

# Jacocks, Henry Morgan, Papers

Henry Morgan Jacocks Papers

1898-1919



## Title Statement

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## Profile Description

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## Descriptive Summary

### Unit ID

Ms.1992.008

### Unit Date

1898-1919

### Language

The materials in the collection are in English.

### Abstract

This collection contains the papers of Henry Morgan Jacocks, graduate of Virginia Tech (class of 1900), assistant superintendent at Mathieson Alkali Works (Saltville, Virginia), independent businessman, and Virginia State Highway Department employee. Correspondence, trade catalogs, instructional booklets, blueprints, and drawings from Jacocks' years at Mathieson Alkali Works. Also includes a set of drafting standards for the Virginia Bridge and Iron Company and several photographs.

### Creator

Jacocks, Henry Morgan, 1878-1950

### Extent

2 Cubic Feet 2 boxes; 2 oversize

### Repository

Special Collections and University Archives, Virginia Tech

# Administrative Information

## Conditions Governing Access

The collection is open to research.

## Conditions Governing Reproduction and Use

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## Source of Acquisition

The Henry Morgan Jacocks Papers were donated to Special Collections in 1992.

Four additional photographs were donated in July 2014 by Matthew Kyle Jacocks, great-grandson of Henry Morgan Jacocks, B.S. Civil Engineering, 2007, M.S. Civil Engineering, emphasis in Construction, 2009.

## Processing Information

The processing, arrangement and description of the Henry Morgan Jacocks Papers commenced and was completed in December 2007. Earlier processing of the collection had been done in 1992. Additional description was completed in July 2017.

## Preferred Citation

Researchers wishing to cite this collection should include the following information: [identification of item], [box], [folder], Henry Morgan Jacocks Papers, 1898-1919, Ms1992-008, Special Collections and University Archives, Virginia Tech, Blacksburg, Va.

# Biographical Note

Henry Morgan Jacocks, son of Jonathan Henry and Mary Katherine Harrell Jacocks, was born in Durant's Neck, North Carolina on December 31, 1878. He graduated from Berkeley Military Institute in 1895 before attending Virginia Polytechnic Institute and State University. A general science student at Virginia Tech, Jacocks was president of the Thespian and German clubs, vice-president of the Maury Society and served as literary editor of the *Grey Jacket* and editor-in-chief of *The Bugle*. (A younger brother, Jonathan Wilbur Jacocks, also graduated from Virginia Tech in 1900.)

Together with his younger brother Jonathan Wilbur, Jacocks graduated from Virginia Tech in 1900. He was hired by the Mathieson Alkali Works in Saltville, Virginia as an assistant draftsman. During his 17-year career at Mathieson, Jacocks would eventually rise to the position of assistant superintendent.

Around 1919, Jacocks moved to Craddock, Virginia, where he worked briefly for the Portsmouth Cotton Oil Refining Company before establishing H. M. Jacocks and Company. Selling fuel, feed and fertilizer, the business closed in 1933, a victim of the Depression and a warehouse fire. Following the closure of his business, Jacocks worked for the Virginia State Highway Department before retiring in 1950. He died in an automobile accident on August 20 of that same year and is buried in Norfolk's Magnolia Cemetery.

# Scope and Content

This collection contains the papers of Henry Morgan Jacocks (1878-1950), graduate of Virginia Tech (class of 1900) and assistant superintendent of the Mathieson Alkali Works in Saltville, Virginia. The collection includes correspondence, operation notes, printed materials, blueprints, and photographs.

While Jacocks' papers contain a small selection of correspondence and records pertaining to Mathieson's operation, they largely consist of trade publications (both promotional and instructional). The catalogs promote steel products as well as various pieces of machinery and other products. The instructional materials consist of manuals for specific pieces of machinery as well as general technical publications. Within the collection is also a set of undated drafting standards for the Virginia Iron and Bridge Company (Roanoke, Virginia).

The papers also include a set of approximately two dozen blueprints and drawings, mostly for parts and machinery to be used at Mathieson. Except where otherwise noted, the drawings seem to have been completed in-house (a few were drawn by Jacocks himself). Among the drawings is a 1914 aerial view of Mathieson Alkali Works.

# Separated Material

The following works were transferred to the Rare Book Collection in 1992:

Missing Title

- Hawkins, N., *Indicator catechism : a practical treatise* (New York: Theo. Audel & Co., 1903)
- Moldenke, Richard, *The Principles of iron founding* (New York: McGraw-Hill, 1917)
- Schimpf, Henry W., *A Manual of volumetric analysis* (New York: John Wiley & Sons, 1909)
- Sexton, A Humboldt, *Producer gas : a sketch of the properties, manufacture, and uses of gaseous fuel* (Manchester: Scientific Publishing Company, n.d.)

