Wax Fruit and Vegetable Models A Bibliography

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A Brief History of the Wax Fruit and Vegetable Collection at the New York State Agricultural Experiment Station (NYSAES), Geneva New York USA

The NYSAES Museum was located on the second floor of Jordan Hall. Included in the display were wax models of fruit and vegetable varieties, a series of mushrooms, and also some specimens showing disease and insect injuries to plants,. Two artists were involved in the making of the wax specimens: James S. Lawson (1890-1977) and Clara Barnes (nd.). James S. Lawson was appointed the Station's first Museum Preparator in 1920. Employed only in the summer, he resigned in 1935. In May 23, 1936, Miss Clara L. Barnes was appointed Museum Preparator. She served until 1942. The position was abandoned due to lack of funding. In the 1970's the collection was packed up, and put into storage. A project is now underway to inventory the collection, assess conservation needs, develop a secure storage strategy, photograph it, create a searchable database, and prepare for putting it up on the library's website. In addition, efforts are also being made to create a network of institutions with similar collections.

The Wax Fruit and Vegetable Collection at NYSAES

Chapman, P.J. and Glass, E.H. <u>The First 100 Years of the New York State Agricultural Experiment Station at Geneva, NY.</u> New York State Agricultural Experiment Station, Cornell University, Geneva, NY, 1999. p.47.

Cornell University Library UPDATE. (Spring 2007).

Cornell University, Mann Library. "Apples of America: Wax Fruit." http://exhibits.mannlib.cornell.edu/apples/wax_fruit.htm

"Descendants of Graham LAWSON & Ann Wright," <u>Ancestry.com</u>, Family History & Genealogy Message Board, (Posted August 18, 2007) p. 3. http://boards:ancestry.com/localities.northam.can/ontario.halton/913/mb.ashX

"Edith Lawson dies, was noted artist," Guelph Mercury (November 24, 1986).

Forrest, A.C. "Artists and Religion," <u>The United Church Observer</u>, (March 15, 1961) pp. 5, 14-17, 24.

Frank, Gerald. People of Interest. Rev. J. Lawson, Now 75 Has Had Interesting Life," Guelph Daily Mercury, (November 13, 1965).

Jordan, W.H. <u>Director's Report for 1920.</u> New York Agricultural Experiment Station. Published by The Station. (December 1920) pp. 3-5. (James S. Lawson, Phm. B., Museum Preparator, was appointed July 1, 1920).

"Lawson, Edith Grace Coombs," The Globe and Mail, (24 November, 1986).

Maccameron, Bob. "Models of Fruit Renewed By Dr. James S. Lawson," <u>The Geneva</u> Times, (Monday, Dec 6, 1965).

McCandless, Linda. "Waxing Botanical in the Name of Science," June 7, 1996. (Press release) http://nysaes.cornell.edu/pubs/press/wax fruit.html

New York Agricultural Experiment Station. Annual Report, (1936) p. 11.

New York Agricultural Experiment Station. Annual Report, (1939) p. 11.

New York Agricultural Experiment Station. "A Great Spectacle," <u>The Station News</u>, vol. XXXII, no 16 (April 10, 1939).

New York Agricultural Experiment Station. "Jim". Lawson," <u>The Station News</u>, vol. IX, no. 23 (December 1927).

New York Agricultural Experiment Station. "Jim Lawson," <u>The Station News</u>, vol. XII, no. 3 (January 1929).

New York Agricultural Experiment Station. "Jim" Lawson," <u>The Station News</u>, vol. XXXIV, no 21 (22 May 1940).

New York Agricultural Experiment Station. "Jim Lawson Returns," <u>The Station News</u>, vol. XII, no. 19 (May 1929)

New York Agricultural Experiment Station. "Off For the Fair," <u>The Station News</u>, vol. XXXII, no 15 (April 12, 1939).

New York Agricultural Experiment Station. "Some Things to See Today," <u>The Station News</u>, vol. II, no 5 (3 August 1926).

New York Agricultural Experiment Station. "The Station Museum," <u>The Station News</u>, vol. VII, no. 5 (August 4, 1926).

