E33, No. 44-E34, No. 119-E36	8	..	8
Seagrave Auto Triple Comb. Pumping Engine, Chemical and Hose Wagon, 6-cylinder, 74 h. p., No. 121-E1.....	1	..	1
Seagrave Auto Comb. Pumping Engine and Hose Wagon, 6-cylinder, 74 h. p., No. 122-E22	1	..	1
Ford Auto Comb. Pumping Engine and Hose Wagon, No. 99-S.....	..	1	1
Total	18	3	21

Note:—"S" denotes stored.

**HORSE-DRAWN COMBINATION CHEMICAL AND HOSE
WAGON**

	In Service	In Reserve	Total
Seagrave, No. 38-E19, No. 39-E10, No. 57-E9, No. 58-E24	4	..	4
Fire Extinguisher, No. 43-E17.....	1	..	1
Anderson, No. 50-E16.....	1	..	1
Straight Engine, No. 66-Palms.....	1	..	1
	<hr/>	<hr/>	<hr/>
Total	7	..	7

AUTO COMBINATION CHEMICAL AND HOSE WAGON

	In Service	In Reserve	Total
Seagrave, No. 37-E11, No. 54-E18, No. 56-E30, No. 64-E32, No. 72-E36, No. 123-E23, No. 62-H2 at E27.....	7	..	7
Moreland, No. 110-E4, No. 111-E28, No. 112-E35	3	..	3
American LaFrance, No. 120-E3.....	1	..	1
	<hr/>	<hr/>	<hr/>
Total	18	..	18

**RE-CONVERTED COMBINATION CHEMICAL AND HOSE
WAGON ON CHASSIS**

	In Service	In Reserve	Total
Fire Extinguisher, Gramm Chassis, No. 71-E21	1	..	1
Fire Extinguisher, Moreland Chassis, No. 68-E25	1	..	1
Fire Extinguisher, Seagrave Chassis, No. 60-E39	1	..	1
Seagrave, Moreland Chassis, No. 54-H4, No. 59-H1	2	..	2
American LaFrance, Moreland Chassis, No. 45-S at E29, No. 65-E20.....	1	1	2
Holloway, Moreland Chassis, No. 36-E2..	1	..	1
Racine, Moreland Chassis, No. 40-E6.....	1	..	1
Seagrave, Seagrave Chassis, No. 61-E29, No. 63-E37	2	..	2
	<hr/>	<hr/>	<hr/>
Total	10	1	11

HORSE-DRAWN TRUCKS

	In Service	In Reserve	Total
Seagrave City Service, No. 75-S at E22... ..	1		1
Babcock City Service, No. 76-S at H2... ..	1		1
Total	2		2

AUTOMOBILE TRUCKS

	In Service	In Reserve	Total
Seagrave Automatic Aerial, No. 77-T6, No. 102-T7	2	..	2
Seagrave City Service, No. 78-S, No. 103- T8, No. 104-T9	2	1	3
Total	4	1	5

TRUCKS TRACTORIZED

	In Service	In Reserve	Total
Anderson City Service, Seagrave Chassis, No. 73-T1	1	..	1
Seagrave Aerial, American LaFrance Chassis, No. 74-T2	1	..	1
Total	2	..	2

Note: "S" denotes stored.

AUTOMOBILES FOR CHIEFS

- Cadillac—ScottNo. 96
- StutzNo. 92-S
- Studebaker—CaseyNo. 93
- StudebakerNo. 94—Store Room
- Studebaker—ToddNo. 95
- Studebaker—DavisNo. 98
- Studebaker—HowleyNo. 113
- Studebaker—AtwellNo. 114
- Studebaker—EdwardsNo. 115
- Dodge—JohnsonNo. 87
- Ford—BalyNo. 116
- FordNo. 97-S

Ford	No. 47-S	
Ford www.libtool.com.cn	No. 117—Fire Prevention	
Ford	No. 118—Fire Prevention	
Ford Supply Truck	No. 41-S	
Double Tank Chem. Eng. Auto.....	No. 80-S at E7	
Kissel Kar Truck	No. 90-S	
Gorter Water Tower.....	No. 79-WT E24	
Hydrant Buggies	No. 84-E1, No. 85-E30, No. 86-E8, No. 88-E8	
Supply Wagons, No. 81.....	No. 81 & No. 82 at Corp. Yard	
Anderson Fuel Wagon.....	No. 46—Owensmouth, No. 67-E3	
Horse Shoeing Wagon.....	No. 106-S	
Moreland Squad Wagon.....	No. 89-E23	
White Hose Wagon.....	No. 100-S	
Hose, cotton-jacketed, rubber lined, 2½", in service.....	88,900	
Hose, cotton-jacketed, rubber-lined, 2½", in service, Volunteers	8,900	
Hose, cotton-jacketed, rubber-lined, 2½", in reserve.....	1,950	
Hose, cotton-jacketed, rubber-lined, 2½", condemned.....	1,950	
Hose, cotton-jacketed, rubber-lined, 1½", in service.....	4,000	
Chemical Hose in service	11,400	
Chemical Hose in service, Volunteers.....	700	
Chemical Hose in reserve	800	
Chemical Hose condemned	500	

Note: "S" denotes stored.

HORSES OWNED BY THE FIRE DEPARTMENT

In actual service in Department, July 22, 1920..... 51

Memorial

In memory of those members of the Fire Department who have passed to the Great Beyond. The memory of their loyal and faithful service still reposes in the breasts of their brethern.