The following works were transferred to the Rare Book Collection in 2007:

Missing Title

- American Water Works Association, *Standard specifications for cast iron water pipe and special castings : with tables of dimensions, thicknesses and weights, adopted May 12, 1908* ([S. l.: s.n., 1908]). (TD491 .A6 1908 Large Spec)
- Barr, William M., *Boilers and furnaces considered in their relations to steam engineering* (Philadelphia: The Florence Company, 1898). (TJ285 .B26 1898 Large Spec)
- Bell, Louis, *Electric power transmission : a practical treatise for practical men* (New York: Electrical World and Engineer, 1899). (TK1001 .B4 1899 Large Spec)
- Cincinnati Milling Machine Company, *Manufacturers of milling machines and cutter grinders* (Cincinnati: The Company, 1911). (TJ1190 .C5 1911)
- Cincinnati Milling Machine Company, *Tool room data : indexing; cutting spirals; the new Cincinnati universal dividing head; patented index arrangement* (Cincinnati, OH: Press of C. J. Krehbiel & Co., [1905]). (TJ1165 .c46 1905 Large Spec)
- Crucible Steel Company of America, *Sanderson Bros. Steel Works* (Pittsburgh, PA: Crucible Steel Company of America, 1911). (TS309 .C7 1911 Small Spec)
- Detroit Stoker and Foundry Company, *Detroit Stoker and Foundry Company : Detroit automatic stokers* ([Detroit, MI: The Company, 190-?]). (TJ345 .D4 1900 Small Spec)
- E. I. du Pont de Nemours Powder Company, *Du Pont farmer's handbook : instruction in the use of dynamite for clearing land, planting and cultivating trees, drainage, ditching and subsoiling* (Wilmington, DE: The Company, c1912)
- General Electric Company, *Transformer testing for central station managers* (Schenectady, NY: General Electric Company, 1900). (TK2551 .T75 1900 Small Spec)
- Gillespie, William M., *A Treatise on surveying : comprising the theory and the practice, pt. II: higher surveying* (New York: D. Appleton and Company, 1901) (TA454 .G55 1903 pt. 2 Large Spec)
- Hall, William S., *Elements of the differential and integral calculus with applications* (New York: Van Nostrand, 1897). (QA303 .H17 1897 Large Spec)
- H. Boker & Co., *Catalogue no. 1* (New York: Hermann Boker & Company), [ca. 1912]). (TS309 H4 1912 Large Spec)
- Halsey, Frederick A., *Slide valve gears : an explanation of the action and construction of plain and cut-off slide valves* (New York: D. Van Nostrand, 1899). (TJ545 .H2 1899 Small Spec)
- John A. Roebling's Sons Company, *Wire in electrical construction* (Trenton, NJ: Brandt Press, 1897). (TK3305 R7 1897 Small Spec)
- Johnson, J. B., *Engineering contracts and specifications : including a brief synopsis of the law of contracts and illustrative examples of the general and technical clauses of various kinds of engineering specifications, designed for the use of students, engineers, and contractors* (New York: Engineering News, 1901). (TA180 .J6 1901 Large Spec)
- Manly, Harold P., *Oxy-acetylene welding and cutting: electric, forge and thermit welding, together with related methods and materials used in metal working and the oxygen process for removal of carbon* (Chicago: F. J. Drake, 1916). (TS227 .M25 1916 Small Spec)
- *A Manual of the principal instruments used in American engineering and surveying*, 37th ed., rev. (Troy, NY: W. & L. E. Gurley, 1904). (TA581 .M36 37th (rev.) Small Spec)
- *A Manual of the principal instruments used in American engineering and surveying*, 45th ed. (Troy, NY: W. & L. E. Gurley, 1910). (TA581 M36 45th Small Spec)
- Midvale Steel and Ordnance Company, *List of steel and other products manufactured by Midvale Steel and Ordnance Company [and] Cambria Steel Company ...* (Philadelphia: The Company, 1918). (TS309 M53 1918 Small Spec)
- Thorp, Frank Hall, *Outlines of industrial chemistry : a text-book for students* (New York: Macmillan, 1898). (TP145 .T5 1898 Large Spec)
- Walker, Francis Amasa, *Political economy* (New York: Henry Holt and Company). (HB171 .W2 1888 Large Spec)

## Keywords

Local/Regional History and Appalachian South  
Science and Technology  
Students and alumni  
University History  
Virginia Agricultural and Mechanical College and Polytechnic Institute (1896-1944)

## Rights Statement for Archival Description

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## Arrangement

The collection is arranged by document type, then chronologically, with the exception of the printed materials. These are divided by function, with promotional materials arranged by corporation name and instructional materials arranged in bibliographical order.

