

Twiggs, Wallace Cotton Manufacturing Collection, MC 374

Biographical Note

This material comes from the personal collection of Wallace Twiggs, who is a graduate of Georgia Institute of Technology in textiles and held various positions in management in the textile industry. His books on the history of textiles, weaving and carding date from the early 1900s. From 1988 until he retired, he was the Director of Product Administration & Central Sample Area for Swift Mills in Columbus, Georgia.

Scope and Content

This collection consists of 8 boxes of materials relating to the cotton industry, weaving, carding, looms and calculations. There are also many artifacts used in the cotton industry as well as samples of products made of Swift denim. Numerous books relating to the industry are included. 1910s-1980s 8 boxes (8 l.f.)

Permission to Publish

Permission to publish material from the Wallace Twiggs Cotton Manufacturing Collection (MC 374) must be obtained from the Columbus State University Archives at Columbus State University. Use of the following credit line for publication or exhibit is required:

Wallace Twiggs Cotton Manufacturing Collection (MC 374) Columbus State University Archives Columbus, Georgia

Provenance

These materials were given to the CSU Archives in September 2015 by Wallace Twiggs.

Note to Researchers

See also:

[MC 109 Mill Workers Oral Histories](#)

[MC 166 Bibb City Historical Collection](#)

[MC 197 John S. Lupold - "Textile Mills in Georgia"](#)

[MC 211 Bibb Manufacturing Co. Records](#)

[MC 225 Swift Manufacturing Collection](#)

Box and Folder List

Box 1

Folder 1: The ABC of Long Draft Spinning, 1931 Folder 2: Beam Warping, 1964 Folder 3: Carding Practices: Cotton and Synthetics, 1965 Folder 4: Cloth Calculations, 1965 Folder 5: Cloth Rooms, 1966 Folder 6: Cotton Combing, 1953 Folder 7: Cotton Mill Handbook; for Superintendents and Overseers in Cotton Yarn and Cloth Mills, 1922 Folder 8: Cotton Mill Machinery Calculations, v. 1 and 2, 1913 Folder 9: Cotton Mill Machinery Calculations, v. 2, 1913 Folder 10: Cotton

Mill Mathematics, 1938
 Folder 11: Cotton Slashing, 1941 parts 1 and 2
 Folder 12: Dobbies and Other Head Motions, 1966
 Folder 13: Draper Looms, parts 1, 2, 3, 1964
 Folder 14: Drawing Frames, parts 1 and 2, 1958
 Folder 15: Employee Relations, 1969
 Folder 16: Employment Practices, 1960
 Folder 17: Introduction to Textiles, 1955
 Folder 18: Loom Principles, 1958
 Folder 19: Contents of Denim binder on Indigo Dyeing

Box 2

Folder 1: Man-Made Fibers, 1956
 Folder 2: Mechanical Calculations, 1964
 Folder 3: Narrow Fabric Weaving, 1951
 Folder 4: One-Process Picking, 1957
 Folder 5: Opening and Cleaning, 1957
 Folder 6: Organized Training, parts 1 and 2, 1959
 Folder 7: Ring Frames, parts 1, 2, 3, 1949
 Folder 8: Roving Processes, 1957
 Folder 9: The Spinners' Handy Data Book
 Folder 10: Standard Method for Conversion of Yarn Number Measured in Various Numbering Systems, 1968
 Folder 11: The Story of Cotton (6 pamphlets)
 1. The Classification of Cotton, 1956
 2. Cotton and Cotton Futures, 1952
 3. The Story of Cotton, Its Journey into Textiles, Bibb Manufacturing (2 copies)
 4. The Story of Cotton, National Cotton Council of America
 5. The Story of Cotton, Bibb the First Name in Textiles
 Folder 12: Swift Unveils Denim Using Recycled Polyester and Recycled Soda Bottles, 1994
 Folder 13: Twisters, 1965
 Folder 14: Wallace Twiggs (Newspaper clippings)
 Folder 15: Weave Room Management, 1963 (2 copies)
 Folder 16: Weaving: Control of Fabric Structure, 1975
 Folder 17: Winding and Spooling, parts 1 and 2, 1961
 Folder 18: Wool, 1952
 Folder 19: Work Measurement, 1960
 Folder 20: Work Sampling, 1964
 Folder 21: Yankee Denim Dandies (proofs) 1974
 Folder 22: Yarn Calculations, 1959 (2 copies)

