

142—NE cor Valencia and Twentieth
 143—NE cor Mission and Twenty-second
 145—NW cor Folsom and Twenty-second
 146—SW cor Folsom and Sixteenth
 147—NE cor Howard and Twentieth
 148—NW cor Mission and Sixteenth
 149—SW cor Folsom and Eighteenth
 152—SW cor Brannan and Eighth
 153—NW cor Harrison and Seventh
 154—NW cor Bryant and Sixth
 156—NE cor Fourth and Berry
 157—S side Folsom, east of Fourth
 158—S side Folsom, east of Fifth
 159—Engine No. 6, Sixth nr Folsom
 162—SE cor Pacific and Franklin
 163—SE cor Sacramento and Franklin
 164—SE cor Clay and Polk
 172—NE cor McAllister and Buchanan
 173—NW cor Ellis and Buchanan
 174—NE cor Turk and Fillmore
 213—NE cor Bush and Buchanan
 214—NE cor Bush and Steiner
 215—cor Washington and Webster
 216—cor Sacramento and Fillmore
 231—NE cor Howard and Twenty-fourth
 234—NW cor Harrison and Twenty-fourth

Directions for Key-holders.—Upon the discovery of a fire near your signal-box, turn the crank slowly and steadily about twenty-five or thirty times. Then wait a few moments, and if you hear no ticking in the box, or alarm on the large bells, turn as before. If you still hear no alarm, go to the next box and give the alarm from that. Never open the box or touch the crank except in case of fire. Never signal for a fire seen at a distance. Do not give an alarm for a burning chimney. Be sure your box is locked before leaving it. Upon a second alarm being struck for the same fire, it will be considered a general alarm. Second alarms will be turned in only by order of the Chief Engineer or his Assistants.

Keys of the signal boxes are deposited in the vicinity of each box, at such places as are indicated upon cards placed thereon.

Boxes designated with a star are Automatic ones. An alarm from these is given by pulling down the hook once and letting go, querring mechanism doing the rest.

Complaints concerning the working of the Fire Alarm Telegraph, irregular striking of the bells and gongs, broken wires, etc., should in all cases be made at the Fire Alarm office, Brenham Place.

In case of tumult or riot, whereby the services of the Police force are required, an alarm will be given consisting of ten strokes upon the bells and gongs repeated five times, which will be a signal for the Police to assemble at the City Hall. This alarm will be given only by order of the Mayor or Chief of Police.

The telegraphic apparatus consist of about one hundred miles of wire, divided into ten circuits, of which five are signal circuits, or circuits running to the signal-boxes; alarm gongs, located in the different engine, hook and ladder, and hose houses, each connected with the central office by the five alarm circuits; and seven alarm bells for striking the number of the alarm box, located as follows: One on the Hall of the Exempt Fire Co., one on the engine house on Sixth Street, one on the engine house on Stockton Street, one on the engine house on Second Street, one on the engine house on Sutter Street, one on the engine house on Sixteenth Street, and one on the engine house on Pacific Street. The bells and gongs are each struck at the same time by electrical machinery. The police apparatus consists of eleven stations, each communicating with the central office, Brenham Place, where a constant watchfulness is exercised by the attending operator.

Fire Department.*

The Paid Fire Department of the City and County of San Francisco was organized December 3d, 1866. The present force consists of one hundred and eighty-four officers and men, (exclusive of the Board of Engineers, the Clerk of the Board, and five employees at the Corporation Yard,) nine steamers, to each of which is attached a hose reel, five hose carriages, and two hook and ladder trucks. Each steamer, and hook and ladder truck is drawn by two horses, and the hose carriages by one each. Number of horses in the department thirty-six. Amount of hose in use, eighteen thousand five hundred feet, of which twelve thousand three hundred feet are in good working condition, including five thousand feet of new carbolized hose. Number of hydrants, eight hundred and sixty-six; number of cisterns, sixty-two; total capacity, two million five hundred and three thousand six hundred and ninety-seven gallons.

Annual Expenses.—Salaries, \$114,660; hose, pipe, etc., \$7,558; running expenses, \$37,578; office rent and stationery, \$1,264; cisterns and hydrants, \$22,851. Total, \$183,914.

Officers.—Benjamin H. Freeman, President; Martin Bulger, Samuel Rainey, Jr., John Rosenfeld, and Erastus N. Torrey, Commissioners; John P. Shine, Clerk; David Seannell, Chief Engineer; Cornelius Mooney and Matthew Brady, Assistant Engineers; Thomas O'Neil, Superintendent of Steamers; William Free, Assistant Superintendent; Thomas Sawyer, Corporation Yard Keeper; Charles Lyons, Drayman; John McCarthy and Thomas Clary, Hydrant Men; E. C. Croker, Veterinary Surgeon.

Fire Marshal, appointed by the Board of Fire Underwriters, John L. Durkee.

Steamer No. 1.—Located on the south side of Jackson, between Montgomery and Kearny streets. Engine, Amoskeag, first-class; size of cylinders, (two) seven and a half inches each; length of stroke, twelve inches; capacity, six hundred gallons per minute. Weight, eight thousand pounds. Cost, \$6,250 in currency.

Members.—James Riley, Foreman; John Riley, Engineman; E. D. Ensign, Driver; John Day, Fireman; O. F. Baker, William Lodge, James D. Butler, John McPeak, Bernard Murtha, Michael Bird, Charles Kimball and Arthur Lynch, Extrimen.

Steamer No. 2.—Located on the north side of Bush, between Kearny and Dupont streets. Engine, Amoskeag, second class; cylinders, six and a half inches; length of stroke, ten inches; capacity, four hundred gallons per minute; weight, six thousand pounds; cost, \$5,950 in currency.

Members.—Jeremiah J. Kelly, Foreman; Ira H. Chapman, Engineman; Benjamin Voorbees, Driver; J. P. Wyckoff, Fireman; Thomas Sands, John Willis, James Giles, John Gallagher, William Morgan, Samuel Davis, Frederick Roberts and George W. Post, Extrimen.

Steamer No. 3.—Located on the south side of Sutter, between Jones and Leavenworth streets. Engine, Amoskeag, second-class; cylinder, eight and a half inches; length of stroke, twelve inches; capacity, four hundred gallons per minute; weight, six thousand pounds; cost \$5,950 in currency.

Members.—P. A. O'Brien, Foreman; James Stoddard, Engineman; Edward O'Neil, Driver; Thomas R. Harris, Fireman; Edward Cain, Thomas J. Shields, William Crimmins, George E. Luther, James Lynch, Thomas Doughs, Alexander Hertz and John B. Taylor, Jr., Extrimen.

*For Act of the Legislature organizing a Paid Fire Department for San Francisco, see page 804.

ATNA INSURANCE COMPANY, OF HARTFORD, lost over \$3,000,000 in the CHICAGO FIRE, and paid in full, Dollar for Dollar.