

**History of Steamers** 

- 1829 First steam fire engine, built in England.
- 1841 First steam fire engine built in US.
- 1852 First "successful" steam engine built in US, by Latta.
- 1853 First steam fire placed in service in US, in Cincinnati.
- 1860 Steamers now light-enough to hand-drawn (for a while).
- 1906 Sizes are standardized across manufacturers.
- 1911 First Christie gas-powered tractor produced.
- 1917 Last steamer built in US, total of 5,000 steamers since 1852.
- 1933 New York City's last steam fire engine retired from service.

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Uncle Joe Ross, 1853

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## **Major Builders**

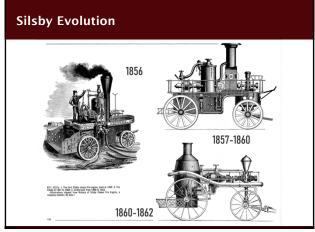
- Ahrens et al (987) Includes Latta
- Amoskeag (853)
- Button (229)
- Clapp & Jones (600+)
- Cole Brothers (60)
- Hunneman (28)
- Jeffers (71)

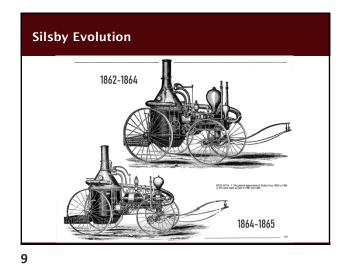
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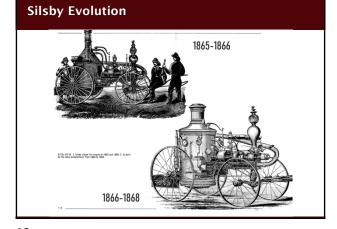
• Johnson (~30)

- LaFrance (539) Includes American and American LaFrance
- Manning (~30)
- Mansfield (~50)
- Nott (100+)
- Reaney & Neafie (~40)
- Silsby (1000+)
- Waterous (106+)

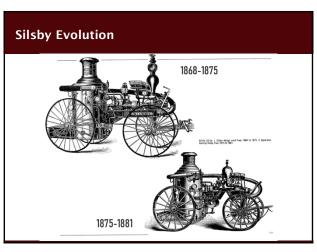
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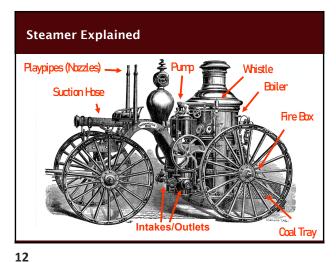






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**Steamer Sizes** Size Capacity Height Length Weight Extra First Size 1100 GPM 9 ft. 6 in. 25 ft. 8500 lbs. First Size 900 GPM 9 ft. 6 in. 24 ft. 6 in. 7300 lbs. Second Size 750 GPM 9 ft. 6 in. 24 ft. 3 in. 6500 lbs. Third Size 650 GPM 9 ft. 4 in. 24 ft. 6000 lbs. 550 GPM 9 ft. 2 in 24 ft. Fourth Size 5500 lbs. Fifth Size 450 GPM 9 ft. 22 ft. 4700 lbs. Sixth Size 375 GPM 4000 lbs.

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Steamer Sizes in North Carolina					
Charlotte	1st?	Monroe	5th	Wilmington	2nd
Charlotte	1st	New Bern	3rd	Wilmington	3rd
Charlotte	3rd	New Bern	4th	Wilmington	3rd
Durham	3rd	New Bern	4th	Wilmington	5th
Durham	2nd	Raleigh	2nd	Wilmington	3rd
Elizabeth City	3rd /2nd	Raleigh	3rd	Wilmington	3rd
Elizabeth City	1st?	Reidsville	4th	Wilmington	4th
Fayetteville	5th	Rocky Mount	5th	Wilmington	1st
Goldsboro	5th	Salem	5th	Wilson	5th
Greensboro	3rd	Salem	4th	Winston	4th
Greensboro	2nd	Salisbury	2nd	Winston	3rd
Greenville	5th	Statesville	4th	Winston	3rd
Kinston	3rd	Washington	5th		

Steamers weighed between 2 to 8 tons.