New York Agricultural Experiment Station. Geneva, New York. "Library & Museum," (Photograph of the Museum with wax models of new fruits and other exhibits). Circular No. 136 revised March 1, 1957 p. (3).

Philipp, Chris. "Hidden Treasures at Cornell Library. This library is more than just books: How about Sinatra, wax fruit or antique slide rules?" Chronicle Online, (Feb 1, 2007). http://www.news.cornell.edu/stories/Febo7/library_treasures.html

<u>Pictorial Souvenir. New York State Exhibits. Official Guide. New York State Building.</u> World's Fair. (New York, c. 1939) pp.95-96.

Pierce, Lorne. <u>E. Grace Coombs</u>. (Mrs. James Sharp Lawson). Toronto, Ryerson Press, 1949.

"Western New York News," Horticulture. <u>The Rural New Yorker</u> (Preparations for World's Fair), vol., no. 5448 (April 5, 1939) p. 223.

History of Wax Modeling

.American Museum of Natural History. Department of Preparation and Installation. <u>Plant</u> Forms in Wax, New York: The Museum, November 1911. 28 pp. (Guide Leaflet no. 34.)

<u>Annual Report of the Ohio State Board of Agriculture.</u> "27th Ohio State Fair,"1877. p.109.

Arbari, F.G. "From the Garden of Simples to the Botanical Garden of Pisa University. History, Roles and Perspectives," <u>Atti. Soc. Tosc. Sci. Nat, Mem</u>, Serie B, 113 (2006) pp. 91-93.

 $\underline{http://74.125.95.104/search?q=cache:26OJJPVGift0J:www.stsn.it/serB113/16.pdf+Leiden+wax+model+}$

The Art of Making and Modeling Wax Flowers and Fruit. London: J. Barnard & son, nd.

The Art of Making Wax Flowers. Boston: Perry Mason & co., 1874.

"The Artist in Wax Fruit, "A Painting by Anna Whelan Betts. <u>Art and Progress</u>, vol. 3, no. 10 (August 1912) p. 678.

"The Artist in Wax Fruit, "Painted for The Century by Anna Whelan Betts. <u>Century Illustrated Monthly</u>, vol. 84 (May/October 1912) p. 482.

Blunt, Wilfred and Stearn, William T. <u>The Art of Botanical Illustration</u>. Antique Collectors' Club, in association with The Royal Botanic Gardens, Kew, 1994. New Edition, rev. and enl. pp 288-289, 291.

Bolotin, Norman and Laing, Christine. <u>The Chicago World's Fair of 1893</u>. The World's Columbian Exposition. Washington, D.C.: The Preservation Press, National Trust for Historic Preservation, 1992.

"The Botanical World in Replica: The Story of Field Museum's Astonishing Collection of Plant Models," <u>HerbalGram</u>, 31:18 (1994); American Botanical Council. (Reprinted from <u>Field Museum of Natural History Bulletin</u>, vol. 54, no 8, September 1983.)

Browne, Montague. Artistic and Scientific Taxidermy and Modelling. (1896).

Buffalo Museum of Science. "Marchand Hall of Wildflowers." www.sciencebuff.org/marchand_hall_of_wildflowers.php

"Carporama: Exposure fruit and tropical plants," <u>Revue des Deux Mondes</u>, Book review.-1st Qtr. 1830, vol. 1, (1830) p. 2. The free library. http://64.233.179.104/translate_c?hl=en&sl=fr7u=http;//fr.wikisource.org/wiki/Revue_littmonths.

<u>Catalogue des fruits et des plantes modeles composant le Carporama,</u> rue Grange-Bateliere n'2, Paris. 47pp.

Coleman, Laurence Vail. <u>Plants of Wax, How They are Made.</u> New York: American Museum of Natural History," February 1922. pp. 3-16. (Guide Leaflet Series, No. 54)

Dibben, Martyn. "Mushroom Mania...Is It For You?" Milwaukee Public Museum. Collections. www.mpm.edu/collections/pubs/botany/mushrooms/index.php

Duncan, Florence. <u>A Course of Lessons in Modelling Wax Flowers</u>. Philadelphia: J. B. Lippincott & co., 1877.