VOLUNTEER FIRE COMPANIES IN ANNEXED DISTRICTS

District	Location	Members	Equipment
Harbor City	25309 Belle Porte Ave.		One combination hand-drawn truck with 40 gal. chemical tank and 200 feet of $\frac{3}{4}$ " chemical hose. One hand-drawn hose reel with 600 feet of $2\frac{1}{2}$ " hose.
Terminal Island	Ocean Ave. bet. Ontario and Pomona Walk	} 8 Vol.	Two hand-drawn hose reels with 500 feet each of $2\frac{1}{2}$ " hose.
E. San Pedro	Fish Harbor		
Wilmington	124 "B" St., foot of Fries St.	} 15 Vol.	Two-hand-drawn hose reels with 500 feet each of $2\frac{1}{2}$ " hose.
East Wilmington	1120 End Avenue		
Gardena	16515 Ainsworth St.	20 Vol.	Two hand-drawn hose reels with 500 feet of $2\frac{1}{2}$ " hose. One 60-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose.
McKinley Home		Vol.	One 60-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose and 11 3-gallon fire extinguishers.
Rose Hill	4512 Esmeralda St.	Vol.	One 60-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose.
Atwater Tract	S. E. Cor. Brand Blvd. and Perlita Ave.	Vol.	One hand-drawn hose reel with 500 feet of $2\frac{1}{2}$ " hose.

Palms 7557 Motor Ave. Vol. One 60-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose.
 One hand-drawn hose reel with 900 feet of $2\frac{1}{2}$ " hose.
 One horse-drawn straight hose wagon.

Angeles Mesa Vol. One 35-gallon two-wheel hand-drawn chemical engine with 200 feet of chemical hose, ladders, etc.

Klondike Park Lemoyne Terrace, South of Los Feliz Road Vol. One hand-drawn hose reel with 650 feet of $2\frac{1}{2}$ " hose and 200 feet of chemical hose.

Mt. Washington Elysian Drive in the Hotel Grounds }
 Echo Park S. E. Cor. Echo Park Avenue and Terrace Dr. } Vol. Two hand-drawn hose reels with 500 feet of $2\frac{1}{2}$ " hose.

Owensmouth One hand-drawn hose reel with 500 feet of $2\frac{1}{2}$ " hose.
 1 Seagrave hose wagon.

Zelzah N. W. Cor. Canby Ave. and Eddy St. Vol. One 30-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose.
 One hand-drawn hose reel with 600 feet of $2\frac{1}{2}$ " hose.

Culver City N. E. Cor. Pico Blvd. and Lenkill Vol. One hand-drawn hose reel with 500 feet of $2\frac{1}{2}$ " hose.

Chatsworth Park Vol. One 30-gallon two-wheel hand-drawn chemical engine with 100 feet of $\frac{3}{4}$ " chemical hose.

EQUIPMENT OF FIRE COMPANIES

Company	Engine Type	Wagon Type	2 1/2-in. Hose on Wagon Ft.	2 1/2-in. Hose In Tower Ft.	Chemical Hose Ft.	1 1/2-in. Hose	Ext. Ladders	Chem. Ext.	Chem. Tanks
Engine No. 1—	Seagrave Auto Triple Com- bination Pumping Engine, Chemical and Hose Wagon.....		1000	1000	300	100	30	2—3 Gal.	60
Engine No. 2—	Metropolitan 3rd Size (Auto Christie Tractor)	Holloway (Moreland Chassis).....	1000	1000	250	100	30	1—3 Gal.	60
Engine No. 3—	Metropolitan Ex. 1st Size (Amer. La France Tractor). American La France Auto.....		1200	1400	400	100	20	2—3 Gal.	60
Engine No. 4—	Gorham Pumping Engine....	Moreland Auto	1000	1000	300	100	30	1—3 Gal.	60
Engine No. 6—	Metropolitan 3rd Size (Auto Christie Tractor).....	Racine (Moreland Chassis).....	1000	1000	250	100	30	1—3 Gal.	60
Engine No. 8—	American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon		1000	1000	250	100	30	1—3 Gal.	60
Engine No. 9—	Metropolitan 1st Size.....	Seagrave Combination Wagon.....	1000	1000	300	100	30	1—3 Gal.	60
Engine No. 10—	La France 2nd Size.....	Seagrave Combination Wagon.....	1000	1000	300	100	30	1—3 Gal.	60
Engine No. 11—	.....	Seagrave Auto	1000	1000	350	100	30	4—6 Gal.	..
Engine No. 12—	American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	Champion Double Tank Chemical (Moreland Chassis)	1300	1300	600	100	60	2—6 Gal. 1—3 Gal.	2—60 60

Engine No. 13—American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	1000	300	100	30	2—3 Gal.	60
Engine No. 14—Gorham Auto Pumping Engine and Hose Wagon	1000	150	100	42	4—6 Gal.	..
Engine No. 15—American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	1000	300	100	30	2—3 Gal.	60
Engine No. 16—Nott 3rd Size	1000	300	100	32	1—3 Gal.	35
Engine No. 17—La France 2nd Size	1000	250	100	30	1—3 Gal.	60
Engine No. 18—.....Seagrave Auto	1000	250	100	30	1—3 Gal.	60
Engine No. 19—Amoskeag 3rd Size	1000	250	100	30	1—3 Gal.	60
Engine No. 20—Gorham Pumping Engine	1000	250	100	30	2—3 Gal.	30
Engine No. 21—.....Fire Extinguisher (Gramm Chassis)	1000	250	100	30	2—3 Gal.	60
Engine No. 22—Seagrave Auto Pumping Engine and Hose Wagon	1000	100	100	30	2—3 Gal.	..
Engine No. 23—Metropolitan Extra 1st Size	1200	400	100	30	2—3 Gal.	60
Engine No. 24—Metropolitan 1st Size	1000	350	100	30	2—3 Gal.	50
Engine No. 25—Ahrens 4th Size (Auto Christie Tractor)	1000	250	100	28	2—3 Gal.	60
Engine No. 26—American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	1000	100	100	30	1—3 Gal.	..
.....	.....	.....	.....	..	2—6 Gal.	..

