1500 (circa) - Leonardo de Vinci devised instrument for measuring changes in moisture in air, instrument for measuring wind velocity, also built water driven ventilating fan.

1607- Galileo invented a thermometer.

1643- Torricelli invented a barometer.

1659- Boyle discovered relationship between density of air and its temperature.

1730- Henri Y. Pitot invented the Pitot Tube.

1736- Desagulier designed centrifugal blowing wheel.

1800- Dalton formulated laws of pressure of water vapor in air.

1821- Utica Steam Engine & Boiler Works, Inc., Utica, NY did boiler repair work.

1824- Carnot proposed theory of Heat Pump.

1834- Jacob Perkins first in America to patent a refrigeration machine.


1872- Vulcan Iron Works manufactured boilers in Oswego, NY

1874- Hessler Co. started in Syracuse making sheet metal items. Today is House Sheet Metal Works, Inc. fabricating ductwork for the HVAC industry.

1874- York Corp. was founded. Manufactured refrigeration machines.


1883- Mack Brothers located in Syracuse manufacturing and installing boilers. Still operating on Marcellus St.

1886- Fitzgibbons Boilers were manufactured in Oswego, NY.

1886- The Trane Co. was founded. Manufactures HVAC equipment.

1892- D.J. Heaphy started sheet metal business which is still operated by his Grandson.

The Observer Dispatch Album

The Utica Steam Engine & Boiler Works, 80 Waterboro St., building in the right of this picture, is the 1850s.

The picture, reproduced from an old daguerrotype given by the proprietors of the Works, depicts a section of the city once known as Limekilnville.

Right is left, following the shore building, are a boiler shop, a machine shop, and a boiler shop, which William Wagner was proprietor; Union Hall, conducted by Henry Line, and an old refactory, of which T. E. Frease was proprietor. The present-day Steam Engine & Boiler Works, in its 56,000 square feet of manufacturing space, has absorbed all these structures.

The office of the plant occupies the original shore building which appears, except for a facade of brick masonry added in 1937, as if it stood in 1930 before the Civil War.

"A remarkable engineering, mechanical, and architectural work, recently ran a history of the Utica Steam Engine & Boiler Works, taken from an original article by the late Louis Clark for the Utica Daily Press. "It is, he said, the most important addition to the city, and the one that is designed to accommodate its growing industrial needs."

"A short history of this industrial development, "he said, "shows that the Utica Steam Engine & Boiler Works, was established in 1850 as a result of the desire of local industry for reliable and efficient steam equipment."

"The plant, as it now stands, is the result of many years of hard work and dedication by the men who built and operated it. "The company, today, is one of the largest in the country, and its products are used throughout the world."

"The success of the Utica Steam Engine & Boiler Works, is due in large part to the vision and leadership of its founders, who recognized the need for efficient and reliable steam equipment in the industrial growth of the region."