"The Farmer's Insect Pests," Marvelous Reproductions of Specimens of Their Work. New York Times, (March 28, 1892). ProQuest Historical Newspapers the New York Times (1851-2003) p. 6.

Fassett, E.C.B. <u>Plant Forms in Wax:</u> Some Methods Employed in the Department of Preparation and Installation of the American Museum of Natural History. New York: Published by the Museum, November 1911. (Guide leaflet No. 34)

Finney, Barbara, "Victorian Pastimes. The Lost Art of Wax Flowers and Fruit. Nineteenth Century," <u>Magazine of the Victorian Society in America</u>, vol. 25, no 1, (Spring 2005) pp. 24-28.

Francis, G.W. <u>The Art of Modelling Wax Flowers and Fruit.</u> London: Simpkin, Marshall, 1840.

<u>The Great Exhibition-1851. 1204-2004 Celebrations.</u> "Guernsey's Contribution," <u>www.museum.guernsey.net/great_exhibition_1851</u>

Hill, A.S. "Models of Fruit. The Monumental Work of Mrs. Stanley Potter," <u>O.A.C.</u> <u>Review</u>, vol. XLII, no 3, (November 1929) pp. 128, 172.

House, Homer D. "The Peck Testimonial Exhibit of Mushroom Models," <u>Mycologia</u>, vol. 9, no. 5 (Sep 1917) pp. 313-314. Published by Mycological Society of America. <u>www.jstor.org/stable/3753150</u>.

"How to Identify Apples." North American Fruit Explorers. (January 1982).

Howe, Bea. The Art of Modelling Wax Flowers. (nd).

Hutt, H.L. "Wax Models," Agricultural College. (1903) p. 95.

Iowa State University. College of Agriculture and Life Sciences. "Celebrating 150 Years of Excellence in Agriculture at Iowa State," 1995 – 2008. Prairie Farmer," (1995-2008) p. 6. www.ag.iastate.edu/coa150/prairie farmer.php

Kemble, Marion. <u>Art Recreations</u>, A Guide to Decorative Art. Boston: S.W. Tilton & co., 1859.

Lady, A. The Wax Bouquet; or, the Art of Raising all Flowers at all Seasons: A Manual of Clear Instructions for Ladies Making their Own Wax Flowers. London, (1855).

Lamy, Denis. "Le savoir botanique par les herbiers: une permanence du travail de cabinet," pp. 1-18. http://64.233.157.104/search/q=cache:kLYpZcu-A0MJ:www.livre-franchcomte.com/pdf/colloque/Lam.

Lazarus, M.H. and Pardoe, H.S. (ed) <u>The Catalogue of Botanical Prints and Drawings at the National Museums and Galleries of Wales</u>, 2003.

Lefranc, Marie. How to Make Wax Flowers. New York: Wynkoop & Hallenbeck, 1882.

McCrone, Guy. Wax Fruit, 1947.

McIlwraith, Verne. "Need More Support for Rural Museum," <u>The Guelph Daily</u> Mercury, (January 29, 1954).

Madame Herman's New Method of Making Wax Flowers. 1873.

"Making Wax Fruit," <u>Moore's Rural New Yorker</u>, vol. XXXIV, no. 4, whole number 1382, July 22, 1876, p. 57.

Mauser, Matthias. "Venusbrust und Seifenhemdchen," Staatliche Naturwissenschaftliche sammlungen bayerns. Archive. Botany/Naturkunde-Museum Bamberg (Aviso 4, 2002) pp. 42-45.

"Memory of the Royal Academy of Sciences, Arts and Belles-lettres de Caen," Book review, Revue des Deux Mondes, vol. 1 (1830)

Michigan State University. Department of Horticulture. East Lansing, Michigan. From Seed to Fruit. 150 Years of Horticulture at Michigan State 1855-2005. University Printing, 2007. pp. 32-33. (F.G. Dennis, jr., G.M. Kessler, and H. Davison)

Mintorn, J.H. Lessons in Flower and Fruit Modelling in Wax. 1870.

Mintorn, John and Horatio. <u>The Hand-Book for Modelling Wax Flowers</u>. London: George Routledge, 1844; ed. 4, 1850; ed. 5, 1852; ed. 6, 1853; ed 7, 1855.

