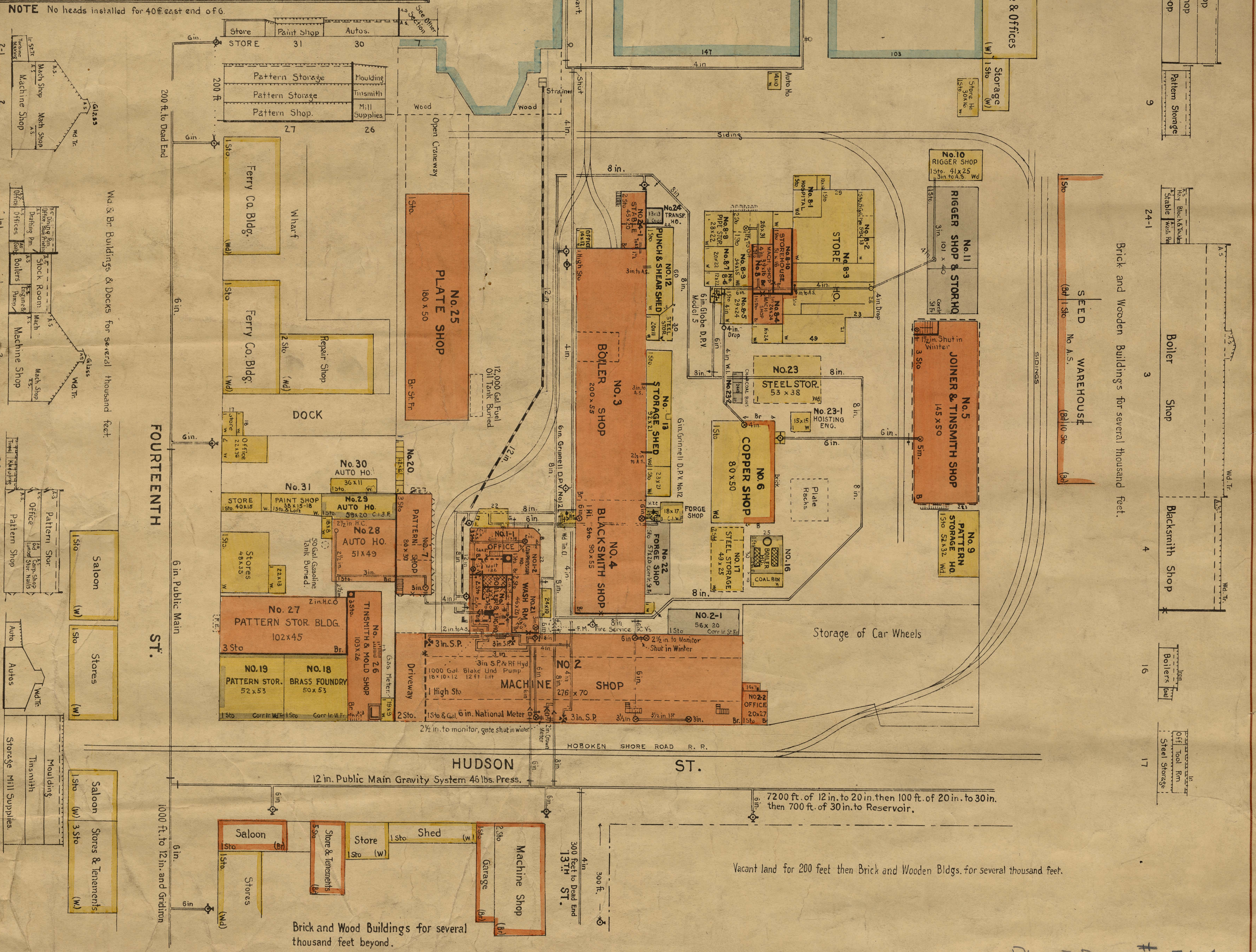


CONSTRUCTION—Roofs are plank on timber on 1-1 (except 22x15 portion) 5, 7, 21, 24-1.
 Corn iron on joists on 10-2, 16 (except coal bin) 11.
 Corn iron on steel frame on 2-1, 22, 25.
 Rein. concrete on 24.
 Others are boards on joists.
 Supported by steel truss on 2-1, 11, 22.
 Supported by wood truss on 2, 3, 4, 18, 19, 28.
 Floors above ground are plank on timber on 1-1, 2, 5, 7, 21, 24-1.
 Others are boards on joists.
 Concealed spaces in 1-1, 1-2, 8-1, 8-10.
AGES—1-1, 2, 3, 4, 7, 8, 8-4, 8-10, 9, 21, 24-1, built in 1891; 6 in 1892; 18 & 19 rebuilt in 1900; 2-2, in 1906; 1-1 rebuilt in 1918; 2-1, 5, 10, 11, 13, 17, 22, 24, in 1918.
POWER—1/2 steam, 1/2 electricity from outside source. Received at 2200^v and transformed to 220^v. Transformers in 24.
FUEL—Coal. Fuel oil used in 25 for furnaces. Pumped to burners & drains back to tank. Acetylene gas used in 8-5 for cutting. Stored in tanks in 8-7.
HEAT—Steam. Pipes at side.
LIGHT—Electricity. Incandescent lamps. Mercury Vapor lamps used in office of 2.
RAW STOCK—Iron castings, forgings, brass.
PRODUCTS—Machinery, engines & boilers.
MAGNITUDE—2800 hands employed. 2750 men on premises by day. 50 by night. Drilled fire brigade of 24 men.
WATCHMEN—6 nights, Sundays and when shut down. Eco Magneto stationary & Newman portable watch clocks.
SPRINKLERS—Automatics throughout 1-1, 1-2, 2 (except drive) 3, 4, 5, 6, 7, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 12 (except steel storage) 13, 21, 24-1.
 No sprinklers elsewhere.
 Globe heads in 5, 6, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 13.
 Grinnell glass bulb (on pattern) elsewhere.
 Primary supply from public mains. Pump also connected.
 Dry pipe system in 3, 4, 6, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 12, 13, 24-1.
 Grinnell No. 12 D.P.V. in 3, 4, 12, 13, 24-1. Globe Model 5 D.P.V. elsewhere.
 Shut in winter in skylight of 2, stair tower of 5.
 Small hose throughout 5 & 7. Fed from sprinkler system.
ASSISTANCE—No fire streams available from neighboring works.
 Nearest fire engine 500 ft. distant. 3 answers first alarm. 6 in city.
 Public fire alarm telegraph box 300 ft. distant. Auxiliary system in yard.
 Public water supply owned by Hackensack Water Co. Gravity system from 65,450,000 gallon reservoir.
 Average daily consumption 6,600,000 gallons.

