

GENEALOGY DATABASE ENTRY

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Chandler, Charles Frederick

1836 - 1925

DEGREE: PhD

DATE: 1856

PLACE: Göttingen

TEACHER/RESEARCH ADVISOR: Wöhler/Rose

one of the founders of the American Chemical Society; expert in sugar refining, petroleum refining, the manufacture of illuminating gas, photomechanical processes, and calico printing; invented a system of assay weights (whereby the amount of metal in a ton of ore is easily and quickly computed in grams or ounces), a universal flash-point apparatus, the Chandler photometer, the Chandler-Baumé hydrometer scale, a sludge metering device, a flow-meter chemical-solution feeder for water softening, and the flush closet for toilets; father of modern sanitation.

FOOTNOTE: Chandler studied one year with Wöhler in Göttingen and was Rose's personal assistant for one year in Berlin. His dissertation was based on work done at both laboratories.

1. *Biog. Mem. Nat. Acad. Sci.* **1931**, 14, 127-181.
2. *Industr. Eng. Chem.* **1925**, 17, 1090-1091.
3. *J. Chem. Ed.* **1955**, 32, 499-506.
4. *National Cyclopaedia of American Biography*; James T. White & Co.: 1921-1984; vol. 23, p46-47.
5. *Dictionary of American Biography*; Malone, D., Ed.; Charles Scribner's Sons: 1936; vol. 3, p611-612.