Mrs. William's Australian wax-work exhibition, 147, Gt. Bourke Street, East: Catalogue. Melbourne: Steam Press of William Fairfax (1858?)

Museum of the Observatory of Kremsmunster. "Mushroom Collection of wax by Leopold Trattinnick," <u>Property of the Month,</u> (November 1999) pp. 1-3. http://64.233.179.104/translate.

Museum Victoria. Melbourne, Victoria, Australia. "Sustainable Futures Collection," http://museumvictoria.com.au/Collections-Research/Our-Collections/Technology-amp=Susta...

Museum Victoria. Melbourne, Victoria, Australia. "Treasures. Museum Victoria celebrates 150 years, Pathways, food: Wax fruit and vegetable moulds," (nd.) http://infozone.museum.vic.gov.au/treasures/details.aspx?Simg=3&Path=2&PID=7&img=1

Museum Victoria. Melbourne, Victoria, Australia." Wax fruit and vegetable models," <u>Infosheet.</u> http://museumvictoria.com.au/discoverycentre/Infosheets/

New-York Historical Society. Manuscript Department. <u>Guide to the Records of the American Institute of the City of New York for the Encouragement of Science and Invention 1808-1983</u>. (Bulk 1828-1940) http://dlib.nyu.edu/eadapp/transform?source=nyhs/americaninst2.x....

Patten, Lizzie S. Wax Flowers and Fruit Modeling without a Teacher. 1876.

Peachey, Mrs. (Emma). <u>The Royal Guide to Wax Flower Modelling</u>. London: Published and sold by Mrs. Peachey, 1851.

Pepper, C. and Elise, Mme. The Art of Modelling and Making Wax Fruit and Flowers.

Pepper, Charles. Peterson's Magazine, 1860. (A year long series on wax modeling.)

Pyke, E.J. A Biographical Dictionary of Wax Modellers. Oxford: Clarendon Press, 1973.

Redoute. Fleuriste Artificiel et Feuillagiste, (nd.)

Reiling, Henri. <u>Beter dan de natuur</u>, 2003. (Translation: Better than Nature) http://home.wanadoo.nl/here/neo.html Rochester, V.C. "Artists in Wax," <u>The Washington Post</u>, (September 25, 1892); ProQuest Historical Newspapers The Washington Post (1877-1990) p. 16.

Royal Botanic Gardens. "Botanical Models in the Economic Botany Collection at Kew," 4 pages.

"Sarah (Irish) Potter," From <u>The Sabbath Recorder</u>, a newspaper of the Seventh Day Baptist Church, http://www.rootsweb.ancestry.com/~ilfayett/potterobbit.htm

Shteir, Ann B. "FAC-SIMILES OF NATURE". VICTORIAN FLOWER MODELLING," <u>Victorian Literature and Culture</u> 35, (2007) pp 649-661.

Simmonds, Thomas C. <u>The Art of Modelling in Clay and Wax</u>; arranged as a course of instruction preparatory to the examinations of the Department of Science and Art: with numerous illustrations by the author. London: Bemrose, 1892.

Skill, Mrs. (Rebekah). The Art of Modelling Wax Flowers. London: Simpkin, (1852).

Smith, Albert Burdette. The Wax Worker's Text-Book. 1874.

Smithsonian Institution. "Focus on Leadership," Anthropology Conservation Laboratory, (nd.) 6pp. http://anthropology.si.edu/conservation/focus_on_leadership1.htm

Sourdon, Mlle. Fleuriste Artificiel Simplifie, (nd.).

Sternwarte Kremsmunster. The Observatory of Kremsmunster. 3 pages. http://members.nextra.at/stewar//english.htm

Sydney University Museums. "Most Curious and Peculiar. Women Taxidermists in Colonial Sydney," www.usyd.edu.au/museums/whatson/exhbitions/ctaxidex.shtml

Tolton, W.G. "Mrs. Potter's Wax Works: An Unusual Collection of Fruit and Vegetable Models," <u>ALHFAM</u>, (The Association for Living History, Farm & Agricultural Museums) (1986) pp. 140-142.