EQUIPMENT OF FIRE COMPANIES—Continued

Company	Engine Type	Wagon Type	2 1/2-in. Hose on Wagon Ft.	2 1/2-in. Hose in Tower Ft.	Chemical Hose Ft.	1 1/2-in. Hose	Ext. Ladders	Chem. Ext.	Chem. Tanks
Engine No. 27—	Gorham Auto Pumping Engine and Hose Wagon		1000	1000	100	100	20	2—3 Gal.	..
Engine No. 28—	Gorham Pumping Engine	Moreland Auto	1000	1000	300	100	30	2—6 Gal.	60
Engine No. 29—	Ahrens 3rd Size (Christie Tractor)	American La France (Moreland Chassis)	1200	800	250	100	20	2—3 Gal.	60
Engine No. 30—	Continental 4th Size (Christie Tractor)	Seagrave Auto	1000	1000	250	100	40	2—3 Gal.	60
Engine No. 31—	Gorham Auto Pumping Engine and Hose Wagon		1300	700	100	100	30	4—6 Gal.	..
Engine No. 32—		Seagrave Auto	1000	1000	350	100	30	2—3 Gal.	..
Engine No. 33—	American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon		1000	1000	100	100	30	1—3 Gal.	..
Engine No. 34—	American La France Auto Pumping Engine and Hose Wagon		1000	1000	100	100	30	2—6 Gal.	..
Engine No. 35—		Moreland Auto	1200	800	250	100	30	2—3 Gal.	60
Engine No. 36—	Amoskeag 2nd Size, American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon		2150	1850	600	100	70	1—6 Gal.	..
			2—3 Gal.	40

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Engine No. 37—	Seagrave (Seagrave Chassis)	750	850	200	100	2—3 Gal.	35	
Engine No. 38—	American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	1000	1150	300	100	30 1—6 Gal.	60	
Engine No. 39—	Ahrens 3rd Size	1200	800	200	100	30 2—3 Gal.	60	
Engine No. 40—	American La France Auto Triple Combination Pumping Engine, Chemical and Hose Wagon	1000	2550	400	100	30 1—3 Gal.	60	
Hose No. 1—	Moreland Auto	1000	1000	250	100	34 2—3 Gal.	60	
Hose No. 2—	Seagrave Auto	1000	400	100	30	2—3 Gal.	30	
Hose No. 4—	Seagrave (Moreland Chassis)	1200	900	250	100	32 2—3 Gal.	60	
Squad Wagon—						2—6 Gal.	60	
Truck No. 1—	Anderson (Seagrave Chassis)					245 2—3 Gal.	60	
Truck No. 2—	Seagrave Aerial (American La France Tractor)					320	60	
Truck No. 5—	Seagrave Aerial Auto					299 2—3 Gal. 2—6 Gal.	60	
Truck No. 6—	Seagrave Auto					203	60	
Truck No. 7—	Seagrave Auto Aerial					416 2—3 Gal.	60	
Truck No. 8—	Seagrave Auto City Service					328 2—3 Gal.	60	
Truck No. 9—	Seagrave Auto City Service					244 2—3 Gal.	60	
Fire Boat—		3300	200				60	
TOTAL							88,900	4000
TOTAL							11,400	4000

**NUMBER OF ALARMS RESPONDED TO BY EACH COMPANY, HOSE LAID, CHEMICAL USED, LADDERS RAISED,
BLOCKS RUN, AND TIME WORKED**

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Company	Box Alarms	Tel. Alarms	Still Alarms	Total Alarms	False Alarms	Miles Run	Blocks Run	Hose Laid Feet	Ladders Raised Feet	Chem. Used Gallons	Worked Hrs. & Min.
Engine No. 1	45	54	..	99	7	247.1	....	14,000	185	84	64 30
Engine No. 2	57	86	..	143	23	227.6	....	21,350	430	449	77 22
Engine No. 3	74	159	..	233	28	259.7	....	11,850	372	767	52 25
Engine No. 4	97	71	9	177	15	210.	....	19,150	90	381	83 25
Engine No. 6	40	43	6	89	5	126.83	....	9,500	270	605	32 12
Engine No. 8	56	79	2	137	21	268.51	....	13,400	314	258	83 55
Engine No. 9	73	105	9	187	9	....	1618	14,050	610	460	64 03
Engine No. 10	51	116	6	173	8	....	2075	14,400	190	648	70 12
Engine No. 11	24	65	8	97	5	212.45	....	9,250	170	199	44 08
Engine No. 12	16	74	5	95	9	97.8	568	2,050	290	725	43 29
Engine No. 13	17	63	14	94	6	182.69	....	7,900	170	495	54 12
Engine No. 14	62	99	..	161	27	365.2	....	13,150	304	131	64 22
Engine No. 15	54	82	4	140	15	197.79	1679	11,840	730	603	64 42
Engine No. 16	38	60	7	105	2	....	726	8,850	280	319	48 24
Engine No. 17	51	67	3	111	22	4.7	1919	13,650	270	646	72 31
Engine No. 18	..	2	..	2	..	3.4	....	....	....	....	.. 42
Engine No. 19	42	18	6	66	13	....	591	8,300	188	129	34 43
Engine No. 20	12	69	7	88	4	179.2	....	5,500	130	56	45 41
Engine No. 21	16	28	..	44	7	27.57	318	5,350	142	185	15 30
Engine No. 22	36	70	2	108	10	200.3	....	11,200	380	12	37 20
Engine No. 23	86	132	12	230	6	189.8	....	17,650	790	1453	84 34
Engine No. 24	46	107	22	175	12	....	1453	19,900	246	390	106 16
Engine No. 25	11	26	7	44	9	66.11	....	7,250	110	186	18 15