NOTE No heads installed for 40 ft east end of 6.



Materials of which walls of building are constructed are shown by colors:
 Brick = Red. Wood = Yellow.
 Concrete or Stone = Light Gray.
 Iron = Blue Gray.
 Property not belonging to company insured has only margin colored.

Initial letters in lower right-hand corner of plan indicate building material to the color, 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:

In Views, Roofs are colored gray 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 bare felt on boards.

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

Non-combustible or "Fire Proof" cornice No. 24 Street Numbers shown thus on section

W. & A. FLETCHER CO.
"NORTH RIVER IRON WORKS"
HOBOKEN
LAND & IMPROVEMENT CO. (BLDGs.)
Hoboken, N. J.

Surveyed Feb. 11, 1919.
 Surveyed and drawn by L. B. Love.
 Traced by H. J. Mann.
 Additional Data from Mill May 27, 1919.

Scale 1 in = 50 ft.

See Data File.
 Original Tracing No 13313.

Water tanks for fire purposes.
 Fire walls. If an outer wall, substantially blank.
 Partitions, Wall or Fences.
 Walls or partitions not complete in all stories.
 Outline of Platforms, Open Bridges and Awnings.
 Property line or street line without fence.
 Wired Glass Windows. Complete in all stories unless otherwise noted.
 Fire Shutters. Complete in all stories unless otherwise noted.
 Belt Openings. (unprotected and large).
 Unprotected Openings. In partitions between rooms.
 Double Fire Door. In all stories unless indicated by numbers.
 Single Fire Door. If not double in all stories, use single mark.

On Sections A. S. () Denotes Automatic Sprinklers throughout () P. S. Denotes Perforated Pipe Sprinklers. () O. S. Denotes Open Sprinklers as window or cornice heads.
 W. Tr. () Over upper right-hand corner, denotes wood in Tr. () and iron or steel truss roof respectively.

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

PLANT DRAW # 764

FOR VIEW (NOT REVISED) SEE SERIAL No 7805

PLAN DEPT OF THE SERIAL NUMBER 13313 This Replaces No. 7805

INDEX NUMBER 29224

CONSTRUCTION—Roofs are plank on timber on 1-1 (except 22x15 portion) 5, 7, 21, 24-1. Corn iron on joists on 10-2, 16 (except coal bin) 11. Corn iron on steel frame on 2-1, 22, 25. Rein. concrete on 24. Others are boards on joists. Supported by steel truss on 2-1, 11, 22. Supported by wood truss on 2, 3, 4, 18, 19, 28. Floors above ground are plank on timber on 1-1, 2, 5, 7, 21, 24-1. Others are boards on joists. Concealed spaces in 1-1, 1-2, 8-1, 8-10.

AGES—1-1, 2, 3, 4, 7, 8, 8-4, 8-10, 9, 21, 24-1 built in 1891; 6 in 1892; 18 & 19 rebuilt in 1900; 2-2, 3 in 1906; 1-1 rebuilt in 1918; 2-1, 5, 10, 11, 13, 17, 22, 24 in 1918.

POWER—Steam, 1/2 electricity from outside source. Received at 2200* and transformed to 220 V. Transformers in 24.

FUEL—Coal. Fuel oil used in 25 for furnaces. Pumped to burners & drains back to tank. Acetylene gas used in 8-5 for cutting. Stored in tanks in 8-7.

HEAT—Steam. Pipes at side.

LIGHT—Electricity. Incandescent lamps. Mercury vapor lamps used in office of 2.

RAW STOCK—Iron castings, forgings, brass.

PRODUCTS—Machinery & Boilers.

MAGNITUDE—2800 hands employed. 2750 men on premises by day. 50 by night. Drilled fire brigade of 24 men.

WATCHMEN—8 nights, Sundays and when shut down. Eco Magneto stationary & Newman portable watch clocks.

SPRINKLERS—Automatics throughout 1-1, 1-2, 2 (except drive) 3, 4, 5, 6, 7, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 12 (except steel storage) 13, 21, 24-1.

