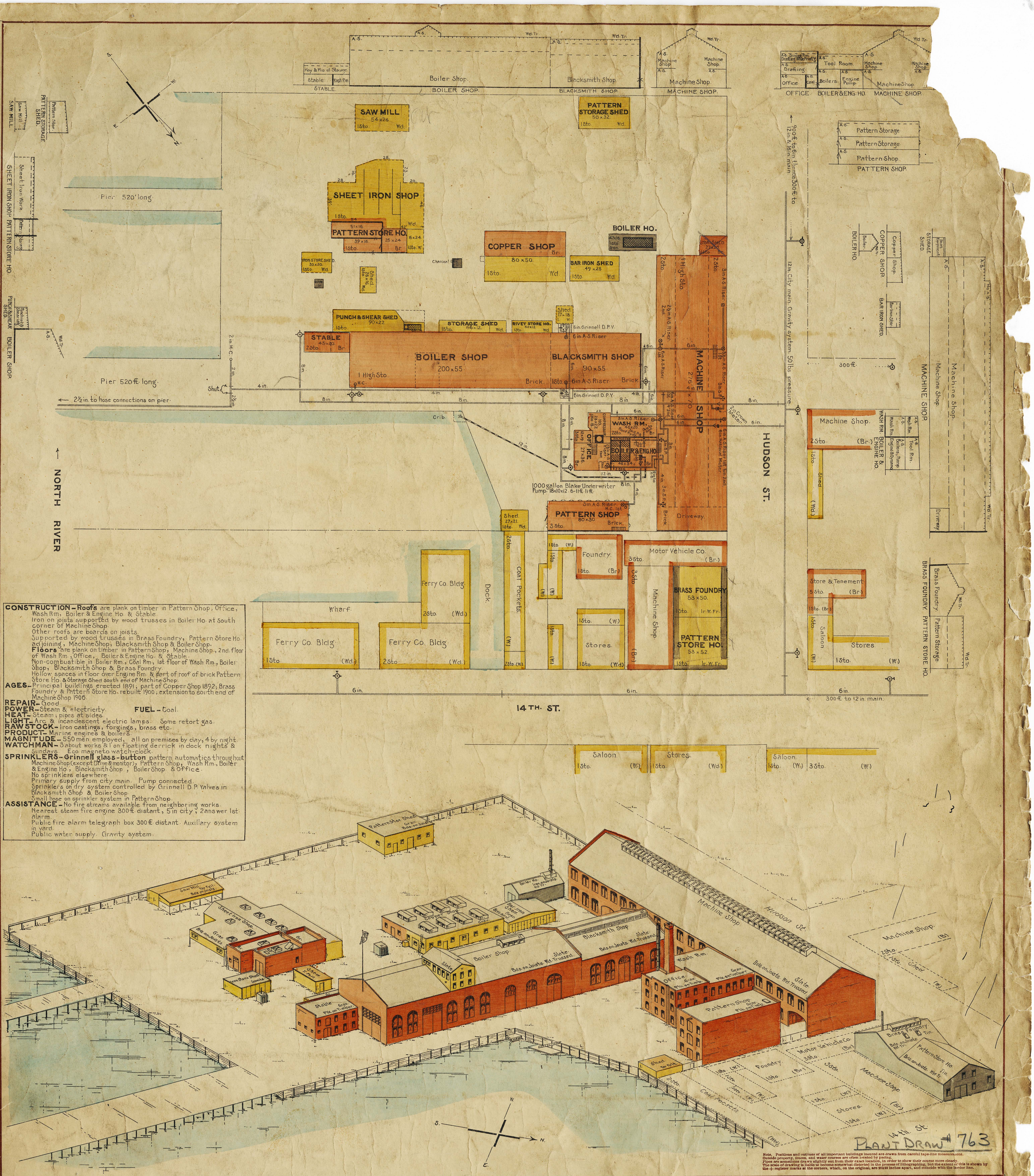


CONSTRUCTION—**Roofs** are plank on timber in Pattern Shop, Office, Wash Rm., Boiler & Engine Ho. & Stable.
Iron on joists supported by wood trusses in Boiler Ho. at South corner of Machine Shop.
Other roofs are boards on joists.
Supported by wood trusses in Brass Foundry, Pattern Store Ho. adjoining, Machine Shop, Blacksmith Shop & Boiler Shop.
Floors are plank on timber in Pattern Shop, Machine Shop., 2nd. floor of Wash Rm., Office, Boiler & Engine Ho. & Stable.
Non-combustible in Boiler Rm., Coal Rm., 1st. floor of Wash Rm., Boiler Shop, Blacksmith Shop & Brass Foundry.
Hollow spaces in floor over Engine Rm. & part of roof of brick Pattern Store Ho. & Storage Shed south end of Machine Shop.
AGES—Principal buildings erected 1891; part of Copper Shop 1892; Brass Foundry & Pattern Store Ho. rebuilt 1900; extension to south end of Machine Shop 1906.
REPAIR—Good.
POWER—Steam & electricity. **FUEL**—Coal.
HEAT—Steam; pipes at sides.
LIGHT—Arc & incandescent electric lamps. Some retort gas.
RAW STOCK—Iron castings, forgings, brass etc.
PRODUCT—Marine engines & boilers.
MAGNITUDE—550 men employed, all on premises by day, 4 by night.
WATCHMAN—3 about works & 1 on floating derrick in dock nights & Sundays. Eco magneto watch-clock.
SPRINKLERS—**Grinnell glass-button** pattern automatics throughout Machine Shop (except Drive & monitor), Pattern Shop, Wash Rm., Boiler & Engine Ho., Blacksmith Shop; Boiler Shop & Office.
No sprinklers elsewhere.
Primary supply from city main. Pump connected.
Sprinklers on dry system controlled by Grinnell D. P. Valves in Blacksmith Shop & Boiler Shop.
Small hose on sprinkler system in Pattern Shop.
ASSISTANCE—No fire streams available from neighboring works.
Nearest steam fire engine 300 ft. distant, 5 in city; 2 answer 1st. alarm.
Public fire alarm telegraph box 300 ft. distant. Auxillary system in yard.
Public water supply. Gravity system.

PLANT DRAW # 763

Note. Positions and outlines of all important buildings insured are drawn from careful tape-line measurement. Outside property, fences, and water courses are often located by pacing. Pipes are sometimes drawn slightly out from their exact location, in order to show their course more clearly. The scale of drawing is liable to become somewhat distorted in the process of lithographing, but the extent of this is shown by the + register marks at the corners, which, on the original, are 20x23 inches apart, and coincide with the border line.

Materials of which walls of building are constructed are shown by colors:
Brick = Red. Wood = Yellow.
Stone or Iron = Grey.

Property not belonging to company insured has only margin colored.

Initial Letters in lower right-hand corner of plan indicate building material to the colorer, thus:

Brick. or B. denotes Brick Walls, etc.

Roof Cov ing is marked in similar place on the view; large roof reas having construction of roof marked thus. Gravel. Plank on Timber. Slate. Boards on Joists. Tin.

In Views, Roofs are colored grey if covered with material not easily ignited, as tin, slate, and gravelled tar;

Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards;

re Proof" cornice shown by dotted line inside roof n on view.

◎ Standard Frost-Proof Hydrant.
○ "Dry" or Non-Frost-Proof Hydrant.
Number of "Horns" shows number of Hose outlets.
Independent Gates on 4-way standard Hydrant
Hose Valves on outlets.
Hose House over Hydrant.
Fire Engine connection.
Hose Connections on Pipes.
FIRE PUMP.
Hose connections on pump.
(S. P.) Stand Pipe for Fire Hose.
(A. S.) Automatic Sprinkler Riser.
Water Pipes, which if outside of building are understood to be buried below frost.
Proposed Water Pipes. (Or, full red line.)
Pump Suction or supply pipes.
Water gates in pipes.
Gates with good telltale.
Indicator Post on Gate.
Check valves. Apex shows direction of flow.
Pipes under buildings buried for protection against breakage.
Dry Pipe valve.

W. & A. FLETCHER CO.
"NORTH RIVER IRON WKS."
HOBOKEN LAND & IMPROVEMENT CO.
OWNERS OF BLDGS.
Hoboken, N. J.

Surveyed, April 23, 1907.
Scale of Plan & View, 1 in. = 50 ft.