Engine No. 26.....	46	103	7	156	10	341.8	.....	3,000	70	107	9	11
Engine No. 27.....	..	60	6	66	2	168.	.....	5,700	130	40	26	40
Engine No. 28.....	63	243	6	312	12	440.	.....	34,300	330	1826	114	45
Engine No. 29.....	3	79	9	91	2	187.8	301	9,100	100	173	53	40
Engine No. 30.....	101	124	8	233	33	453.6	.....	24,350	860	830	118	40
Engine No. 31.....	33	70	6	109	20	304.9	.....	7,950	184	72	48	03
Engine No. 32.....	21	31	3	55	2	67.6	19	2,850	40	132	19	01
Engine No. 33.....	..	22	..	22	..	61.7	.....	.....	60	120	10	53
Engine No. 34.....	48	86	6	140	16	346.7	.....	13,063	210	142	56	47
Engine No. 35.....	1	91	7	99	6	289.9	.....	9,400	300	192	67	19
Engine No. 36.....	12	88	4	104	4	248.6	.....	7,700	165	610	39	25
Engine No. 37.....	..	15	7	22	..	26.9	128	3,500	60	3	24	09
Engine No. 38.....	..	39	1	40	..	112.4	.....	.....	20	671	16	41
Engine No. 39.....	..	18	7	25	..	120.	.....	4,150	40	185	28	39
Engine No. 40.....	3	7	7	17	4	.....	109	1,650	.....	.....	10	54
Truck No. 1.....	155	132	3	290	12	547.2	1119	.....	3,205	233	96	13
Truck No. 2.....	66	80	..	146	9	165.3	.....	.....	2,369	6	41	59
Truck No. 5.....	8	7	..	15	5	30.8	.....	.....	360	.....	4	41
Truck No. 6.....	103	61	3	167	17	216.4	175	.....	2,754	17	93	06
Truck No. 7	91	165	1	287	20	461.2	.....	.....	4,545	47	86	38
Truck No. 8.....	59	75	1	135	13	370.	.....	.....	2,115	91	52	03
Truck No. 9.....	..	65	2	67	2	278.	.....	.....	268	15	23	58
Hose No. 1.....	75	150	3	228	22	720.5.	.....	15,050	190	911	124	17
Hose No. 2.....	..	22	3	25	2	54.4	.....	100	.....	60	5	..
Hose No. 4.....	66	108	3	177	10	501.3	.....	19,150	250	200	104	23
Squad	147	83	2	232	21	336.	.....	200	.....	.....	63	..
Fire Boat .....	..	16	6	22	1	41.85	.....	4,500	92	164	24	08
Water Tower	4	..	..	4	..	.....	28	.....	.....	.....	..	..
TOTAL	9,063.3	12,826	418,043	25,394	15,837	2,626	38

CONSTRUCTION OF BUILDINGS AND EXTENT OF FIRES

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	1-Story Frame	2-Story Frame	3-Story Frame	4-Story Frame	1-Story Brick	2-Story Brick	3-Story Brick	4-Story Brick	5-Story Brick	6 to 12-Story Brick	Concrete	Total Buildings Other Than Fires in Buildings	One Building or Origin	Extended to 1 Building	Extended to 2 Buildings	Extended to 3 Buildings	Extended to 4 Buildings	Extended to 5 Buildings	Extended to 6 to 8 Buildings	Total
July	32	29	5	1	6	4	3	1	1	1	3	135	217	127	6	1	1			352
August	69	11	1	8	9	1	2	2	2	1	3	107	100	96	7	2	2			207
September	37	26	4	10	4	3	3	2	2	2	2	91	105	85	2	3	1			196
October	49	29	1	1	9	5	7	2	2	1	4	110	98	104	4	1		1		208
November	96	36	6	4	8	13	4	7	8	2	5	174	126	163	5	6				300
December	65	43	3	4	7	6	8	7	7	5	6	154	52	146	6	1	1			206
January	71	36	4	2	11	6	7	7	7	2	10	156	63	147	7	1	1			219
February	34	19	3	1	11	4	7	2	1	3	3	88	87	86	1	1				175
March	72	40	9	10	8	4	3	3	1	1	3	150	84	144	4	2				234
April	65	29	5	4	12	6	3	3	2	2	2	126	121	116	7	1	1			247
May	80	35	4	2	10	7	2	4	5	5	5	149	337	140	6	1	2			486
June	71	29	3	6	7	6	6	6	4	4	4	132	372	125	5	1	1			504
Total	791	362	48	10	91	82	68	46	8	16	50	1572	1762	1476	60	19	10	3	1	3334