No sprinklers elsewhere.

GLOBE HEADS in 5, 6, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 13.

GRINNELL glass bell pattern elsewhere.

TRIMMER supply from public mains. Pump also connected.

DRY PIPE system in 3, 4, 6, 8, 8-1, 8-2, 8-3, 8-4, 8-5, 8-6, 8-7, 8-9, 8-10, 10, 11, 12, 13, 24-1.

GRINNELL No. 12 D.P.V. in 3, 4, 12, 13, 24-1. Globe Model 5 D.P.V. elsewhere.

SHUT in winter in skylight of 2, stair tower of 5.

SMALL hose throughout 5 & 7. Fed from sprinkler system.

ASSISTANCE—No fire streams available from neighboring works.

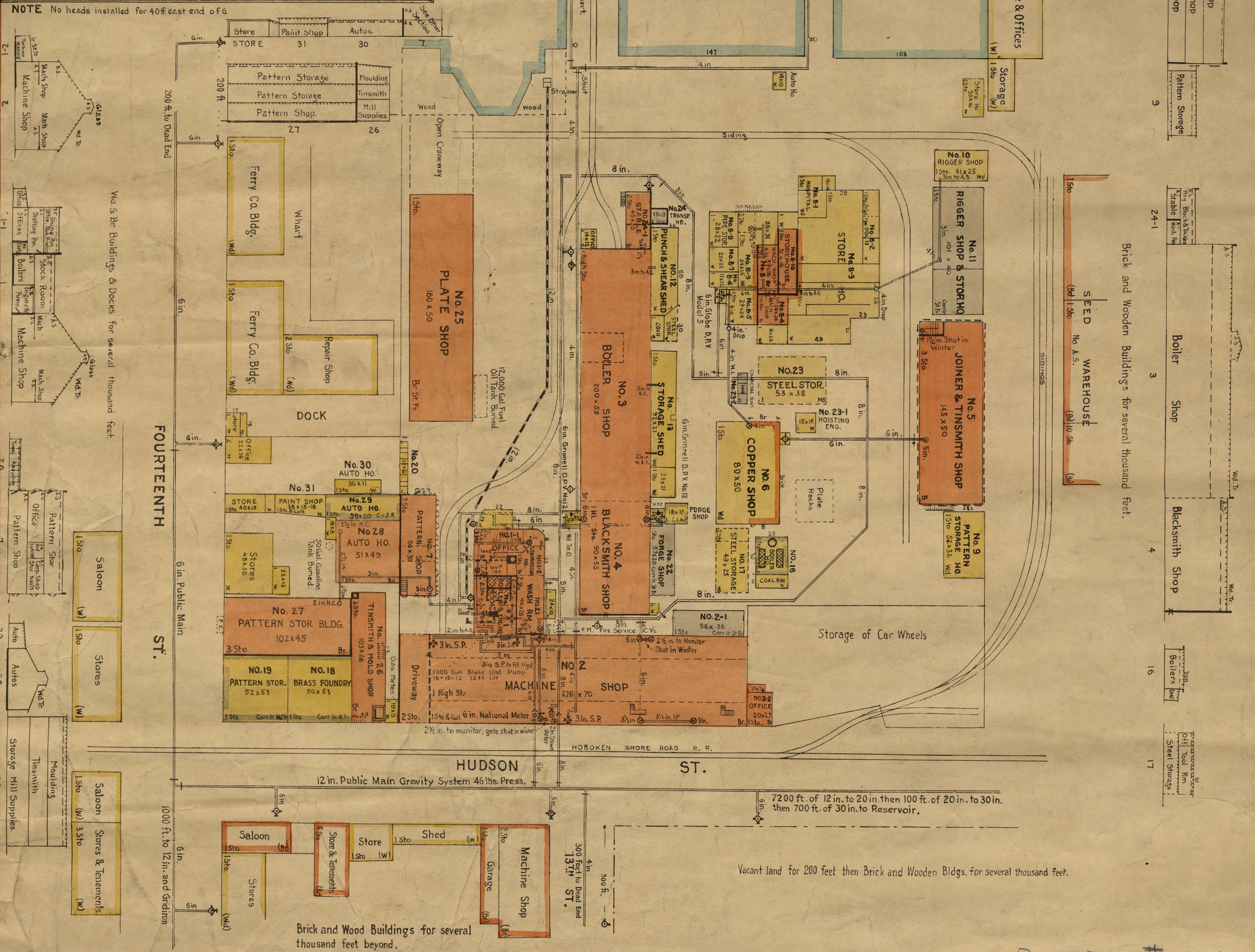
NEAREST fire engine 500 ft. distant. 3 answers first alarm. 6 in city.

PUBLIC fire alarm telegraph box 300 ft. distant. Auxiliary system in yard.

PUBLIC water supply owned by Hackensack Water Co. Gravity system from 65,450,000 gallon reservoir.

Average daily consumption 6,600,000 gallons.

NOTE No heads installed for 40 ft east end of 6.



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

Property not belonging to company insured has only margin colored.

Initial letters in lower right hand corner of plan indicate building material to the color, 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:

In Views, Roofs are colored gray 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 margin on view.

Non-combustible or "Fire Proof" cornice No. 24 Street Numbers shows thus

Standard Frost-Proof Hydrant.
 Number of "Horns" shows number of Hose outlets. "Dry" or Non-Frost-Proof Hydrant.