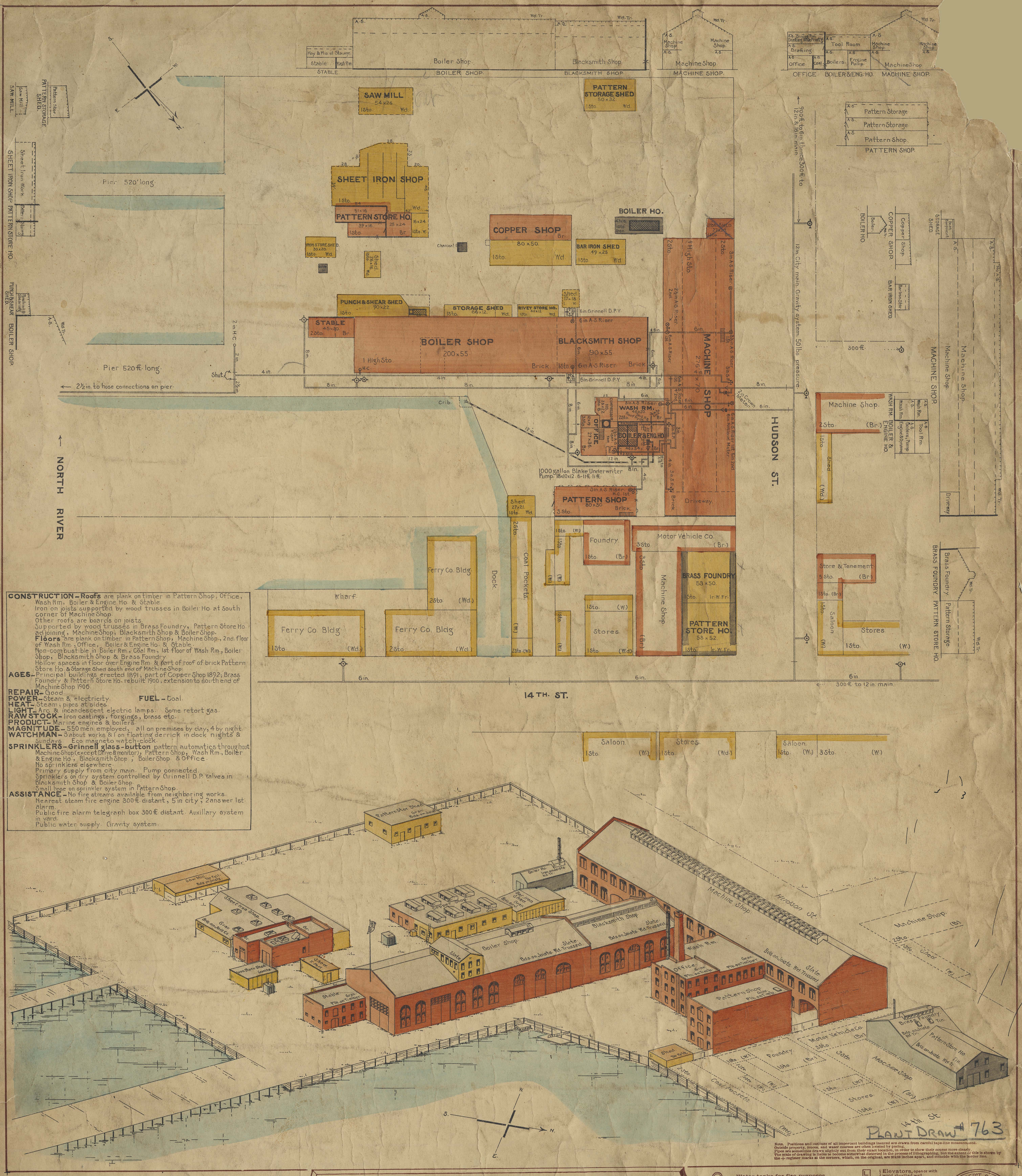
Surveyed & drawn by E. H. Tenney.
See N. B. 492. p. 18.

○ Water tanks for fire purposes.
Fire walls. If an outer wall, substantially blank.
Partitions or walls (not fire walls) and fences.
Walls or partitions not complete in all stories.
Outline of Platforms, Open Bridges and Awnings.
Property line or street line without fence.
Fire Shutters Not marked unless complete in all stories over point.
Unprotected Openings in partitions between rooms. in floors, as belt holes.
Double Fire Door
Single Fire Door
in all stories unless indicated by numbers. If in some stories doors are single and in others double, use single mark.
On Sections, A. S. Denotes Automatic Sprinklers throughout room, unless otherwise noted.
" P. S. Denotes Perforated Pipe Sprinklers, or other Non-Automatic Sprinklers.
" W. Tr. " Ir. Tr. Over upper right-hand corner, denotes wood and iron or steel trussed roof respectively.

Elevators, open or with wood sheathed well.
Elevators with automatic hatches.
Rope Hoist within building.
Stairways, open or wood sheathed.
Elevators or Stairs enclosed by fire walls.
(2-4) Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.) (Bmt.-3)
Fire Ladder to roof.
Steam Boilers.
Smoke Stack or Chimney.
Hollow Floor or Roof.
Joisted Floor or Roof.
Floors of brick arch, concrete, or other similar non-combustible construction.

PLAN DEP'T OF THE ASSOCIATED MUTUAL INSURANCE CO'S BOSTON, MASS.
SERIAL NUMBER.
7805
This replaces No. 5126

INDEX NUMBER.
70
N


Hay & Misc'el. Storage
Stable
Wash Rm.
Boiler Shop
Blacksmith Shop
STABLE.
BOILER SHOP.
BLACKSMITH SHOP.
Machine Shop.
MACHINE SHOP.
Drafting
Office
Coal
Boilers
Engine Pump
Tool Room
OFFICE. BOILER&ENG.HO. MACHINE SHOP.
Pattern Storage
PATTERN SHOP.
SAW MILL 54x26 1Sto. Wd.
PATTERN STORAGE SHED 50x32 1Sto. Wd.
SHEET IRON SHOP 1Sto. Wd.
PATTERN STORE HO. 51x16. 39x16. 25x24 Br. 16x24. 1Sto. W.
IRON STORE SHED. 30x20. 1Sto. Wd.
Shed. 26x16 1Sto. Wd.
Charcoal Bin
COPPER SHOP 80x50 Br. 1Sto. Wd.
BOILER HO. 47x16. 1Sto. Iron.
BAR IRON SHED 49x25 1Sto. Wd.
STOR. SHED 27x20 1Sto. Br.
PUNCH & SHEAR SHED 90x22 1Sto.
STORAGE SHED 66x12. 1Sto. Wd.
RIVET STORE HO. 40x12 1Sto. Wd.
Shed. 17x18. 1. W.
STABLE 45x20. 2Sto. Br.
BOILER SHOP 200x55 1 High Sto.
BLACKSMITH SHOP 90x55 1Sto. Brick.
6in. Grinnell D.P.V.
6in. A.S. Riser
MACHINE SHOP 276'4in. x 70
1 High Sto.
2Sto.
Pier 520' long
Pier 520ft. long
2½in. to hose connections on pier.
Crib.
12in.
8in.
6in.
4in.
COMPRESSOR HO. 23x22 1Sto. B.
WASH RM. 46x20. 2Sto. Br.
OFFICE 27x36. 3Sto. Br.
BOILER & ENG. HO. 46x34. 2Sto. Br.
2in. Crown Meter
6in. A.S. Riser 1st. 5in. 2nd. 6in. National Meter.
1000 gallon Blake Underwriter Pump. 18x10x12. 6-11ft. lift.
PATTERN SHOP 80x30 3Sto. Brick.
3in. A.S. Riser. H.C. 1st.
Shed. 27x21. 1Sto. Wd.
Driveway.
12in. City main Gravity system. 50lbs. pressure.
HUDSON ST.
NORTH RIVER
Dock
Coal Pockets.
Wharf
Ferry Co. Bldg. 1Sto. (Wd.)
Ferry Co. Bldg. 2Sto. (Wd.)
Foundry. 1Sto. (Br.)
Motor Vehicle Co. 3Sto. (Br.)
Machine Shop. 3Sto. (Br.)
BRASS FOUNDRY 53x50. 1Sto. Ir. W. Fr.
PATTERN STORE HO. 53x52. 1Sto. Ir. W. Fr.
Stores. 1Sto. (Wd.)
Machine Shop. 2Sto. (Br.)
Shed. 1Sto. (Wd.)
Store & Tenement 5Sto. (Br.)
Saloon 1Sto. (W.)
Stores 1Sto. (W.)
WASH RM. BOILER & ENGINE HO.
Boilers, Pump Engine & Dynamo
Tool Rm.
Machine Shop.
BRASS FOUNDRY. PATTERN STORE HO.
Brass Foundry. Pattern Storage.
COPPER SHOP.
BAR IRON SHED
BOILER HO.
STORAGE SHED.
SHEET IRON SHOP. PATTERN STORE HO.
Sheet Iron Work.
PATTERN STORAGE SHED.
SAW MILL.
PUNCH & SHEAR SHED.
BOILER SHOP.
300ft.
300ft. to 12in. main.
6in.
14TH. ST.
Saloon. 1Sto. (W.)
Stores. 1Sto. (Wd.)
Saloon. 3Sto. (W.)
S.
N.
E.
W.
Pattern Storage Shed
Saw Mill Tar Felt. Bds. on Joists.
Sheet Iron Shop
Boiler Ho.
Stable Gravel Plk. on Timber
Boiler Shop. Bds. on Joists. Wd. Trussed. Slate
Blacksmith Shop. Bds. on Joists. Wd. Trussed. Slate
Machine Shop. Bds. on Joists. Wd. Trussed. Slate
Hudson St.
Wash Rm.
Office
Pattern Shop
Foundry
Motor Vehicle Co.
Machine Shop
Brass Foundry Tin
Pattern Store Ho. Bds. on Joists. Wd. Trussed.
Coal Pockets
Stores
14th. St.