Other than fires in buildings—brush, bonfires, etc. 1572
 Number of wooden buildings 1211
 Number of brick buildings 361
 Total 1572
 Other than fires in buildings 1762
 Total 3334

Number of fires confined to one building 1476
 Number of fires spreading to other buildings 96
 Total 1572

HARBOR DISTRICT
SAN PEDRO, WILMINGTON AND TERMINAL ISLAND

Month	Box	Tel.	Still	Total	False	Gals.	Apparatus Used to Extinguish Fires		Buildings	Summary of Losses	
							Used	Laid		Contents	Total
							Feet	Feet	\$	\$	
July	3	23	1	27	..	63	1050	10	410.00	65.00	475.00
August	..	3	..	3	..	..	..	10	5.00	30.00	35.00
September	2	7	..	9	1	240	750	40	5150.00	3,175.00	8,325.00
October	..	6	..	6	1	60	700	30	1,525.00	325.00	1,850.00
November	..	8	..	8	..	9	..	1685	635.00	270.00	905.00
December	..	6	..	6	..	..	400	..	975.00	1,075.00	2,050.00
January	..	9	3	12	..	338	1490	85	1,125.00	107,175.00	108,300.00
February	2	8	2	12	2	40	1850	30	100.00	960.00	1,060.00
March	3	4	2	9	1	95	2100	44	150.00	300.00	450.00
April	..	8	..	8	1	60	200	..	950.00	700.00	1,650.00
May	4	33	..	37	..	92	1550	30	300.00	..	300.00
June	2	30	2	34	3	..	2300	20	5,375.00	1,150.00	6,525.00
Total	16	145	10	171	9	997	12,390	1984	\$16,700.00	\$115,225.00	\$131,925.00

CASUALTY TO PERSONS AT FIRES

Date	Men	Injured		Extent		Cause
		Men	Women	Slight	Fatal	
July 30.....Glendenning Hotel, Terminal Island.....	1	..	..	..	1	Suffocation
Aug. 3.....646 S. New Hampshire.....	1	1	..	2	..	Incendiary
Aug. 7.....743 Santee St.	3	..	..	3	..	Ammonia fumes
Aug. 24.....1617 Brooklyn Ave.....	1	..	..	1	..	Electricity
Sept. 22.....671 E. 49th St.....	1	..	..	1	..	Electricity
Oct. 7.....5463 Fourth Ave.....	..	1	..	..	1	Carelessness heater
Oct. 25.....764 Santee St.....	..	..	1	1	..	Gasoline explosion
Nov. 1.....1147 Santee St.....	..	2	..	2	..	Open gas heater
Nov. 2.....123 S. 14th St. (Sawtelle)....	1	..	..	1	..	Defective flue
Nov. 19.....716 Ramoula	1	..	..	1	..	Accident
Nov. 28.....3147 Winter St.....	..	1	..	1	..	Carelessness with gasoline
Dec. 26.....2009 Raymond	1	..	..	1	..	Accident
1920						
Jan. 12.....4480 Sunset Blvd.....	1	..	..	1	..	Electricity
Jan. 14.....Fishing Boat, San Pedro.....	1	..	..	1	..	Back fire
Feb. 3.....220 Market St.....	2	..	..	2	..	Carelessness with gas tank
Mar. 1.....904 W. 36th Place.....	..	1	..	..	1	Suffocation
Mar. 28.....1314 W. Pico St.....	1	..	..	1	..	Carelessness with gasoline
May 26.....141 S. Griffin Ave.....	..	1	..	1	..	Carelessness with gas stove
June 2.....Mesa Drive and W. Adams... ..	1	..	..	1	..	Carelessness with gasoline
June 18.....Mitchell and Gillette Sts.....	1	1	..	Carelessness with rubbish fire
Total	17	7	1	22	3	

RETIRED MEMBERS

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Name	Rank	Appointed	Retirement
Albert E. Allison.....	Fireman	Sept. 23, 1914....	Dec. 9, 1918
Francis A. Alvarez.....	Captain	Sept. 20, 1901....	Oct. 4, 1910
Charlie Axtell.....	Fireman	Dec. 10, 1908....	Jan. 28, 1918
Arthur Bilderrain	Fireman	July 1, 1900....	May 12, 1913
Geo. W. Bright.....	Lieutenant	Oct. 13, 1897....	April 16, 1917
David W. Brown.....	Engineer	May 1, 1889....	July 27, 1917
Martin Bruflat.....	Captain	Aug. 1, 1897....	April 30, 1920
E. L. Beeson.....	Fireman	Nov. 1, 1909....	Sept. 1, 1919
Albert E. Church.....	Captain	Sept. 1, 1904....	Dec. 1, 1914
Archie J. Eley.....	Chief Engineer...	May 1, 1892....	July 1, 1919
Wm. J. Gardner.....	Captain	Jan. 1, 1889....	April 9, 1909
Winston E. Gould.....	Lieutenant	Sept. 27, 1910....	July 3, 1917
Geo. H. Heady.....	Fireman	May 29, 1895....	Aug. 24, 1917
James Harris.....	Fireman	April 14, 1910....	Nov. 21, 1918
Frank Leiva.....	Lieutenant	Sept. 15, 1889....	April 13, 1916
John M. Magnone.....	Engineer	Jan. 1, 1903....	Jan. 3, 1916
Geo. R. Morse.....	Fireman	May 1, 1898....	Sept. 19, 1919
Geo. H. O'Donnell.....	Asst. Chief Eng...	Oct. 1, 1890....	Nov. 17, 1919
E. E. Rhoads.....	Fireman	Mar. 30, 1906....	Aug. 8, 1919
Clarence Rogers.....	Fireman	Feb. 3, 1893....	July 3, 1915
Robert C. Ragland.....	Fireman	Aug. 19, 1912....	July 1, 1918
E. M. Smith.....	Lieutenant	Sept. 1, 1900....	April 1, 1909
Andrew J. Springer.....	Lieutenant	Aug. 1, 1889....	Oct. 3, 1916
William Sauer.....	Auto Fireman...	Jan. 21, 1914....	July 27, 1917
John Strohm	Lieutenant	Feb. 8, 1893....	Sept. 21, 1917
Benj. W. Trowbridge.....	Lieutenant	Sept. 1, 1893....	Feb. 1, 1914
Thomas F. Welch.....	Auto Fireman...	Jan. 5, 1911....	Jan. 3, 1916