Boiler fueled using kerosene-soaked rags + kindling wood + coal.

Bags of coal measured the severity of a fire. Two-bagger. Three bagger. Etc.

Boilers could be kept warm with recirculated water at engine house.

Boilers could explode from over-pressure. First LODD in 1855.

Fewer than 400 of the 5000 steamers believed to have survived.

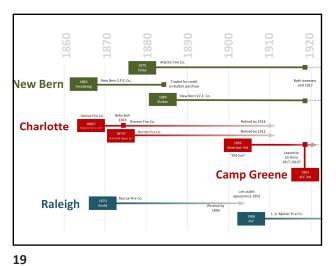
Most were scrapped during metal drives during World War II

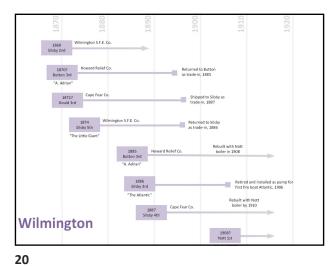
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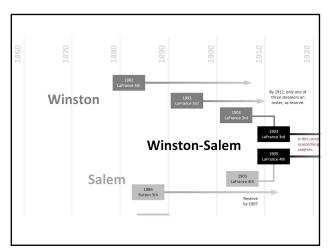
## Early North Carolina History 1705, 1710, 1722 – First towns, Bath, New Bern, Edenton. 1729 – North Carolina becomes English colony. 1756?, 1773 – First hand engines in state, Wilmington. 1770 – First Capitol completed in New Bern, Tryon Palace. 1785 – First hand engines in Salem. 1789 – North Carolina becomes twelfth state. 1791 – Legislative acts authorizing formation of fire companies in Edenton, Fayetteville, and Washington. 1794c – First hand engine in New Bern.

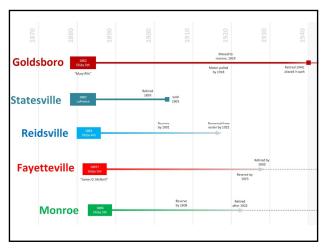
**North Carolina Steamers**  Camp Greene • Raleigh (2) Charlotte (3) Reidsville • Durham (2) Rocky Mount • Elizabeth City (2) • Salem (2) Fayetteville Salisbury Goldsboro Statesville • Greensboro (2) • Washington Greenville • Wilmington (8) • Winston (3) • New Bern (3) • Winston-Salem (2)

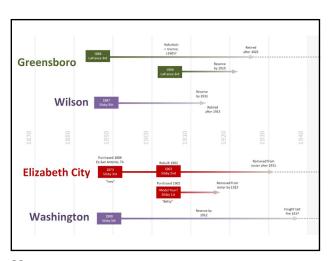
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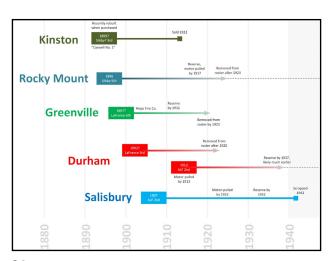












## Salem's 1886 Steamer Steam Pressure Water Hose Nozzle Pressure 140# 180# 7/8 193' 155# 190# Two 50' w/Siamese 7/8 200' 260# 500′ 7/8 204.5' 140# 260# 1000′ 7/8 180'

 Salem's 1886 Steamer

 Pressure
 Minutes
 Notes

 2 pounds
 3.0

 5 pounds
 4.0

 22 pounds
 5.5
 Water started flowing at nozzle

 50 pounds
 8.0

 80 pounds
 10.0

 100 pounds
 10.5

25 26



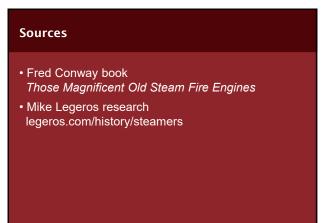
Charlotte
Durham
Elizabeth City
Fayetteville
Greensboro x2
Monroe
New Bern x2
Rocky Mount
Salem
Washington

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