CONSTRUCTION–**Roofs** are plank on timber in Pattern Shop, Office, Wash Rm, Boiler & Engine Ho. & Stable.
Iron on joists supported by wood trusses in Boiler Ho. at South corner of Machine Shop.
Other roofs are boards on joists.
Supported by wood trusses in Brass Foundry, Pattern Store Ho. adjoining, Machine Shop, Blacksmith Shop & Boiler Shop.
Floors are plank on timber in Pattern Shop, Machine Shop., 2nd. floor of Wash Rm., Office, Boiler & Engine Ho. & Stable.
Non-combustible in Boiler Rm., Coal Rm., 1st. floor of Wash Rm., Boiler Shop, Blacksmith Shop & Brass Foundry.
Hollow spaces in floor over Engine Rm. & part of roof of brick Pattern Store Ho. & Storage Shed south end of Machine Shop.

AGES–Principal buildings erected 1891; part of Copper Shop 1892; Brass Foundry & Pattern Store Ho. rebuilt 1900; extension to south end of Machine Shop 1906.

REPAIR–Good.

POWER–Steam & electricity. **FUEL**–Coal.

HEAT–Steam; pipes at sides.

LIGHT–Arc & incandescent electric lamps. Some retort gas.

RAW STOCK–Iron castings, forgings, brass etc.

PRODUCT–Marine engines & boilers.

MAGNITUDE–550 men employed, all on premises by day, 4 by night.

WATCHMAN–3 about works & 1 on floating derrick in dock nights & Sundays. Eco magneto watch-clock.

SPRINKLERS–**Grinnell glass-button** pattern automatics throughout Machine Shop (except Drive & monitor), Pattern Shop, Wash Rm., Boiler & Engine Ho., Blacksmith Shop, Boiler Shop. & Office.
No sprinklers elsewhere.
Primary supply from city main. Pump connected.
Sprinklers on dry system controlled by Grinnell D.P. Valves in Blacksmith Shop & Boiler Shop.
Small hose on sprinkler system in Pattern Shop.

ASSISTANCE–No fire streams available from neighboring works.
Nearest steam fire engine 300ft. distant, 5 in city, 2 answer 1st. alarm.
Public fire alarm telegraph box 300ft. distant. Auxillary system in yard.
Public water supply. Gravity system.

PLANT DRAW # 763

Note. Positions and outlines of all important buildings insured are drawn from careful tape-line measurement. Outside property, fences, and water courses are often located by pacing. Pipes are sometimes drawn slightly out from their exact location, in order to show their course more clearly. The scale of drawing is liable to become somewhat distorted in the process of lithographing, but the extent of this is shown by the + register marks at the corners, which, on the original, are 20x23 inches apart, and coincide with the border line.

Materials of which walls of building are constructed are shown by colors:
Brick = Red. Wood = Yellow.
Stone or Iron = Grey.

Property not belonging to company insured has only margin colored.

Initial Letters in lower right-hand corner of plan indicate building material to the colorer, thus:

Brick. or B. denotes Brick Walls, etc.

Roof Covering is marked in similar place on the view; large roof areas having construction of roof marked thus: Gravel. Plank on Timber. Slate. Boards on Joists. Tin.

In Views, Roofs are colored grey if covered with material not easily ignited, as tin, slate, and gravelled tar;

Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards;

"Fire Proof" cornice shown by dotted line inside roof on view.

- Standard Frost-Proof Hydrant.
- "Dry" or Non-Frost-Proof Hydrant.
- Number of "Horns" shows number of Hose outlets.
- Independent Gates on 4-way standard Hydrant
- Hose Valves on outlets.
- Hose House over Hydrant.
- Fire Engine connection.
- Hose Connections on Pipes.
- FIRE PUMP.
- Hose connections on pump.
- (S. P.) Stand Pipe for Fire Hose.
- (A. S.) Automatic Sprinkler Riser.
- Water Pipes, which if outside of building are understood to be buried below frost.
- Proposed Water Pipes. (Or, full red line.)
- Pump Suction or supply pipes.
- Water gates in pipes.
- Gates with good telltale.
- Indicator Post on Gate.
- Check valves. Apex shows direction of flow.
- Pipes under buildings buried for protection against breakage.
- Dry Pipe valve.

W. & A. FLETCHER CO.
"NORTH RIVER IRON WKS."
HOBOKEN LAND & IMPROVEMENT CO.
OWNERS OF BLDGS.
Hoboken, N. J.

Surveyed, April 23, 1907. Scale of Plan & View, 1in. = 50ft.

Surveyed & drawn by E. H. Tenney.

See N.B. 492. p. 18

- Water tanks for fire purposes.
- Fire walls. If an outer wall, substantially blank.
- Partitions or walls (not fire walls) and fences.
- Walls or partitions not complete in all stories.
- Outline of Platforms, Open Bridges and Awnings.
- Property line or street line without fence.
- Fire Shutters: Not marked unless complete in all stories over point.
- Unprotected Openings: in partitions between rooms. in floors, as belt holes.
- Double Fire Door, Single Fire Door: in all stories unless indicated by numbers. If in some stories doors are single and in others double, use single mark.

On Sections, A. S. Denotes Automatic Sprinklers throughout room, unless otherwise noted.
" P. S. Denotes Perforated Pipe Sprinklers, or other Non-Automatic Sprinklers.
" W. Tr. / " Ir. Tr. Over upper right-hand corner, denotes wood and iron or steel trussed roof respectively.

- Elevators, open or with wood sheathed well.
- Elevators with automatic hatches.
- Rope Hoist within building.
- Stairways, open or wood sheathed.
- Elevators or Stairs enclosed by fire walls.
- (2-4) (Bmt.-3) Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.)
- Fire Ladder to roof.
- Steam Boilers.
- Smoke Stack or Chimney.
- Hollow Floor or Roof.
- Joisted Floor or Roof.
- Floors of brick arch, concrete, or other similar non-combustible construction.

SERIAL NUMBER. 7805
This replaces No. 5126

INDEX NUMBER.
70
N

W. & A. FLETCHER CO.

"NORTH RIVER IRON WKS."

HOBOKEN LAND & IMPROVEMENT CO.

OWNERS OF BLDGS.

Hoboken, N. J.

Surveyed, April 23, 1907.

Scale of Plan & View, 1 in. = 50 ft.

Surveyed & drawn by E. H. Tenney.

See N.B. 492. p. 18.

14th. St.

PLANT DRAW # 763

Note. Positions and outlines of all important buildings insured are drawn from careful tape-line measurement.
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◎ **Water tanks for fire purposes.**

━━━ **Fire walls.** If an outer wall, substantially blank.

──── Partitions or walls (not fire walls) and fences.

- - - - - Walls or partitions not complete in all stories.

········ Outline of Platforms, Open Bridges and Awnings.

—·—·—· **Property line** or street line without fence.

Fire Shutters { Not marked unless complete in all stories over point.

Unprotected Openings { in partitions between rooms. in floors, as belt holes.

Double Fire Door
1-3 **Single Fire Door** { in all stories unless indicated by numbers. If in some stories doors are single and in others double, use single mark.

On Sections, A. S. { Denotes Automatic Sprinklers throughout room, unless otherwise noted.

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" W. Tr. { Over upper right-hand corner, denotes wood
" Ir. Tr. { and iron or steel trussed roof respectively.

L **Elevators,** open or with wood sheathed well.

L **Elevators** with automatic hatches.

☒ **Rope Hoist** within building.

▥ **Stairways,** open or wood sheathed.

L ▥ Elevators or Stairs enclosed by fire walls.

(2-4) L
(Bmt.-3) { Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.)

Fire Ladder to roof.

▨ ⊗ **Steam Boilers.**

▣ **Smoke Stack or Chimney.**

Hollow Floor or Roof.

Joisted Floor or Roof.

{ Floors of brick arch, concrete, or other similar non-combustible construction.

PLAN DEP'T OF THE ASSOCIATED MUTUAL INSURANCE CO'S BOSTON, MASS.

SERIAL NUMBER.

7805

This replaces No. 5126

INDEX NUMBER.

70

N

Materials of which walls of building are constructed are shown by colors:
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In Views, Roofs are colored grey if covered with material not easily ignited, as tin, slate, and gravelled tar;

Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards;

re Proof" cornice shown by dotted line inside roof n on view.

◎ **Standard Frost-Proof Hydrant.**

○ **"Dry" or Non-Frost-Proof Hydrant.**

Number of "Horns" shows number of Hose outlets.

Independent Gates on 4-way standard Hydrant

Hose Valves on outlets.

Hose House over Hydrant.

Fire Engine connection.

Hose Connections on Pipes.