WIDOWS ON PENSION LIST

- Mrs. Mary R. Buckingham, widow Engineer H. E. Buckingham.
- Mrs. Elsie E. Dunn, widow Fireman Geo. P. Dunn.
- Mrs. Daisy B. Grotzinger, widow Captain Chas. E. Grotzinger.
- Mrs. Ella B. Home, widow Captain T. S. Home.
- Mrs. Lucy J. Howard, widow Fireman Wm. W. Howard.
- Mrs. Helen Johnson, widow Captain J. C. Johnson.
- Mrs. Rose McNamara, widow Fireman Thos. McNamara.
- Mrs. Elizabeth Ritters, widow Fireman Roman W. Ritters.

MINOR

Evelyn May Fitch, daughter Fireman W. O. Fitch.

CLASS

Auditorium	1	Meat Markets	3
Awning	3	Machine Shops	12
Auto Trucks	23	Office Buildings	47
Auto Supplies	4	Oil Stations	9
Autos	127	Oil Refineries	4
Apartments	6	Power Plants	5
Bridges	19	Planing Mills	7
Bakeries	5	Printing	9
Barns and Sheds.....	142	Public Markets	3
Boiler Rooms	6	Palm Trees	17
Canneries	2	Paint Shops	13
Chicken Coops	4	Rooming Houses.....	49
Churches	7	Restaurants	32
Clothing Stores	3	Store Rooms	85
Dwellings	786	Street Cars	22
Electric Poles.....	12	Shoe Stores	5
Dye Works	8	Sump Holes	4
Flats	51	Schools	12
Furniture	2	Tailor Shops	2
Feed and Fuel.....	2	Tar Kettles	3
Flour Mill.....	1	Warehouses	8
Film Exchange	1	Wholesale Houses.....	1
Factories	27	Jewelry	2
Fences	19	Junk	6
Garages	101	Candy Shops	4
Hardware	1	Police Stations.....	1
Hotels	57	Livery Stables.....	2
Hospitals	4	Theatres	1
Iron Works	2	Box Cars	1
Groceries	20	Pool Rooms	2
Lumber Yards.....	11	Repair Shops	2
Laundries	10	Banks	3
Movie Studios.....	8	Barber Shops	2
Motorcycles	3	Hay Stacks	1

CAUSE OF ALARMS

Accidents	11	Explosions, Gasoline	4
Awnings	16	False Alarms	299
Grass and Rubbish	1054	Fireworks	20
Back Fires	28	Films	3
Carelessness with Gasoline ...	18	Fumigating	3
Carelessness with Matches ...	23	Gasoline Leaking.....	5
Carelessness with Gas Burners	8	Ignition of Grease.....	19
Carelessness with Lamps	6	Instantaneous Heaters	2
Carelessness with Electricity .	6	Incendiary (Supposed)	26
Carelessness with Candles ...	5	Leaky Gas Pipes.....	10
Carelessness with Oil Stoves .	10	Overheated Stoves	19
Children with Matches.....	60	Overheated Furnaces	14
Chimney Fires	58	Overheated Motors	12
Cigarettes	64	Overheated Gas Stoves	28
Cigars	17	Overheated Oil Stoves	9
Distillate Overflow	51	Oil in Street.....	12
Defective Flues	91	Rekindle	17
Defective Oil Burners.....	10	Sparks from Locomotive.....	60
Defective Fireplaces	13	Sparks from Chimney.....	173
Defective Gas Heaters	47	Smoking	17
Defective Gas Engines	3	Sparks from Stove.....	15
Defective Gas Vent Pipes.....	22	Spontaneous Combustion	85
Defective Ammonia Pipes.....	7	Sump Holes	17
Defective Wiring	152	Smoke Scare	178
Electric Irons	35	Tar Kettles	10
Explosions	9	Fuse Boxes	4
Explosions, Coal Oil Lamps...	6	Short Circuits	30
Explosions, Gasoline Stoves...	7	Leaky Carburetors	3
Explosions, Gas	20	Unknown	383
		Total	3334

ALARMS PER MONTH

Month	Actual Fires	False Alarms	Total Alarms
July	330	22	352
August	189	18	207
September	169	27	196
October	173	35	208
November	265	35	300
December	189	17	206
January	197	22	219
February	139	36	175
March	206	28	234
April	224	23	247
May	466	20	486
June	488	16	504
Total	3035	299	3334