Independent Gates on Hose Standby Hydrant. Hose Valves on on-Away Standard Hydrant. Hose Valves on Hose House over Hydrant. Hose connections on PIPES.

FIRE PUMP.
 (S. P.) Stand Pipe for Fire Hose.
 (A. S.) Automatic Sprinkler Riser.
 (O. S.) Open Sprinkler Riser.

Discharge from Tank.
 Pipes outside buried below frost. in or under buildings not protected against leakage.
 Pipes under buildings buried.
 Pump Section or supply pipes.
 Water gates in pipes.
 Gates with good (Indicator Post) tollable. (Indicator Post) tollable. (Indicator Post) tollable. Check Valves. Ape shows direction of flow.
 Dry Pipe Valve. Water Meter.

Water tanks for fire purposes.
 Fire walls. If an outer wall, substantially blank. Partitions, Wall or Fences. Retaining walls. Walls or partitions not complete in all stories. Outline of Platforms, Open Bridges and Awnings. Property line or street line without fence. Wired Glass Windows. Complete in all stories unless otherwise noted. Fire Shutters. Belt Openings. (unprotected and large). Unprotected Openings. in partitions between rooms. Double Fire Door. Single Fire Door.

On Sections A. S. denotes Automatic Sprinklers throughout room, unless otherwise noted. O. S. denotes Open Sprinklers at window or cornice heads. W. Tr. Over upper right-hand corner, denotes wood in Tr. and iron or steel truss roof respectively.

Elevators with automatic hatches.
 Rope Hoist within building.
 Elevators or stairs open or wood shafted.
 Elevators or stairs enclosed by fire walls.
 Elevators or stairs dotted if not full height of building. (Numbers show the stories with which they connect.)
 Fire Ladder to roof.
 Fire Escape. Steam Boiler.
 Smoke Stack or Chimney.
 Hollow Floor or Roof. Joisted Floor or Roof.
 Floor of brick arch, concrete, or other similar non-combustible construction.

W. & A. FLETCHER CO.
"NORTH RIVER IRON WORKS"
HOBOKEN
LAND & IMPROVEMENT CO. (BLDG.)
Hoboken, N. J.

Surveyed Feb. 11, 1919.
 Surveyed and drawn by L. B. Love.
 Traced by H. J. Mann.
 Additional Data from Mill May 27, 1919.

Scale 1 in = 50 ft.

See Data File.
 Original Tracing No 13313.

PLANT DRAW # 764

FOR VIEW (NOT REVISED) SEE SERIAL No 7805

FLAN DEPT OF THE SERIAL NUMBER 13313 This Replaces No 7805 INDEX NUMBER 29224

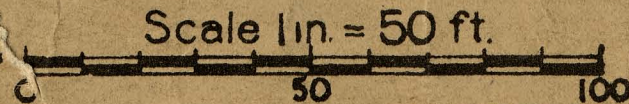
W. & A. FLETCHER CO.

"NORTH RIVER IRON WORKS"

HOBOKEN

LAND & IMPROVEMENT CO. (BLDGS.)

Hoboken, N. J.



Surveyed Feb. 11, 1919.

Surveyed and drawn by L. B. Love.

Traced by H. J. Mann.

Additional Data from Mill May 27, 1919.

See Data File.

Original Tracing No 13313.

FOR VIEW (NOT REVISED) SEE SERIAL No 7805

Plant Draw # 764

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 20x25 inches apart, and coincide with the border line.

Water tanks for fire purposes.

Fire walls. If an outer wall, substantially blank.

Partitions, Walls or Fences. Retaining walls.

Walls or partitions not complete in all stories.

Outline of Platforms, Open Bridges and Awnings.

Property line or street line without fence.

Wired Glass Windows. Complete in all stories unless otherwise noted.

Fire Shutters

Belt Openings. (unprotected and large).

Unprotected Openings. in partitions between rooms. in floors, as open stairs.

Double Fire Door

Single Fire Door

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

P. S. Denotes Perforated Pipe, Sprinklers.

O. S. Denotes Open Sprinklers as window or cornice heads.

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

Elevators with automatic hatches.

Rope Hoist within building.

Elevators or stairs open or wood sheathed.

Elevators or stairs enclosed by fire walls.

Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.)

Fire Ladder to roof.

Fire Escape.

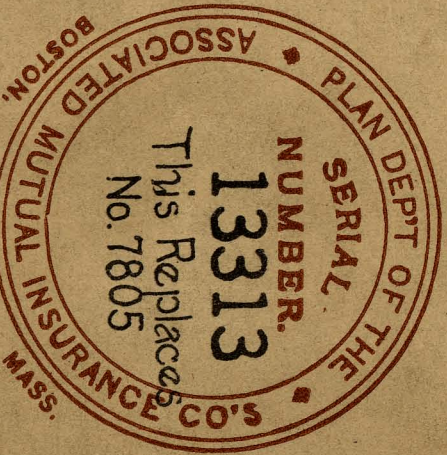
Steam Boilers.

Smoke Stack or Chimney.

Hollow Floor or Roof.

Joisted Floor or Roof.

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



INDEX NUMBER.