■ **FIRE PUMP.**

Hose connections on pump.

(S. P.) **Stand Pipe for Fire Hose.**

(A. S.) **Automatic Sprinkler Riser.**

Water Pipes, which if outside of building are understood to be **buried below frost.**

Proposed Water Pipes. (Or, full red line.)

Pump Suction or supply pipes.

Water gates in pipes.

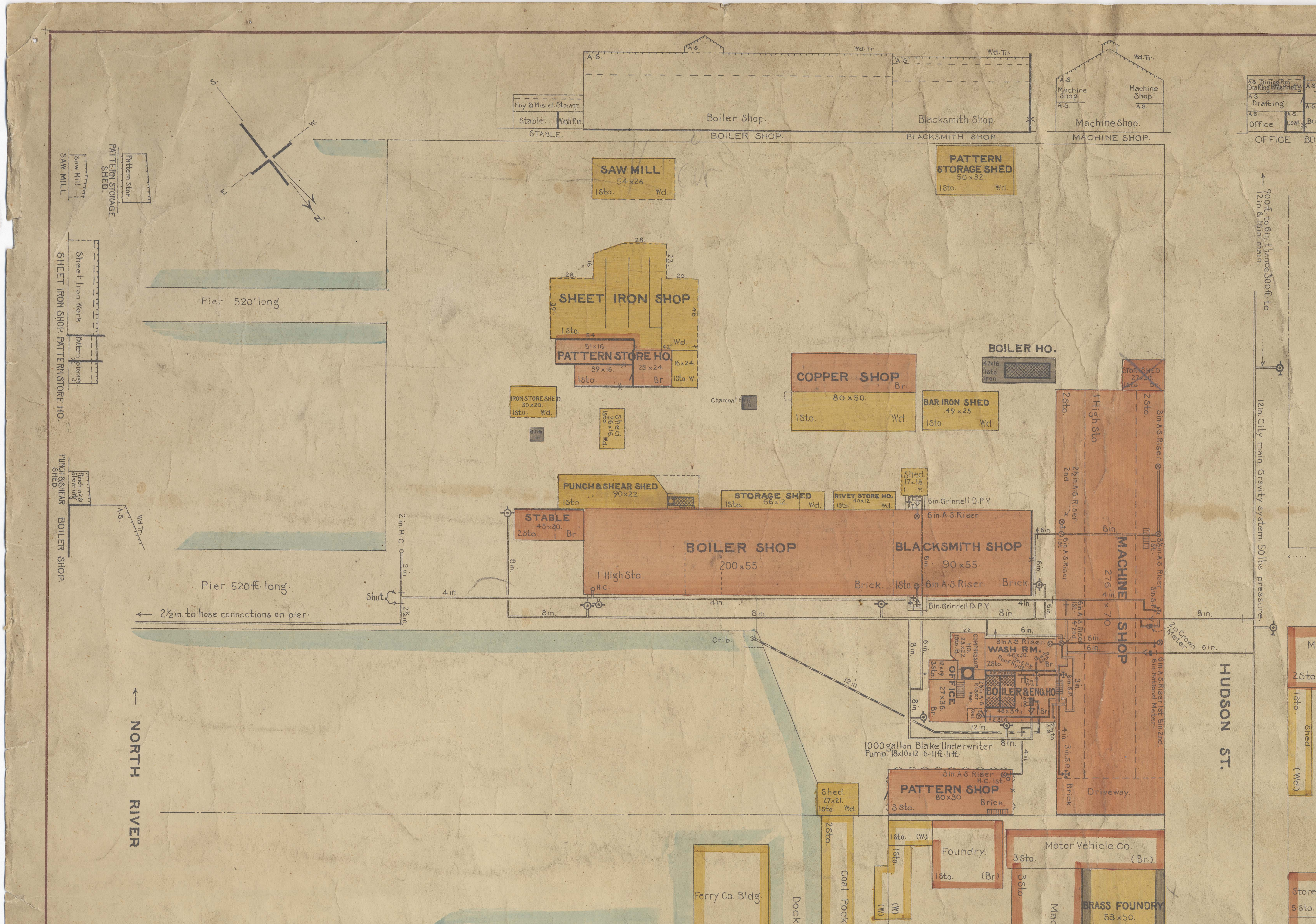
Gates with good telltale.

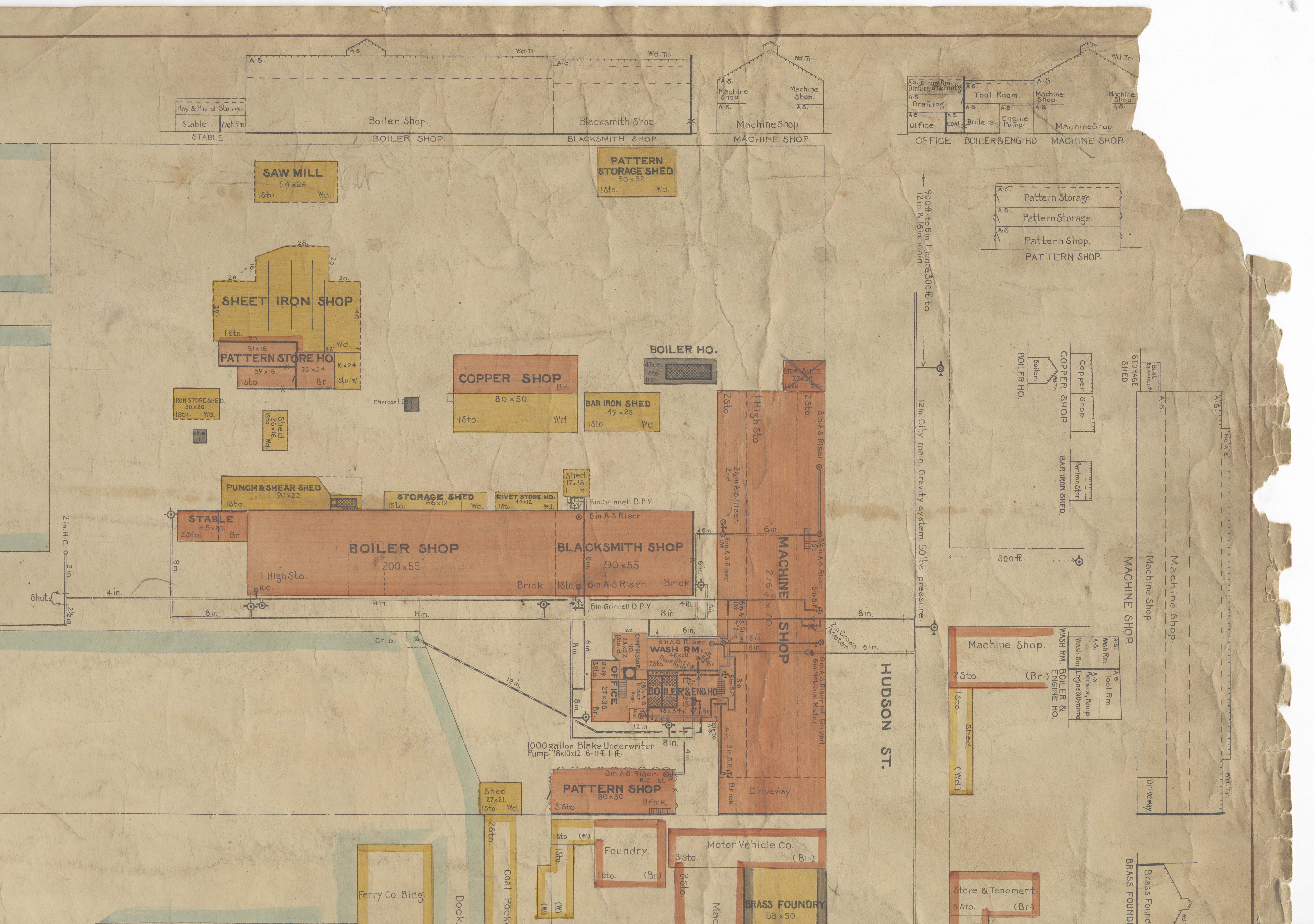
Indicator Post on Gate.