Box 3 - Artifacts

Item 1: Circular slide rule and the Periodic Table of the Elements in a plastic white sleeve
 Item 2: 3 metal scales or rulers in brown leather sheath
 Item 3: Humidity Slide rule, metal, made by Parks-Cramer Company
 Item 4: 2 metal micrometers, Dixie Bearings
 Item 5: Metal carding machine gauge made by Joseph Sykes Bros, Card Makers, England that went between the cylinders of a carding machine
 Item 6: Yarn Counts on a sliding scale
 Item 7: U.S. Metric Measurement Converter
 Item 8: Reference guide for moisture, pressure, capacities, strength
 Item 9: Lunometers-7-threads or courses per inch/centimeter
 Item 10: Pick glass-black metal (3) used to inspect warp and weft of weave
 Item 11: Reed hook (2), a tool for pulling broken yarn
 Item 12: Silver metal L shaped objects (4) numbered 7, 9, 10, 11
 Item 13: Shears for trimming loose threads
 Item 14: Hardness tester to determine hardness or density of fibers
 Item 15: Leather measuring tape
 Item 16: Small stiff brush made by the Atlanta Brush Co.

Box 4 - Artifacts

Item 1: Pressley Fiber-Strength Tester, Doebrich & Co.
 Item 2: T-shirt for Soda Pop denim - "First you drink it, then you wear it"
 Item 3: Denim ditty bag with Swift Textiles emblem
 Item 4: Denim duffle bag or tote bag with Swift Textiles emblem
 Item 5: Denim zippered cases (2) with Swift Textiles emblem
 Item 6: Folder cover: Denim Jamboree 1983
 Item 7: Denim 3 ring binder embossed with Swift Textiles
 The contents of binder are box 1, folder 19

Box 5 - Books

Callaway Textile Dictionary, 1st ed., 1947
 Fiber Microscopy, Heyn, 1954
 Clark's Weave Room Calculations, 2nd ed., 1926
 Mechanical Calculations, Staff, 1952
 Whiting Cotton Yarn Machinery, 1923

Box 6 - Books

Cotton Mill Mathematics (2 copies), Quigley and Smith, 1930
 Understanding Fabrics: From Fiber to Finished Cloth, Gioello, 1982
 Harris' Handbook of Textile Fibers, 1954
 Beyond Basic Textiles, Cohen, 1982
 Fabric Science, 5th ed., Pizzuto, 1987

Box 7 - Books

1 - Card Grinding in Theory and Practice, 7th ed
 2 - Sewing Performance & Methods Analysis, Stohlman, 1969
 3 - Fabric Defects, Goldberg, 1950
 4 - Handbook of Textile Testing and Quality Control, Grover, Hamby, 1960
 5 - Dobbies and Box Motions, Wenrich, 1951
 6 - Loom Principles, Reed, 1950
 7 - Industrial Training for Manual Operators, Seymour, 1954

- Man-Made Fibres formerly Artificial Fibers, Moncrieff, 19579 - 101 Weaves in 101 Fabrics, Pizzuto, 196110 - Yankee Denim Dandies, Fehr, 1974

Box 8 - Books

1 - Man-Made Fiber and Textile Dictionary, Celanese Corp, 19812 - Textile Mathematics, (2 copies) Quigley, Cox and Duke, Georgia Tech, 19743 - The Modern Textile Dictionary The, Linton, 19544 - The Basic Motions of MTM, Antis, Honeycutt, Koch, 1971 and 19635 - Textiles, 2nd ed., Hollen, Saddler, 19646 - Swirles Handbook of Basic Fabrics, 1962

Textile Tests for Cotton Manufacturing, 1907Note and Outline Supplementary to Textbooks used in the Textile School, 1937 *These two texts are temporarily unavailable.*

Oversized Artifact: Wooden Shuttle used in weaving for passing the thread of the weft between the threads of the warp
This oversized artifact is housed in the Special Collections Room