Townsend, A. "The Preparation of Botanical Specimens for Display at NMGW from 1927-1959," <u>Natural History Collections Group Newsletter</u>, Issue no. 14 (December 2004) pp. 12-14. http://64.233.167.104/search/q=cache:0N6VmRY0PXMJ:icom-cc.icom.museum/Documents/WorkingG...

<u>Transactions of the N.Y. State Agricultural Society</u>. With An Abstract of the Proceedings of the County Agricultural Societies, With B.P. Johnson's Report on the Industrial Exhibition, London, 1851. vol. XI, 1851. Albany, (1852) pp.177-178, 180-181, 207-208.

<u>Transactions of the N.Y. State Agricultural Society.</u> With An Abstract of the Proceedings of the County Agricultural Societies, With County Agricultural Societies vol. XII, 1852. Albany, (1853) p. 11.

University of Guelph Library. Guelph, Ontario, Canada. <u>Inventory of Ontario Agricultural College Records.</u> Wax and plaster of Paris reproductions of mushrooms created by Mrs. Stanley Potter and J.S. Lawson... www.lib.uoguelph.ca/the_collection/digitalcollections/region/oac_collections.htm

Walters, S.M. and Stow, E.A. <u>Darwin's Mentor</u>. <u>John Stevens Henslow 1796-1861</u>. Cambridge University Press, 2001, pp. 246, 306.

Wax Flowers, and How to Make Them. Boston: J.E. Tilton, 1864; 1869.

<u>Wax Flowers, How to Make Them.</u> With New Methods of Sheeting Wax, Modeling Fruit, etc. Boston: J.E. Tilton and Co., New York: Hurd and Houghton, 1864.

"Wax fruit collection a unique and irreplaceable record," <u>Guelph University News</u> Bulletin, vol. 20, no 29 (July 22, 1976) p. 7.

"Wax Fruit for Paris," The Washington Post, (April 1, 1900) p. 23.

"Wax Plants and Bugs," <u>The Washington Post</u>, (Mar 25, 1894); ProQuest Historical Newspapers. <u>The Washington Post</u> (1877-19900 p. 3.

The Wax Workers Textbook. (Privately published, 1873).

"Welcome to the History of Washington County Iowa 1880," Centennial Awards. GROUP XXXVI. p.5.

www.usgennet.org/usa/topic/historical/LightOn/1880wash_18.htm

Whitmore, J. "The Wax Fruits in the O.A.C. Museum," <u>O.A.C. Review.</u> Published in the Interests of Agriculture. vol. XXXVII, no 9 (May 1925) p. 326.

Williams, Mrs. C.S. and Henry T. <u>Ladies Fancy Work</u>. New York: Henry T. Williams, 1876.

Wisconsin State Horticultural Society. <u>Transactions of the Wisconsin State Horticultural Society</u>, including addresses and papers presented, and proceedings... 1884 (covers 1882/1883). pp. 88-89.

Zitmak, Dr. Z. Dept.of Hort. Sci., Ontario Agricultural College, University of Guelph, Ontario. "Wax Fruit Specimen Collection at the OAC," <u>The North American Pomona</u>, Quarterly of the North American Fruit Explorers. vol. X, no. 2 (Spring Edition 1977) pp. 128-129.

Conservation and Storage of Wax Model Collections

The American Institute for Conservation of Historic & Artistic Works. <u>Guidelines for Selecting a Conservator</u>. Brochure. 2000.

American Museum of Natural History. Department of Preparation and Installation. <u>Plant Forms in Wax</u>, New York: The Museum, November 1911. 28 pp. (Guide Leaflet no. 34.)

Bachmann, Konstanze, ed. <u>Conservation Concerns</u>; a <u>Guide for Curators and Collectors</u>. Washington, D.C.:Smithsonian Institution Press, 1992.

Buffalo State, State University of New York. Art Conservation Department. www.buffalostate.edu/depts/artconservation/About.htm

Canadian Conservation Institute. <u>CCI Notes.</u> Ottawa, Canada. . (Series in a variety of conservation-related subjects) <u>www.cci-icc.gc/framset_e.shtml</u>

CHIN Canadian Heritage Information Network. http://www.chin.gc.ca/English/

Clydesdale, Amanda. "Beeswax: A Survey of the Literature of its Properties and Behavior," <u>SSCR Journal</u>, vol. 5, no 2 (May 1994) pp. 9-12.