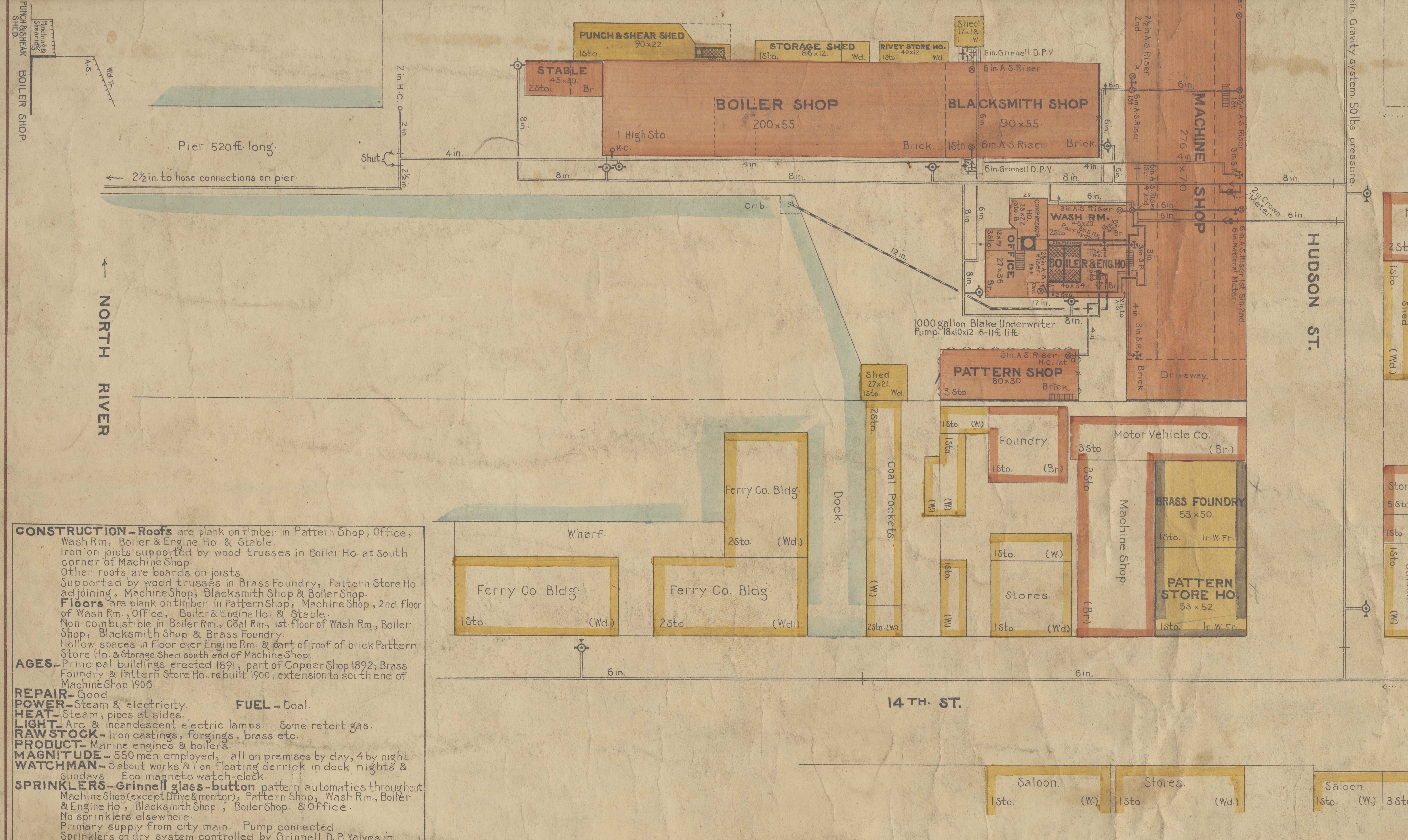
Check valves. Apex shows direction of flow.

Pipes under buildings buried for protection against breakage.

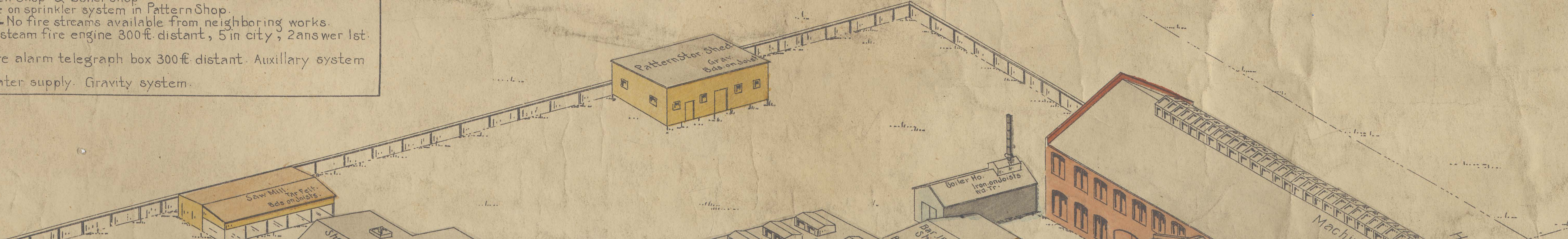
Dry Pipe valve.

