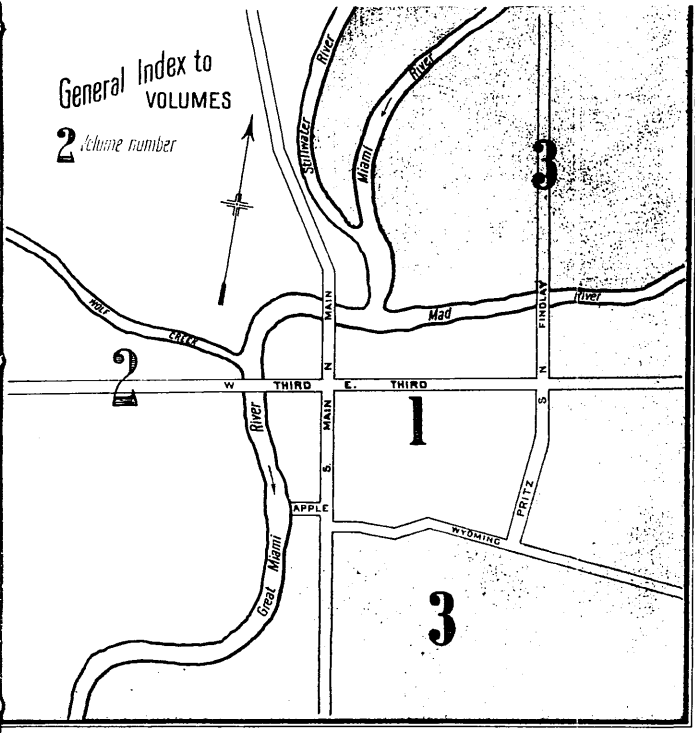


General Index to
VOLUMES
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KEY

The post construction follows a code of general block construction.

Block numbering with back of metal cornice.

Frame masonry

Stone buildings

Fire wall 6 inches above roof

Figures 8 to 24 indicate thickness of wall in inches

Wall without opening and fire in inches

Windows protected by single iron shutters

Windows protected by iron shutters

Window opening in first story

Windows second and third stories

Windows with wired glass

Windows 12" x 24" with iron shutters, 36" x 48" with tin clad shutters and 36" x 60" with wired glass

Stable

Hostways

Elevators

Frame masonry elevator

with traps

self closing traps

traps

self closing traps

wired glass door

Steam boilers

Open Chimneys

Engine and horse power in figures

Water pipes and size in inches

Hydrants

Vertical pipe or stand pipe

with fire escape

Force pump

Elevation

Block number

Automatic fire alarm

Independent electric plant

Under sheet number refers to correspond any sheet of previous edition.

Reference to adjoining sheet.

Fire engine house as shown on key map.

72 +

Population, 160,000.
Prevailing Winds - North East.

WATER FACILITIES:

fully system of water works (Direct pressure) installed in 1869 with 42 1/2 miles of water pipes, most of which have been replaced and with yearly additions makes a present total of 238 1/2 miles. 4" to 30" diam. 2,710 double and triple hydrants, 1,910 of which have steamer connections. Domestic pressure 60 lbs. Fire pressure 100 lbs.

Average daily consumption 14 million gallons.

Reservoir of 10,000,000 galls. capacity located two miles S. E. of Third and Main Sts. bottom of which is 43 ft. above same locality, maintains a pressure of 70 lbs. in the congested district. High pressure stand pipe two miles N. W. of it, and 232 ft. above Third and Main Sts. capacity 800,000 galls. gives pressure of 150 lbs.

Water supply from 24 8" driven wells. 75 fire cisterns, capacity from 10,000 galls. to 50,000 galls. each. Water can also be taken from river, canal and hydraulic, which pass through the city.

One fully horizontal duplex, cross compound, double acting plunger pumping eng. (30 x 54 x 32 x 40) capacity 15 million galls. per 24 hours.

One fully horizontal duplex, cross compound, double acting plunger pumping eng. (24 x 36 x 27 x 36) capacity 10 million galls. per 24 hours.

One fully vertical triple expansion single acting pumping engine (24 x 36 x 36 x 34) capacity 10 million galls. per 24 hours.

One 100-hp. vertical horizontal cross compound, double acting pumping engine (18 x 38 x 34 x 50) capacity 4 million galls. per 24 hours.

DeLaval steam turbine reduction gear driven pump, capacity 20 million galls. per 24 hours. Steam and operates 3320 revolutions per min., reduced to 830 rev./min. on water end.

FIRE DEPARTMENT

16 fire stations, one chief and 173 men.

Six triple combination motor driven pumps, capacity 1000 galls. each, with 50 gal. chemical tank 1000 ft. 2 1/2" cotton, rubber lined hose, and 200 ft. 1" rubber hose on each. Six junior triple combination motor driven pumps, capacity 225 galls. per min. each, with 90 gal. chemical, 1000 ft. 2 1/2" cotton hose and 200 ft. 1" rubber hose on each.

Four combination motor driven chemical and hose with 40 gal. chemical tank, 1000 ft. 2 1/2" cotton, rubber lined hose and 200 ft. 1" rubber hose on each.

One double extra American-La France motor driven pumper capacity 1100 galls. per min.

One Continental-Pierces Seventh class

One Fibre's

One American-La France

Cue

One double extra steam fire engine (trailer) 1100

Two motor driven service trucks, one held in reserve. Two motor driven supply trucks two 3 1/2 self raising aerial trucks two 300 lbs. motor driven utility trucks. Five Overland and one Borg officers. Cars One 65 self raising aerial truck & 35 gal. chemical. One 65 Hall water tower. 32000 ft. 2 1/2" cotton, rubber lined hose in good condition. 3200 ft. 1" rubber hose.

Game-well fire alarm system, 292 boxes.

Grades - practically level

250 miles of streets, about 100 miles paved and 70 miles graveled and oiled

Public lights electric.

Corrected