MANNER IN WHICH ALARMS WERE RECEIVED

Month	Tel. and Boxes	Tel.	Still	2nd Alarm	3rd Alarm	4th Alarm	Aux. Boxes	M.F.D.	A.D.T.	Police	Total
July	60	233	25	1	1	..	..	..	4	2	352
August	36	141	9	1	..	..	..	..	3	2	207
September	29	140	8	1	2	1	..	1	3	..	196
October	53	128	9	1	..	..	..	2	2	3	208
November	56	197	20	2	..	..	..	1	8	3	300
December	48	125	15	1	..	..	..	1	5	1	206
January	36	146	10	2	1	..	..	..	5	2	219
February	27	92	27	..	..	..	1	..	8	1	175
March	37	150	12	..	..	..	..	2	8	2	234
April	25	153	24	2	..	..	..	2	5	5	247
May	47	370	4	2	..	..	..	..	3	4	486
June	65	388	1	1	..	..	..	..	4	2	504
Total	519	2263	214	16	7	1	1	9	58	27	3334

NUMBER OF ALARMS FOR EACH HOUR IN THE DAY

A. M.	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June Total
12 to 1.....	6	6	4	10	5	5	2	8	3	2	10	8
1 to 2.....	2	..	9	3	10	7	4	4	8	5	4	7
2 to 3.....	7	7	7	3	7	..	3	2	4	2	3	4
3 to 4.....	6	2	8	1	6	1	3	1	3	2	..	2
4 to 5.....	..	3	3	5	3	2	1	1	2	5	2	2
5 to 6.....	1	2	5	..	9	2	1	2	3	2	2	1
6 to 7.....	6	..	1	6	1	6	5	2	4	3	..	..
7 to 8.....	..	3	6	1	4	8	3	4	4	6	7	6
8 to 9.....	10	9	2	9	11	8	12	9	10	14	13	24
9 to 10.....	9	8	8	9	8	13	14	5	12	7	15	23
10 to 11.....	26	13	6	12	18	12	14	10	23	26	41	29
11 to 12.....	24	18	12	14	15	14	7	7	18	16	52	37
P. M.												
12 to 1.....	30	14	15	5	16	10	14	9	25	15	61	56
1 to 2.....	37	13	14	15	27	8	8	7	17	20	43	45
2 to 3.....	35	20	18	14	17	6	11	9	15	28	36	42
3 to 4.....	27	21	17	8	14	12	14	7	11	17	27	42
4 to 5.....	22	17	10	13	17	9	13	11	8	14	41	36
5 to 6.....	24	11	6	7	25	17	13	12	8	8	16	35
6 to 7.....	24	7	9	13	26	16	12	8	9	15	14	16
7 to 8.....	9	6	6	18	14	14	18	17	19	12	26	28
8 to 9.....	12	13	14	20	17	8	17	11	10	10	25	26
9 to 10.....	20	9	8	10	13	11	19	15	8	10	18	11
10 to 11.....	6	5	4	8	10	13	7	8	8	3	11	11
11 to 12.....	9	..	4	4	7	4	5	6	2	5	19	13
Total	207	196	208	300	206	219	175	234	247	486	504	3334

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SUMMARY OF LOSSES

	Buildings	Contents	Total
July	\$ 31,220.00	\$ 49,095.00	\$ 80,315.00
August	21,765.00	16,660.00	38,425.00
September	148,675.00	409,360.00	558,035.00
October	39,445.00	5,590.00	45,035.00
November	29,560.00	52,655.00	82,215.00
December	38,475.00	61,085.00	99,560.00
January	139,920.00	36,490.00	176,410.00
February	10,225.00	7,835.00	18,060.00
March	52,050.00	66,075.00	118,125.00
April	21,835.00	14,380.00	36,215.00
May	38,112.00	75,370.00	113,480.00
June	38,440.00	64,975.00	102,915.00
Total	\$ 609,722.00	\$ 859,570.00	\$ 1,468,792.00

CLASSIFICATION OF LOSSES AS TO AMOUNT

Losses	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Tot.
Not exceeding													
None	250	133	110	103	176	110	119	94	128	155	376	420	2174
\$ 10.00	8	10	6	1	12	18	11	3	8	13	17	8	115
25.00	19	11	8	19	21	16	18	7	20	11	15	12	177
50.00	4	8	8	10	10	9	12	7	4	8	14	13	107
100.00	16	7	12	15	13	6	13	10	6	7	9	11	125
250.00	7	8	5	8	8	9	11	5	6	8	10	9	94
500.00	15	6	8	9	9	10	5	4	12	9	11	8	106
1,000.00	5	4	2	1	9	5	2	4	16	3	1	2	54
2,000.00	1	1	4	4	3	..	4	2	2	5	4	2	32
3,000.00	..	..	..	1	..	2	..	3	..	2	5	1	14
4,000.00	1	..	2	..	..	2	..	..	2	..	..	..	7
7,000.00	1	..	1	..	1	1	1	..	..	..	1	..	6
10,000.00	1	..	..	..	1	..	..	..	..	1	1	1	5
20,000.00	1	..	..	1	2	..	..	..	1	1	1	..	7
30,000.00	1	1	..	1	..	..	..	..	..	..	1	..	4
45,000.00	..	..	..	..	..	..	..	..	1	..	..	..	1
75,000.00	..	..	..	..	..	1	..	..	..	1	..	1	3
150,000.00	..	..	1	..	..	..	1	..	..	..	..	..	2
190,000.00	..	..	2	..	..	..	..	..	..	..	..	..	2
Total	330	189	169	173	265	189	197	139	206	224	466	488	3035