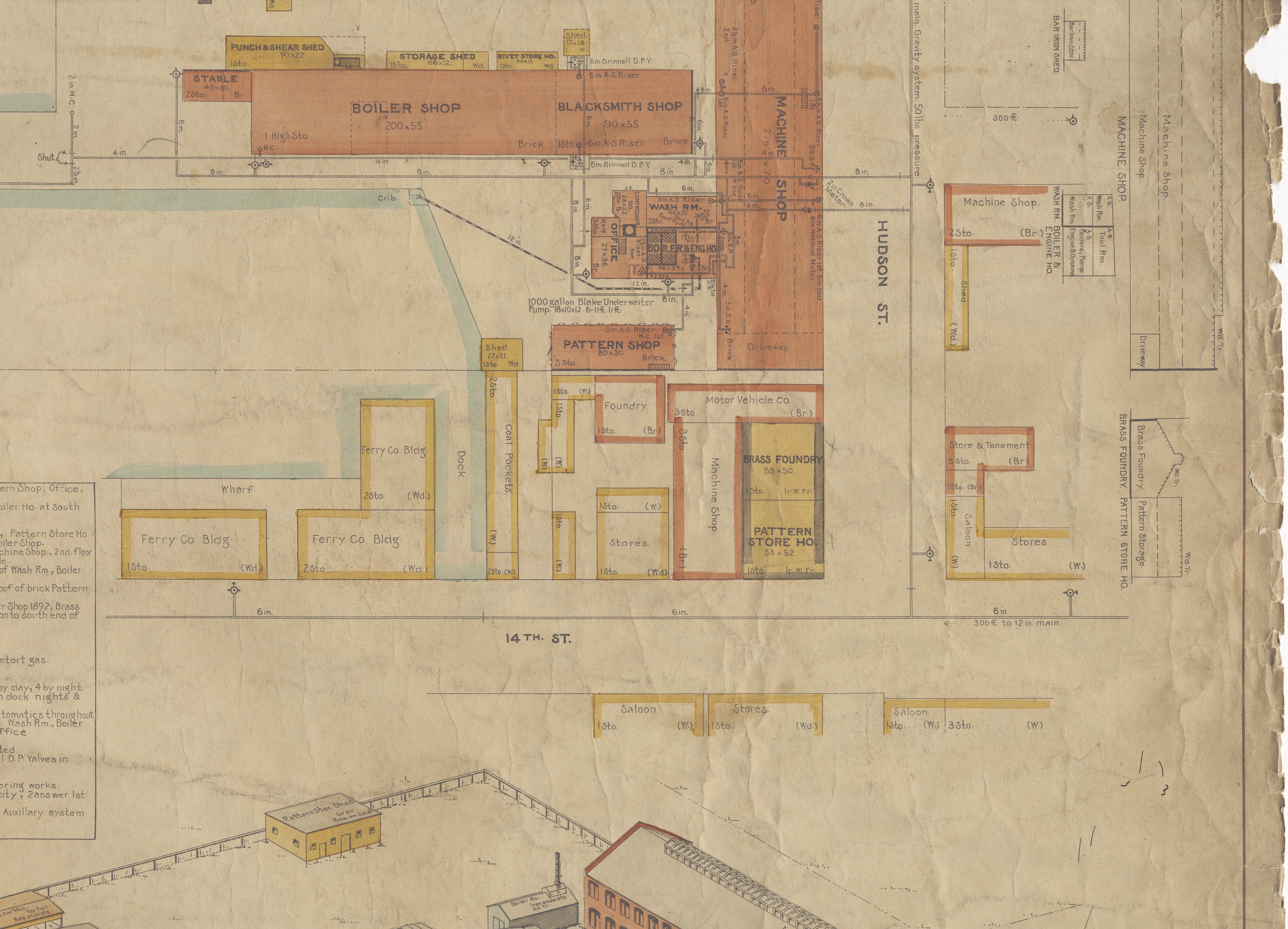

Hay & Misc'el. Storage
Stable
Wash Rm.
STABLE.
A.S.
Boiler Shop.
BOILER SHOP.
Wd. Tr.
Blacksmith Shop.
BLACKSMITH SHOP.
Machine Shop
Machine Shop.
MACHINE SHOP.
Dining Rm.
Drafting BluePrints
Drafting
Office
Coal
OFFICE
Pattern stor.
PATTERN STORAGE SHED.
Saw Mill
SAW MILL
Sheet Iron Work
Pattern Storage
SHEET IRON SHOP PATTERN STORE HO.
Punching & Shearing
PUNCH & SHEAR SHED.
BOILER SHOP.
S.
W.
E.
N.
SAW MILL
54×26
1Sto.
Wd.
PATTERN STORAGE SHED
50×32
SHEET IRON SHOP
Pier 520' long
PATTERN STORE HO.
51×16
39×16
25×24
16×24
IRON STORE SHED.
30×20.
Shed.
26×16
BOILER HO.
47×16.
Charcoal Bin
COPPER SHOP
80×50.
BAR IRON SHED
49×25
STORE SHED
27×20
PUNCH & SHEAR SHED
90×22
STORAGE SHED
66×12.
RIVET STORE HO.
40×12
Shed.
17×18
6in. Grinnell D.P.V.
6in. A.S. Riser
STABLE
45×20.
2Sto.
Br.
BOILER SHOP
200×55
1 High Sto.
BLACKSMITH SHOP
90×55
Brick.
MACHINE SHOP
276×70
1 High Sto.
2Sto.
3in. A.S. Riser
Pier 520ft. long
2½in. to hose connections on pier.
Shut
2in. H.C.
4in.
8in.
6in. Grinnell D.P.V.
Crib.
12in.
COMPRESSOR
WASH RM.
46×20
OFFICE
27×36.
BOILER & ENG. HO.
46×34
1000 gallon Blake Underwriter Pump. 18×10×12. 6-11ft. lift.
2in. Crown Meter
6in. A.S. Riser 1st. 5in. 2nd.
6in. National Meter.
Driveway.
900ft. to 6in. thence 300ft. to 12in. & 16in. main.
12in. City main. Gravity system. 50lbs. pressure.
HUDSON ST.
Shed.
27×21.
PATTERN SHOP
80×30
3 Sto.
Brick.
NORTH RIVER
Ferry Co. Bldg.
Dock
Coal Pock.
Foundry
Motor Vehicle Co.
BRASS FOUNDRY
53×50.
Store
5 Sto.


Hay & Misc. el. Storage
Stable
Wash Rm.
STABLE.
Boiler Shop
BOILER SHOP.
Blacksmith Shop
BLACKSMITH SHOP.
Wd. Tr.
A.S.
Machine Shop
MACHINE SHOP.
A.S. Dining Rm. Drafting Blue Print'g
Drafting
Office
Coal
Tool Room.
Boilers
Engine Pump.
OFFICE. BOILER & ENG. HO. MACHINE SHOP.
SAW MILL 54x26 1 Sto. Wd.
PATTERN STORAGE SHED 50x32 1 Sto. Wd.
900 ft. to 6 in. thence 300 ft. to 12 in. & 16 in. main.
Pattern Storage
Pattern Storage
Pattern Shop.
PATTERN SHOP.
SHEET IRON SHOP 1 Sto. Wd.
PATTERN STORE HO. 51x16 39x16 25x24 16x24 1 Sto. Br. 1 Sto. W.
IRON STORE SHED. 30x20. 1 Sto. Wd.
Shed 26x16 1 Sto. Wd.
Charcoal
COPPER SHOP Br. 80x50. 1 Sto. Wd.
BOILER HO. 47x16. 1 Sto. Iron.
BAR IRON SHED 49x25 1 Sto. Wd.
STOR. SHED 27x20. 1 Sto. Br.
BOILER HO.
COPPER SHOP.
Copper Shop.
STORAGE SHED.
Boat Equipment
BAR IRON SHED.
Bar Iron Stor.
PUNCH & SHEAR SHED 90x22 1 Sto.
STORAGE SHED 66x12. 1 Sto. Wd.
RIVET STORE HO. 40x12 1 Sto. Wd.
Shed. 17x18. 1. W.
6 in. Grinnell D.P.Y.
6 in. A.S. Riser
STABLE 45x20. 2 Sto. Br.
BOILER SHOP 200x55 1 High Sto. Brick.
BLACKSMITH SHOP 90x55 1 Sto. Brick.
6 in. A.S. Riser
6 in. Grinnell D.P.Y.
2 in. H.C.
Shut
4 in.
8 in.
MACHINE SHOP 276x70
2 Sto.
1 High Sto.
2 1/2 in. A.S. Riser 2nd.
3 in. A.S. Riser
6 in. A.S. Riser 1st.
2 in. Crown Meter
6 in. National Meter
12 in. City main. Gravity system. 50 lbs. pressure.
300 ft.
HUDSON ST.
Crib.
12 in.
COMPRESSOR HO. 23x22 1 Sto. B.
WASH RM. 46x20 2 Sto. Br.
OFFICE 27x36 3 Sto. Br.
BOILER & ENG. HO. 46x54 1 Sto. Br.
1000 gallon Blake Underwriter Pump. 18x10x12. 6-11 ft. lift.
PATTERN SHOP 80x30 3 Sto. Brick. 3 in. A.S. Riser H.C. 1st.
Shed. 27x21. 1 Sto. Wd.
Driveway.
Machine Shop. 2 Sto. (Br.)
Shed 1 Sto. (Wd.)
WASH RM. BOILER & ENGINE HO.
Boilers, Pump Engine & Dynamo
Tool Rm.
MACHINE SHOP.
Machine Shop.
Machine Shop.
Driveway
Ferry Co. Bldg.
Dock
Coal Pock
2 Sto.
Foundry. 1 Sto. (Br.)
1 Sto. (W.)
Motor Vehicle Co. 3 Sto. (Br.)
BRASS FOUNDRY 53x50.
Store & Tenement 5 Sto. (Br.)
BRASS FOUNDRY
Brass Found


PUNCH & SHEAR SHED
Punching & Shearing
BOILER SHOP
PUNCH & SHEAR SHED 90×22 1Sto.
STORAGE SHED 66×12. 1Sto. Wd.
RIVET STORE HO. 40×12 1Sto. Wd.
Shed 17×18 1. W.
STABLE 45×20. 2Sto. Br.
BOILER SHOP 200×55 1 High Sto.
BLACKSMITH SHOP 90×55 Brick. 1Sto.
6in. Grinnell D.P.V.
6in. A.S. Riser
MACHINE SHOP 276×70
Pier 520 ft. long
Shut
2 in. H.C.
← 2½ in. to hose connections on pier
Crib
12 in.
WASH RM. 46×20 2Sto.
COMPRESSOR HO.
OFFICE 27×36 3Sto. Br.
BOILER & ENG. HO. 46×54
1000 gallon Blake Underwriter Pump. 18×10×12. 6-11 ft. lift.
2 in. Crown Meter
HUDSON ST.
Main. Gravity system. 50 lbs pressure.
← NORTH RIVER
Shed 27×21. 1Sto. Wd.
PATTERN SHOP 80×30 3 Sto. Brick.
3in. A.S. Riser H.C. 1st.
Driveway.
Brick.
Dock.
Coal Pockets 2Sto. (W.)
Ferry Co. Bldg. 2Sto. (Wd.)
Wharf.
Ferry Co. Bldg 1Sto. (Wd.)
Ferry Co. Bldg 2Sto. (Wd.)
Foundry. 1Sto. (Br.)
Motor Vehicle Co. 3Sto. (Br.)
Machine Shop 3Sto. (Br.)
BRASS FOUNDRY 53×50. 1Sto. Ir. W. Fr.
PATTERN STORE HO. 53×52. 1Sto. Ir. W. Fr.
Stores. 1Sto. (Wd.)
6in.
14TH. ST.
Saloon. 1Sto. (W.)
Stores. 1Sto. (Wd.)
Saloon. 1Sto. (W.)

CONSTRUCTION-**Roofs** are plank on timber in Pattern Shop, Office, Wash Rm, Boiler & Engine Ho. & Stable.
Iron on joists supported by wood trusses in Boiler Ho. at South corner of Machine Shop.
Other roofs are boards on joists.
Supported by wood trusses in Brass Foundry, Pattern Store Ho. adjoining, Machine Shop, Blacksmith Shop & Boiler Shop.
Floors are plank on timber in Pattern Shop, Machine Shop, 2nd floor of Wash Rm., Office, Boiler & Engine Ho. & Stable.
Non-combustible in Boiler Rm., Coal Rm., 1st floor of Wash Rm., Boiler Shop, Blacksmith Shop & Brass Foundry.
Hollow spaces in floor over Engine Rm. & part of roof of brick Pattern Store Ho. & Storage Shed south end of Machine Shop.
AGES-Principal buildings erected 1891; part of Copper Shop 1892; Brass Foundry & Pattern Store Ho. rebuilt 1900; extension to south end of Machine Shop 1906.
REPAIR-Good.
POWER-Steam & electricity. **FUEL**-Coal.
HEAT-Steam; pipes at sides.
LIGHT-Arc & incandescent electric lamps. Some retort gas.
RAW STOCK-Iron castings, forgings, brass etc.
PRODUCT-Marine engines & boilers.
MAGNITUDE-550 men employed, all on premises by day, 4 by night.
WATCHMAN-3 about works & 1 on floating derrick in dock nights & Sundays. Eco magneto watch-clock.
SPRINKLERS-**Grinnell glass-button** pattern automatics throughout Machine Shop (except Drive & monitor), Pattern Shop, Wash Rm., Boiler & Engine Ho., Blacksmith Shop, Boiler Shop & Office.
No sprinklers elsewhere.
Primary supply from city main. Pump connected.
Sprinklers on dry system controlled by Grinnell D.P. Valves in Blacksmith Shop & Boiler Shop.
Small hose on sprinkler system in Pattern Shop.
ASSISTANCE-No fire streams available from neighboring works.
Nearest steam fire engine 300 ft. distant, 5 in city; 2 answer 1st alarm.
Public fire alarm telegraph box 300 ft. distant. Auxiliary system in yard.
Public water supply. Gravity system.


