

14 hook and ladder companies are each equipped with a truck drawn by 2 horses.

3 hook and ladder companies are each equipped with a truck drawn by 2 horses, and a chemical engine drawn by 1 horse.

1 company is equipped with a truck drawn by 2 horses, a chemical engine drawn by 2 horses and a tender drawn by 1 horse.

On a series of trials made to ascertain the time it would take to collect the men, hitch the horses to the different appliances above enumerated and to get everything ready for a start to a fire, it was found that the average time for the whole department was 7.25 seconds, the quickest being 2.20, and the slowest 15.33 seconds.

Time to collect force.

"The water tower or portable stand pipe is an appliance for elevating and directing streams of water into upper stories of high buildings. It consists of carriage and platform, with 4 sections of iron pipe, with couplings, play pipes, 6 nozzles from 1½ inch to 2½ inches diameter, and four 2½ inch inlets to receive the water. The first or lower section of the pipe is mounted on the platform permanently on trunnions, the other 3 sections are carried on a side rack." The first section is 14 ft. 6 inches in length, the second 12 feet, the third 19 feet and the fourth 5 feet 3 inches. These sections have not necessarily to be coupled together in the order here given.

Water Tower

On the first alarm of fire being given 5 companies turn out with 3 steam fire engines, ladders, and other appliances. On the second alarm 4 more engines and 2 hook and ladder companies respond. At the third alarm 4 additional engine companies are called out.

Attendance at Fires.

The captains of companies are required to familiarize themselves with all buildings in their company districts, and to make regular and periodical examinations of all churches, hotels, factories, warehouses, theatres, stores and all other buildings used for purposes of business, instruction or amusement, and to keep in their quarters written descriptions and drawings of all such buildings. They are also required to report all dangerous places where fire works or kerosene oils are sold without permission. They are empowered "at any time to enter into and examine all buildings, livery and other stables, hay boats or vessels and places where any merchandise, gunpowder, hemp, flax, tow, hay, rushes, fire wood, boards, shingles, shavings or other combustible materials may be lodged," in order to see that the municipal laws are rigidly enforced for the protection of the public against the risks of fire.

Duties of Commanding Officers.