29224

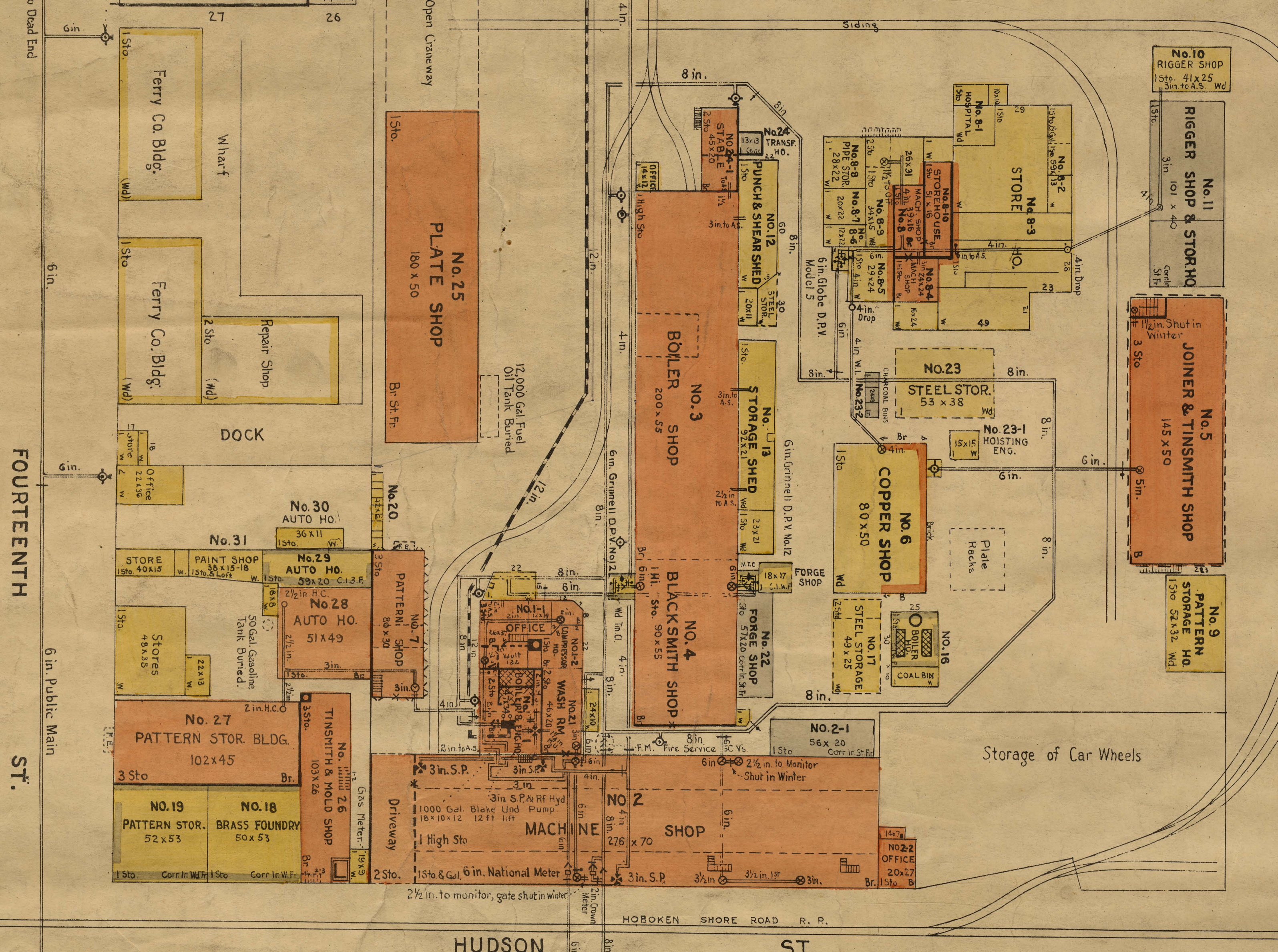
(BLDG.)

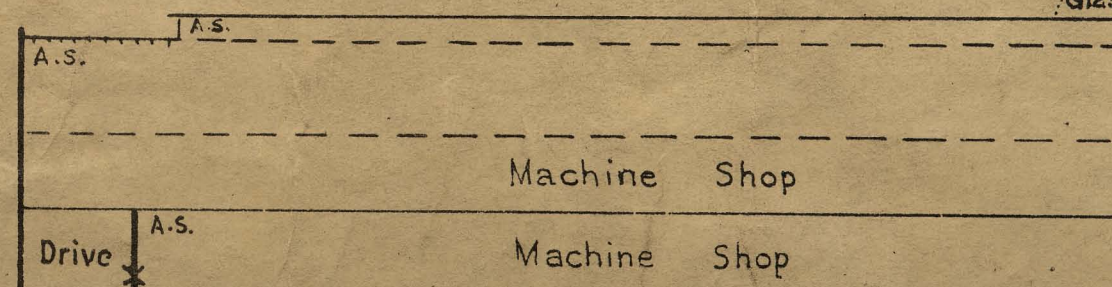
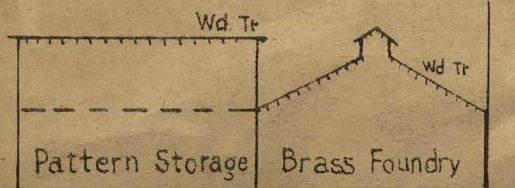
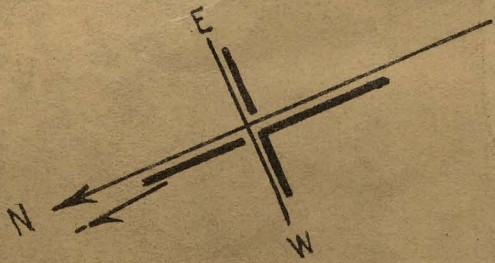
Scale 1 in. = 50 ft.