Coleman, Laurence Vail. "Plants of Wax, How They are Made in the American Museum of Natural History," New York: American Museum of Natural History, February 1922. pp. 3-16. (Guide Leaflet Series, No. 54)

Conservation Distribution List. Condist/condist-request+condist@lindy.standford.edu

Cool Conservation on line. http://palimpsest.stanford.edu

GCG Geological Curator's Group. http://www.hmag.gla.ac.uk/gcg

The Getty Institute. <u>Abstracts of International Conservation Literature</u>. <u>http://www.aata.getty.edu/nps</u>

The Getty Institute. The Getty Institute Conservation books and reports in PDF. http://www.getty.edu/conservation/resources/reports.html

Harley, C. "A Note on the Crystal Growth on the Surface of a Wax Artifact," <u>Studies in Conservation</u>, (Published by International Institute for Conservation of Historic and Artistic Works.) vol. 38, no.1 (February 1993) pp. 63-66.

Herbert, Roy. "Modelling Plants in Wax," pp. 649-655. <u>La ceroplastica nella scienzae nell'arte: atti del I congresso internationale Firenze, 3-7 giugno 1975.</u> Firenze: L.S. Olschki, 1977.

ICOM. International Council of Museums. Committee for Conservation. http://icom-cc.icom.museum/Home

ICOM. International Council of Museums. Committee for Conservation. <u>Newsletter</u> no. 23 (April 2006). "Efflorescence on Wax Models." <u>www.icom-cc.icom.museum</u>

MacLeish, A. Bruce. <u>The Care of Antiques and Historical Collections</u>. Thousand Oaks, CA.: Altamira Press, 1985.

Minnesota Historical Society. "Recipes for Wax Fruit," <u>Elisha Randall papers</u>, 1857-1897, 1920. MnHi-Ar; A/-R188e.

Murrell, Jim. "A Discussion of Some Methods of Wax Conservation and their Application to Recent Conservation Problems," pp. 715-718. <u>La ceroplastica nella scienzae nell'arte: atti del I congresso internationale Firenze</u>, 3-7 giugno 1975, Firenze: L.S. Olschki, 1977

Murell, Jim. "Some aspects of the conservation of wax models," <u>Studies in Conservation</u>, vol. 16, no 3 (August 3, 1971) pp.95-109.

National Library of Medicine. National Institute of Health. "Rules for making wax fruit molds," Henry Leber Coit Papers, 1773-1966. Coll. MS C 35. Box 16 4.

National Parks Service. <u>Conserve O Gram</u>. (Series of leaflets). <u>www.cr.nps.gov/csd/publications</u>

The Natural History Collections List Server NHCOLL. http://www.spnhc.org/nhcoll.htm

NatSCA Natural Sciences Collections Association formerly BCG (Biological Curator's Group0 and NSCG (Natural Science Conservation group) (No website as yet) Contact Secretary P.Brown@nhm,ac.uk

The online archive edition of JAIC, Journal of the American Institute for Conservation. Volume 16, 1977 – volume 39, 2000. http://aic.stanford.edu/jaic

Purewal, Victoria. "An Investigation into the Composition of Botanical Wax Models with a View to Their Conservation," The National Museum and Gallery of Wales (NMGW), Cardiff Wales. SPNHC. The Society for the Preservation of Natural History Collections. Collection Forum, vol. 13, no 1 (Spring 1997) pp.11-19.

Rose, Carolyn L. and Amparo, W. de Torres., eds. <u>Storage of Natural History</u> Collections. <u>www.spnhc.org</u>.

Schultz, Arthur Warren and Adams, Robert McCormick. <u>Caring for your Collections</u>. New York: Harry Abrams, Inc., 1992.

The Society for the History of Natural History. www.shnh.org

SPNHC. The Society for the Preservation of Natural History Specimens. http://www.spnhc.org

UKIC United Kingdom Institute of Conservation. http://www.ukic.org.uk