HOW FIRES WERE EXTINGUISHED

	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Tot.
Water	92	51	42	30	57	41	28	24	37	55	71	86	614
Chemical	46	37	31	33	55	52	44	30	52	45	51	56	532
Water and Chemical	9	6	13	18	17	10	13	10	8	10	5	7	126
Pyrene	3	7	4	7	8	7	6	8	5	7	5	5	72
Garden Hose	36	19	26	25	38	28	23	21	25	35	55	53	384
Buckets of Water	24	11	12	17	23	20	22	26	26	36	16	16	249
By Occu- pants	20	14	12	10	17	18	16	5	15	11	7	19	164
Wet Sacks	78	34	19	18	16	..	..	1	6	16	229	220	636
Smothered and Burned Out	22	10	10	15	35	13	45	14	32	9	27	26	258
Total	330	189	169	173	265	189	197	139	206	224	466	488	3035

**COMPARISON OF LOSSES AND ALARMS WITH FORMER
YEARS**

Year	Alarms	Losses	Year	Alarms	Losses
1888.....	183	\$ 300,000	1905.....	760	\$ 616,630
1889.....	156	81,000	1906.....	1165	682,735
1890.....	165	73,350	1907.....	1074	631,942
1891.....	171	149,550	1908.....	877	442,335
1892.....	168	101,180	1909 (7 mo.)	429	405,485
1893.....	157	64,150	1910.....	1163	375,985
1894.....	224	104,992	1911.....	1349	1,386,992
1895.....	151	54,914	1912.....	1681	807,384
1896.....	238	203,801	1913.....	2060	984,330
1897.....	241	134,470	1914.....	2595	1,267,855
1898.....	342	299,225	1915.....	2723	773,035
1899.....	355	423,730	1916.....	2552	969,989
1900.....	416	159,422	1917.....	2429	745,999
1901.....	368	151,190	1918.....	2172	595,023
1902.....	554	440,420	1919.....	3072	796,358
1903.....	571	180,173	1920.....	3334	1,468,792
1904.....	818	527,545			

IN MEMORIAM

HARRY M. ROCHE, Fireman
 Engine Co. No. 20
 Appointed November 16, 1917
 Died November 10, 1919

F. B. WILLITS, Fireman
 Appointed July 1, 1897
 Retired January 1, 1907
 Died April 6, 1920.

THOMAS McNAMARA, Fireman
 Engine Co. No. 21
 Appointed March 1, 1909
 Died April 19, 1920.

The following is a summary of the work performed by the Bureau of Fire Prevention of the Fire Department during the past fiscal year :

Inspections

Buildings—Class A, B, C and D.....	76,401
Lots	62,576
Tanks, underground	521
Tanks, portable	287
Tank wagons	97
Tanks, gravity	21
Gas and gasoline engines	11
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Total Inspections	139,914
Theatres and Moving Pictures	10,151
School Buildings, Public and Private.....	746
Auto Filling Stations	657
Public Garages	594
Miscellaneous	413
Private Garages	101
Steam Boilers	101
Film Exchanges, Vaults and Repair Rooms.....	76
Churches, Assembly Halls, etc.....	69
Public Filling Stations	66
Hospitals	42
Established Places of Business	38
Clothes Cleaning Establishments	34
Transfer of License	34
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Violations of Ordinances found.....	50,011
Violations of Ordinances corrected.....	19,933
“Fight the Fire Fiend” distributed.....	16,000
Permits issued to burn off vacant lots.....	318

APPLICATIONS FOR LICENSE AND PERMITS

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	Approved	Disapproved	Total
Storage Tanks, underground.....	494	51	545
Storage Tanks, portable.....	88	15	103
Storage Tanks, gravity	30	12	42
Filling Stations, public	276	6	282
Filling Stations, Automobile.....	97	5	102
Garages, public	95	13	108
Garages, private	41	3	44
Sponging and Spotting Establishments	365	106	471
Steam Boilers	99	13	112
Hay Storage	16	1	17
Gas and Distillate Engines.....	14	5	19
Miscellaneous	25	5	30
Total	1640	235	1875

Violation of Ordinances Corrected

Ashes (metal cans installed).....	9
Automatic Sprinklers (installed or repaired).....	3
Automatic Sprinklers (obstructions removed).....	17
Automatic Fire Doors (installed or repaired).....	22
Automatic Safety Cans installed.....	479
Awnings removed and protected	22
Barb Wire Violations removed.....	44
Boiler Rooms made standard.....	59
Boiler Rooms repaired, cleaned of rubbish, etc.....	54
Buildings, frame (over 60 per cent destroyed), removed.....	46
Burning Rubbish in Fire District No. 1 discontinued.....	283
Buildings, vacant, locked and made secure.....	231
Chimneys, defective, repaired and rebuilt.....	82
Discontinue burning in street and alley.....	185
Discontinue burning after hours.....	109
Doors rehung to swing outward.....	6
Doors found locked and ordered opened.....	129
Dry grass removed from lots.....	1,077
Electric wiring repaired and removed.....	375
Exit lights installed	11
Exit obstructions removed	57
Exit doors provided	6
Exit and fire escape signs installed.....	296
Fire escape obstructions removed	282
Fire escapes repaired or painted (rusty).....	31
Fire doors repaired or replaced.....	40
Fire extinguishers recharged	53
Fire extinguishers installed	354