See Data File.

Original Tracing No 13313.

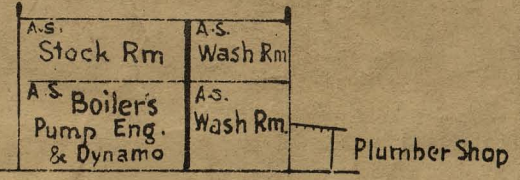




19 18

2

CONSTRUCTION-Roofs are plank on timber on 1,1-1 (except 22x15 portion) 5,7,21,24-1.
Corn iron on joists on 10-2,16 (except coal bin).17.
Corn iron on steel frame on 2-1,22,25.
Rein. concrete on 24.
Others are boards on joists.
Supported by steel truss on 2-1,11,22.
Supported by wood truss on 2,3,4,18,19,28.
Floors above ground are plank on timber on 1,1-1,2,5,7,21,24-1.
Others are boards on joists.
Concealed spaces in 1,1-1,2,8-1,8-10.
AGES-1,1-2,2,3,4,7,8,8-4,8-10,9,21,24-1,built in 1891; 6 in 1892; 13 & 19 rebuilt in 1900; 2-2, in 1906; 1-1 rebuilt in 1918; 2-1,5,10,11,13,17,22,24 in 1918.
POWER-1/2 steam, 1/2 electricity from outside source. Received at 2200v and transformed to 220v. Transformers in 24.
FUEL-Coal. Fuel oil used in 25 for furnaces. Pumped to burners & drains back to tank. Acetylene gas used in 8-5 for cutting. Stored in tanks in 8-7.
HEAT-Steam. Pipes at sides.
LIGHT-Electricity. Incandescent lamps. Mercury Vapor lamps used in office of 2.
RAW STOCK-Iron castings, forgings, brass.
PRODUCT-Marine engines & Boilers.
MAGNITUDE-2800 hands employed. 2750 men on premises by day. 50 by night. Drilled fire brigade of 24 men.
WATCHMEN-8 nights, Sundays and when shut down. Eco Magneto stationary & Newman portable watch clocks.
SPRINKLERS-Automatics throughout 1,1-1,2,2 (except drive) 3,4,5,6,7,8,8-1,8-2,8-3,8-4,8-5,8-6,8-7,8-9,8-10,10,11,12 (except steel storage) 13,21,24-1.
No sprinklers elsewhere.
Globe heads in 5,6,8,8-1,8-2,8-3,8-4,8-5,8-6,8-7,8-9,8-10,10,11,13.
Grinnell (glass button pattern) elsewhere.
Primary supply from public mains. Pump also connected.
Dry pipe system in 3,4,6,8,8-1,8-2,8-3,8-4,8-5,8-6,8-7,8-9,8-10,10,11,12,13,24-1.
Grinnell No.12 D.P.V. in 3,4,12,13,24-1. Globe Model 5 D.P.V. elsewhere.
Shut in winter in skylight of 2, stair tower of 5.
Small hose throughout 5 & 7. Fed from sprinkler system.
ASSISTANCE-No fire streams available from neighboring works.
Nearest fire engine 500 ft distant. 3 answers first alarm. 6 in city.
Public fire alarm telegraph box 300 ft distant. Auxiliary system in yard.
Public water supply owned by Hackensack Water Co. Gravity system from 65,450,000 gallon reservoir.
Average daily consumption 6,600,000 gallons.