Pattern Stor. Shed Grav. Bds. on Joists
Saw Mill Tar Felt Bds. on Joists
Boiler Ho. Iron on Joists Wd. Tr.
Machi


PUNCH & SHEAR SHED 90×22 1Sto.
STORAGE SHED 66×12. 1Sto. Wd.
RIVET STORE HO. 40×12 1Sto. Wd.
Shed. 17×18 1. W.
6in. Grinnell D.P.Y.
6in. A.S. Riser
STABLE 45×20. 2Sto. Br.
BOILER SHOP 200×55 1 High Sto. Brick.
BLACKSMITH SHOP 90×55 1Sto. Brick
6in. A.S. Riser
6in. Grinnell D.P.Y.
2in. H.C.
Shut.
4in.
8in.
2½in.
Crib.
12in.
MACHINE SHOP 276×70
2½in. A.S. Riser 2nd.
6in. A.S. Riser 1st.
3½in. A.S. Riser
Driveway.
Brick
COMPRESSOR HO. 22×22 1Sto. B.
WASH RM. 46×20 2Sto.
OFFICE 27×36. 3Sto. Br.
BOILER & ENG. HO. 46×54
6in. A.S. Riser 1st. 5in. 2nd.
6in. National Meter
2in. Crown Meter
1000 gallon Blake Underwriter Pump. 18×10×12. 6-11ft. lift.
PATTERN SHOP 80×30 3 Sto. Brick.
3in. A.S. Riser H.C. 1st.
Shed. 27×21. 1Sto. Wd.
Coal Pockets. 2Sto. (W.)
Dock.
Wharf.
Ferry Co. Bldg 2Sto. (Wd.)
Ferry Co. Bldg 1Sto. (Wd.)
Ferry Co. Bldg 2Sto. (Wd.)
1Sto. (W.)
Foundry. 1Sto. (Br.)
Stores. 1Sto. (Wd.)
Motor Vehicle Co. 3Sto. (Br.)
Machine Shop. 3Sto. (Br.)
BRASS FOUNDRY 53×50. 1Sto. Ir.W.Fr.
PATTERN STORE HO. 53×52. 1Sto. Ir.W.Fr.
HUDSON ST.
main Gravity system. 50lbs pressure.
300ft.
BAR IRON SHED.
Bar Iron Stor.
MACHINE SHOP
Machine Shop
Machine Shop.
Driveway
Machine Shop. 2Sto. (Br.)
WASH RM. BOILER & ENGINE HO.
Wash Rm. A.S. Boilers, Pump Engine & Dynamo.
A.S. Wash Rm. A.S. Tool Rm.
Shed (Wd.) 1Sto.
Store & Tenement 5Sto. (Br.)
1Sto. (Br.)
Saloon 1Sto. (W.)
Stores 1Sto. (W.)
BRASS FOUNDRY PATTERN STORE HO.
Brass Foundry
Pattern Storage
Wd. Tr.
6in.
300ft. to 12in. main.
14TH. ST.
Saloon. 1Sto. (W.)
Stores. 1Sto. (Wd.)
Saloon. 1Sto. (W.) 3Sto. (W.)
Pattern Stor. Shed Grav. Bds. on Joists.
Boiler Ho. Iron on Joists Wd. Tr.
Saw Mill Tar Felt Bds. on Joists

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, Pattern Store Ho.
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Wash Rm., Boiler
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Auxillary system

LIGHT- Arc & incandescent electric lamps. Some retort gas.
RAW STOCK- Iron castings, forgings, brass etc.
PRODUCT- Marine engines & boilers.
MAGNITUDE- 550 men employed, all on premises by day, 4 by night.
WATCHMAN- 3 about works & 1 on floating derrick in dock nights & Sundays. Eco magneto watch-clock.
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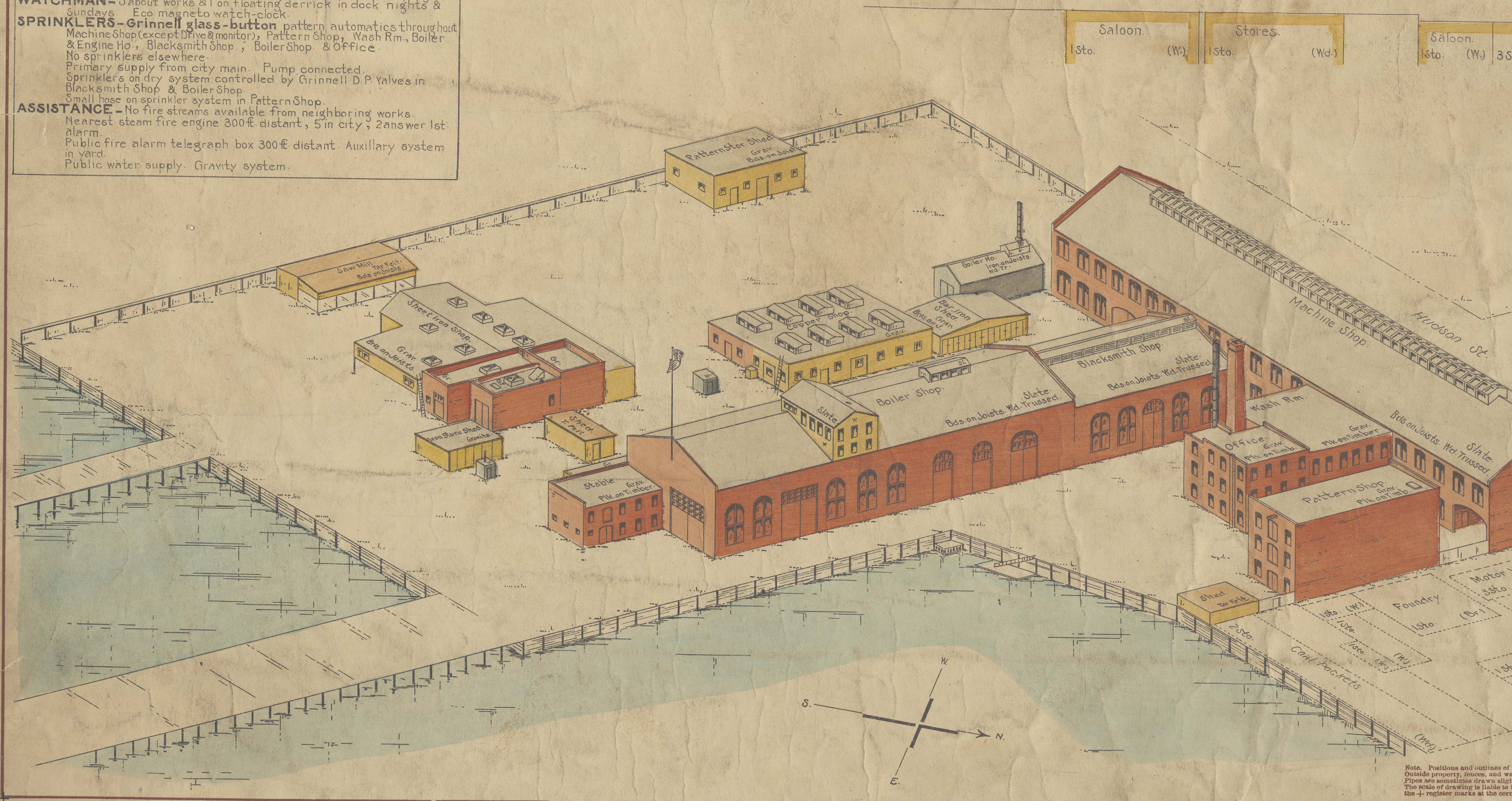
Saloon.
1 Sto. (W.)
Stores.
1 Sto. (Wd.)
Saloon.
1 sto. (W.)
3 S
Pattern Stor. Shed
Grav. Bds. on Joists
Saw Mill. Tar Felt. Bds. on Joists.
Sheet Iron Shop.
Grav. Bds. on Joists
Gr.
Gr.
Iron Store Shed Granite.
Shed T. Felt
Stable. Grav. Plk. on Timber.
Copper Shop. Grav.
Bar Iron Shed. Grav. Bds. on J.
Boiler Ho. Iron on Joists. Wd. Tr.
Boiler Shop. Slate. Bds. on Joists. Wd. Trussed.
Slate
Sl.
Blacksmith Shop. Slate. Bds. on Joists. Wd. Trussed.
Machine Shop.
Hudson St.
Wash Rm. Grav. Plk. on Timber.
Office. Grav. Plk. on Timb.
Pattern Shop. Grav. Plk. on Timb.
Bds. on Joists. Wd. Trussed. Slate.
Shed. Tar Felt.
Foundry.
1 Sto. (Br.)
1 Sto. (W.)
1 Sto.
1 Sto. (W.)
(W.)
2 Sto.
Coal Pockets.
Motor
3 Sto.
(Wd.)
W.
S.
N.
E.