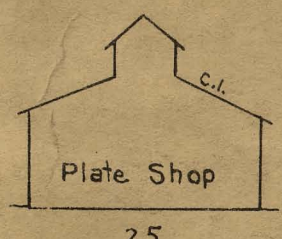


1

21

NORTH

About 3000 ft. wide then brick



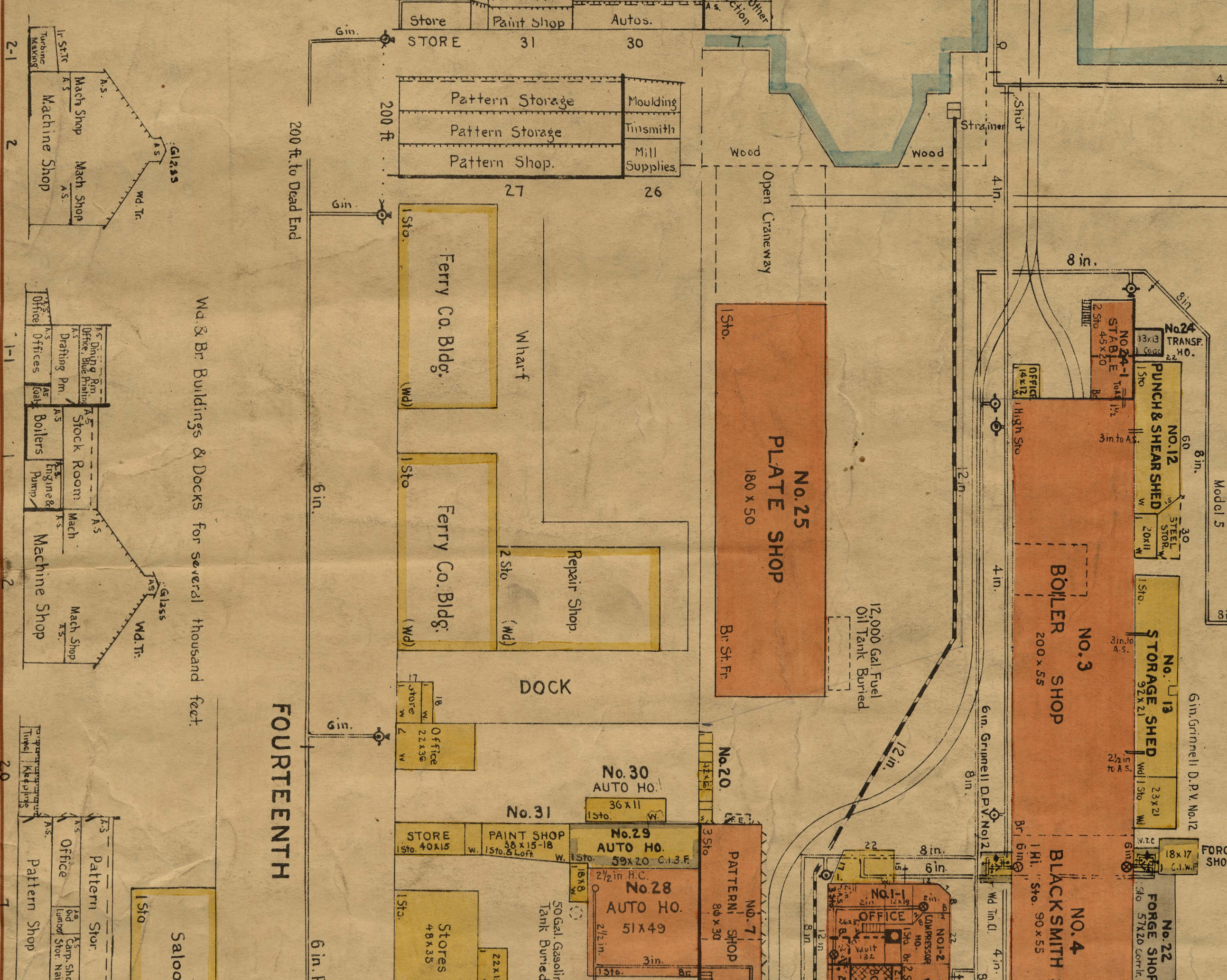
25

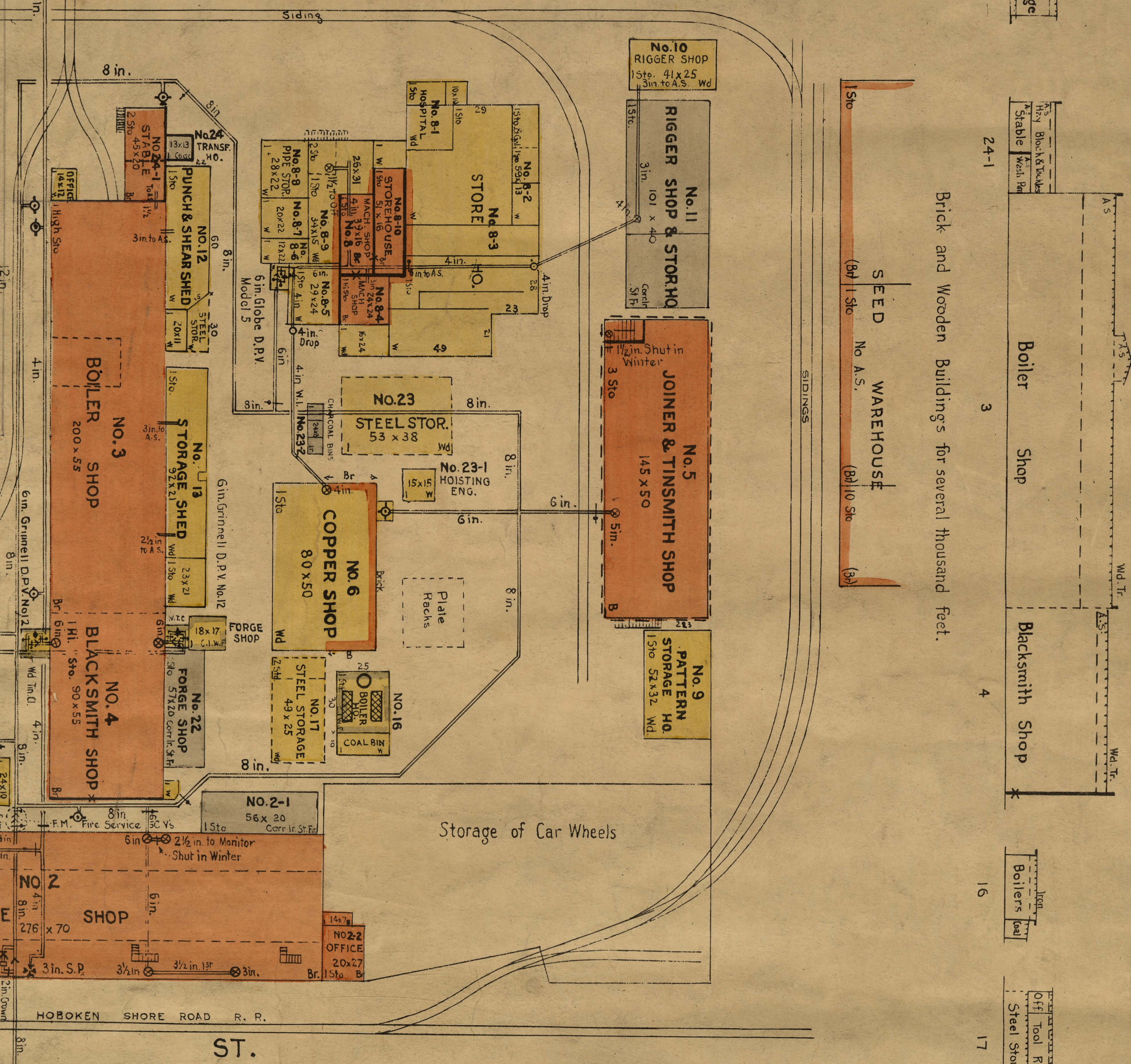
FLLOATING
DRY DOCK

Pier 725 ft long

14-2 1/2 in. Hose Connection 50 ft. apart.

NOTE No heads installed for 40 ft east end of 6.





SEED WAREHOUSE
(Bd) 1 Sto
No A.S.
(Bd) 10 Sto
(Bd)

Brick and Wooden Buildings for several thousand feet.

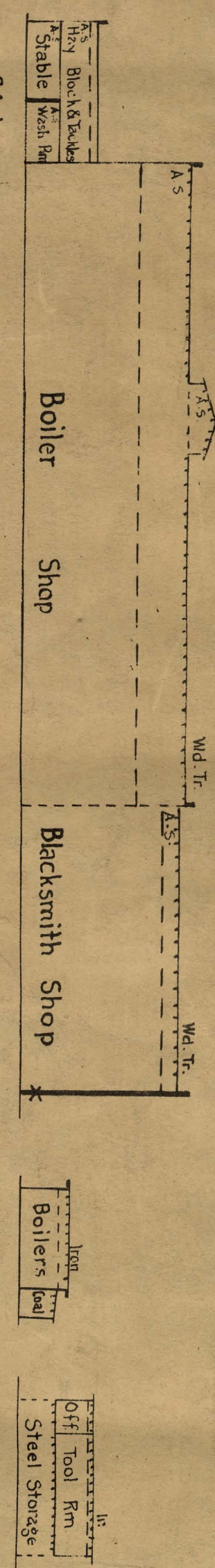
24-1

3

4

16

17



7200 ft. of 12 in. to 20 in. then 100 ft. of 20 in. to 30 in. then 700 ft. of 30 in. to Reservoir.

Vacant land for 200 feet then Brick and Wooden Bldgs. for several thousand feet.

PLANT DRAW # 764

FOR VIEW (NOT REVISED) SEE SERIAL No 7805

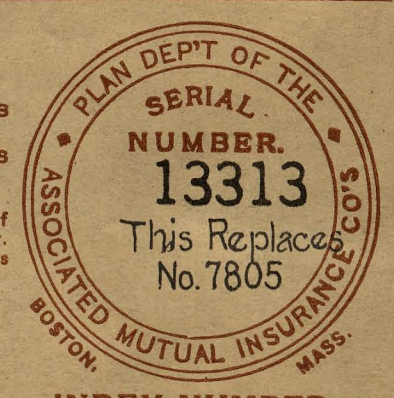
Note: Positions and outlines of all important buildings insured are drawn from careful tape-line measurement. Outside property, fences, and water courses are often located by pacing. Pipes are sometimes drawn slightly out from their exact location, in order to show their course more clearly. The scale 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 20 3/32 inches apart, and coincide with the border line.

A. FLETCHER CO.
"HOBOKEN RIVER IRON WORKS"
HOBOKEN
IMPROVEMENT CO. (BLDGS.)
Hoboken, N. J.

Scale 1 in. = 50 ft.

See Data File.
Original Tracing No 13313.

- Water tanks for fire purposes.
- Fire walls. If an outer wall, substantially blank.
- Partitions, Walls or Fences. Retaining walls.
- Walls or partitions not complete in all stories.
- Outline of Platforms, Open Bridges and Awnings.
- Property line or street line without fence.
- Wired Glass Windows. Complete in all stories unless otherwise noted.
- Fire Shutters.
- Belt Openings. (unprotected and large).
- Unprotected Openings. In partitions between rooms, in floors, as open stairs.
- Double Fire Door. In all stories unless indicated by numbers.
- Single Fire Door. If not double in all stories, use single mark.
- On Sections A. S. { Denotes Automatic Sprinklers throughout room, unless otherwise noted.
- " P. S. Denotes Perforated Pipe Sprinklers.
- " O. S. Denotes Open Sprinklers as window or cornice heads.
- " W. Tr. Over upper right-hand corner, denotes wood
- " Ir. Tr. and iron or steel trussed roof respectively.
- Elevators with automatic hatches.
- Rope Hoist within building.
- Elevators or stairs open or wood sheathed.
- Elevators or stairs enclosed by fire walls.
- Elevators or Stairs dotted if not full height of building. (Numbers show the stories with which they connect.)
- Fire Ladder to roof.
- Fire Escape.
- 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.



INDEX NUMBER.
29224