Note. Positions and outlines of
Outside property, fences, and wa
Pipes are sometimes drawn sligh
The scale of drawing is liable to
the ┼ register marks at the corn

Materials of which walls of building are constructed are shown by colors:
Brick = Red. Wood = Yellow.
Stone or Iron = Grey.

Property not belonging to company insured has only margin colored.

Initial Letters in lower right-hand corner of plan indicate building material to the colorer, thus:

Brick. or B. denotes Brick Walls, etc.

Roof Covering is marked in similar place on the view; large roof areas having construction of roof marked thus. Gravel. Plank on Timber. Slate. Boards on Joists. Tin.

In Views, Roofs are colored grey if covered with material not easily ignited, as tin, slate, and gravelled tar;

Roofs are colored buff if covering material is easily ignited, as shingles, bare boards, or tarred felt on boards;

"Fire Proof" cornice shown by dotted line inside roof on view.

◉ **Standard Frost-Proof Hydrant.**
○ **"Dry" or Non-Frost-Proof Hydrant.**
Number of "Horns" shows number of Hose outlets.
Independent Gates on 4-way standard Hydrant
Hose Valves on outlets.
Hose House over Hydrant.
Fire Engine connection.
Hose Connections on Pipes.
FIRE PUMP.
Hose connections on pump.
(S. P.) **Stand Pipe for Fire Hose.**
(A. S.) **Automatic Sprinkler Riser.**
Water Pipes, which if outside of building are understood to be **buried below frost.**
Proposed Water Pipes. (Or, full red line.)
Pump Suction or supply pipes.
Water gates in pipes.
Gates with good telltale.
Indicator Post on Gate.
Check valves. Apex shows direction of flow.
Pipes under buildings buried for protection against breakage.
Dry Pipe valve.

W. & A. FLETCHER CO.
"NORTH RIVER IRON WKS."
HOBOKEN LAND & IMPROVEMENT CO.
OWNERS OF BLDGS.
Hoboken, N. J.

Surveyed, April 23, 1907.
Scale of Plan & View, 1 in. = 50 ft.

Surveyed & drawn by E. H. Tenney.
See N. B. 492. p. 18

◎ **Water tanks for fire purposes.**
Fire walls. If an outer wall, substantially bl
Partitions or walls (not fire walls) and fences.
Walls or partitions not complete in all stories.
Outline of Platforms, Open Bridges and Awnings
Property line or street line without fence.
Fire Shutters Not marked unless comple all stories over point.
Unprotected Openings in partitions between roo in floors, as belt holes.
Double Fire Door
Single Fire Door
in all stories unless cated by numbers. If in some stories doo single and in double, use single

On Sections, A. S. Denotes Automatic Sprinklers throu room, unless otherwise noted.
" P. S. Denotes Perforated Pipe Sprinklers, or Non-Automatic Sprinklers.
" W. Tr.
" Ir. Tr. Over upper right-hand corner, denotes and iron or steel trussed roof respect

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Wash Rm., Boiler
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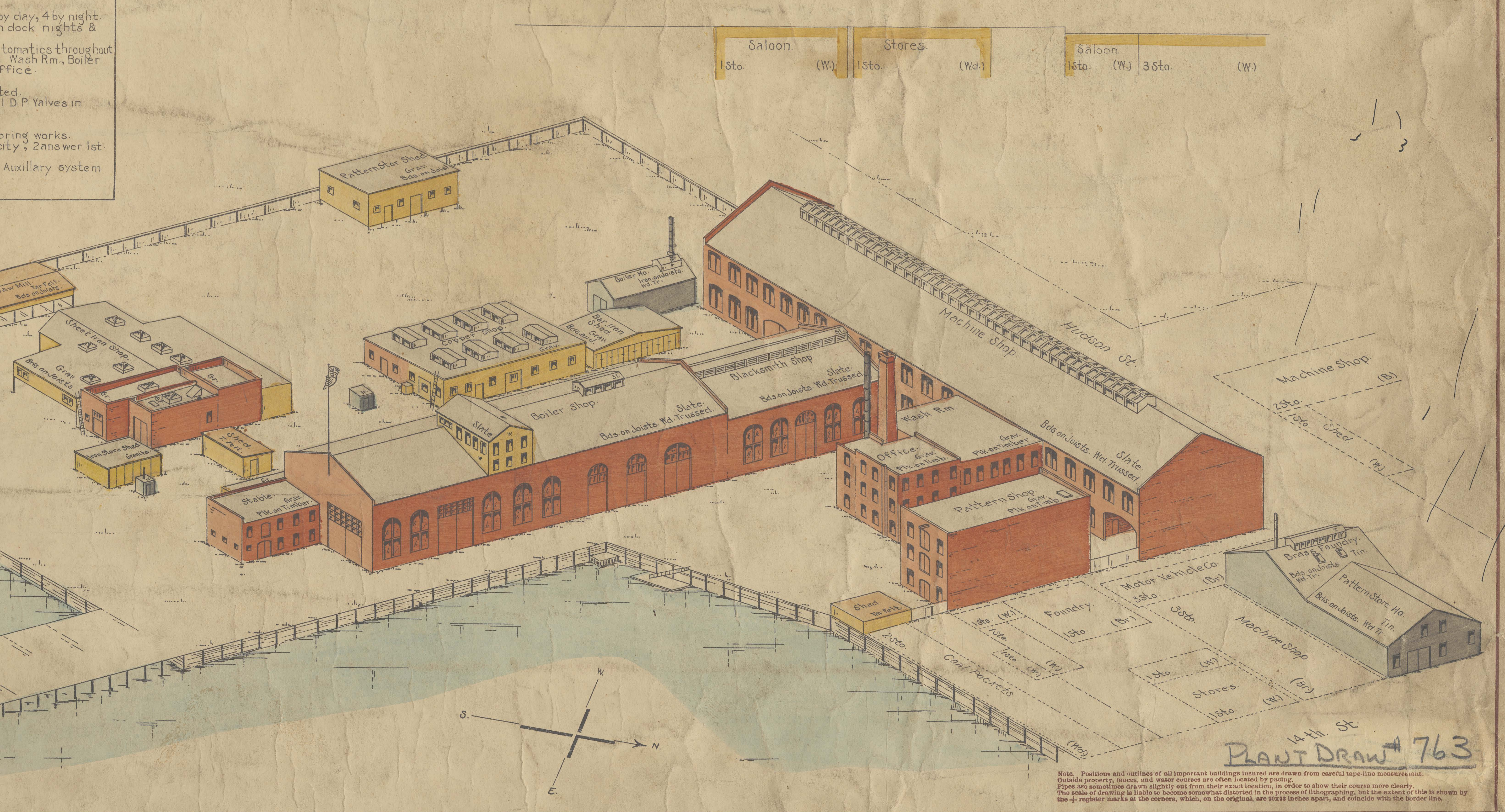
Auxillary system



PLANT DRAW # 763

Note. Positions and outlines of all important buildings insured are drawn from careful tape-line measurement. Outside property, fences, and water courses are often located by pacing. Pipes are sometimes drawn slightly out from their exact location, in order to show their course more clearly. The scale of drawing is liable to become somewhat distorted in the process of lithographing, but the extent of this is shown by the ┼ register marks at the corners, which, on the original, are 20x23 inches apart, and coincide with the border line.

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Property line or street line without fence.
Fire Shutters { Not marked unless complete in all stories over point.
Unprotected Openings { in partitions between rooms. in floors, as belt holes.
Double Fire Door / Single Fire Door { in all stories unless indicated by numbers. If in some stories doors are single and in others double, use single mark.
On Sections, A. S. { Denotes Automatic Sprinklers throughout room, unless otherwise noted.
" P. S. { Denotes Perforated Pipe Sprinklers, or other Non-Automatic Sprinklers.
" W. Tr. / " Ir. Tr. { Over upper right-hand corner, denotes wood and iron or steel trussed roof respectively.

Elevators, open or with wood sheathed well.
Elevators with automatic hatches.
Rope Hoist within building.
Stairways, open or wood sheathed.
Elevators or Stairs enclosed by fire walls.
(2-4) (Bmt.-3) Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.)
Fire Ladder to roof.
Steam Boilers.
Smoke Stack or Chimney.
Hollow Floor or Roof.
Joisted Floor or Roof.
Floors of brick arch, concrete, or other similar non-combustible construction.

PLAN DEP'T OF THE ASSOCIATED MUTUAL INSURANCE CO'S BOSTON, MASS.
SERIAL NUMBER.
7805
This replaces No. 5126

INDEX NUMBER.
70
N