## Description of Subordinate Components

### Correspondence

**Unit Date** 1906-1919

**box-folder** 1 (box)

**Container** 1 (folder)

### Equipment maintenance ledger

**Unit Date** 1918-1919

**box-folder** 1 (box)

**Container** 2 (folder)

### Operational notes

**Unit Date** 1917-1919, n.d.

**box-folder** 1 (box)

**Container** 3 (folder)

### "Virginia Bridge and Iron Company (Roanoke, Va.) - General rules and standards for draftsmen"

**Unit Date** n.d.

**box-folder** 1 (box)

**Container** 4 (folder)

### Photographs

**Unit Date** c.1898

**box-folder** 2 (box)

**Container** 13 (folder)

### Printed material: trade catalogs and promotional material

**Unit Date** 1896-1918, n.d.

### A-B

**box-folder** 1 (box)

**Container** 5 (folder)

**Barber and Kluttz, Architects**

**Unit Date** n.d.

**Basic Mineral Company**

**Unit Date** n.d.

**Beaumont Manufacturing Company**

**Unit Date** 1918

**Boston Gear Works**

**Unit Date** 1918

**Brown Engineering Company**

**Unit Date** n.d.

**Ca-Ch**

**box-folder** 1 (box)

**Container** 6 (folder)

**Chicago Pneumatic Tool Company**

**Unit Date** 1916-1918

**Ci-Cz**

**box-folder** 1 (box)

**Container** 7 (folder)

**Cleveland Twist Drill Company**

**Unit Date** 1918

**Crucible Steel Company of America**

**Unit Date** 1910-1916

**D-H**

**box-folder** 1 (box)

**Container** 8 (folder)

**The Fairbanks Company**

**Unit Date** n.d.

**Flextallic Gasket Company**

**Unit Date** n.d.

**H. Boker & Company**

**Unit Date** 1913-1914, n.d.

**I-J**

**box-folder** 1 (box)

**Container** 9 (folder)

**I. H. Dexter Company**

**Unit Date** 1915

**Industrial Press**

**Unit Date** 1907

**J. J. McCabe**

**Unit Date** n.d.

**Joseph Dixon Crucible Company**

**Unit Date** 1915-1916

**K-L**

**box-folder** 1 (box)

**Container** 10 (folder)

**Lagonda Manufacturing Company**

**Unit Date** n.d.

**Laidlaw-Dunn-Gordon Company**

**Unit Date** 1905

**Lawrence Machine Company**

**Unit Date** 1913

**M-N**

**box-folder** 2 (box)

**Container** 1 (folder)

**Mason Regulator Company**

**Unit Date** 1913

**Midvale Steel Company**

**Unit Date** 1912

**National Lead Company**

**Unit Date** n.d.

**O-R**

**box-folder** 2 (box)

**Container** 2 (folder)

**Peter A. Frasse & Company**

**Unit Date** 1917

**Risdon-Alcott Turbine Company**

**Unit Date** 1896, n.d.

**S**

**box-folder** 2 (box)

**Container** 3 (folder)

**S. Morgan Smith Company**

**Unit Date** 1911

## **T**

**box-folder** 2 (box)

**Container** 4 (folder)

### **Terry Steam Turbine Company**

**Unit Date** 1914, n.d.

### **Trumbour-Whitehead Brass & Copper Company**

**Unit Date** n.d.

## **U-Z**

**box-folder** 2 (box)

**Container** 5 (folder)

### **Warren Webster & Company**

**Unit Date** 1904

### **Westinghouse Air Brake Company**

**Unit Date** 1904-1907

### **Wm W. Nugent & Company**

**Unit Date** 1905

## **Printed material: instructional booklets and technical bulletins**

**Unit Date** 1896-1918

## **A**

**box-folder** 2 (box)

**Container** 6 (folder)

**"American pipe manual for engineers, contractors, water and gas works superintendents and all other users of cast iron pipe"**

**Unit Date** n.d.

## **B**

**box-folder** 2 (box)

**Container** 7 (folder)

**"The Blue book of rope transmission"**

**Unit Date** 1905

**"Book of instructions for installing and operating Dean boiler tube cleaner"**

**Unit Date** n.d.

## **C-H**

**box-folder** 2 (box)

**Container** 8 (folder)

**"Clay products for building construction"**

**Unit Date** c. 1916

**"Directions for installing and operating Morse silent running power chains"**

**Unit Date** c. 1917

**"Dont's [sic] for machinists and draftsmen"**

**Unit Date** 1907

**"Geodesy or measurement of the earth"**

**Unit Date** 1904

**"Gravity"**

**Unit Date** 1904

**"How to case-harden, color and anneal with granulated raw bone"**

**Unit Date** n.d.

**"How you may save money in operating your steam boilers"**

**Unit Date** 1916

## **I-L**

**box-folder** 2 (box)

**Container** 9 (folder)

**"'Imperial' type ten duplex steam driven air compressors: instructions for installing and operating"**

**Unit Date** 1915

**"Instructions for installing copes type "B-H" boiler feed regulator"**

**Unit Date** 1917

**"Instructions for operating, erecting, inspecting and repairing Green's economizers"**

**Unit Date** 1899

**"Instructions for the installation and operating of alternating current generators"**

**Unit Date** 1899

**"Instructions for valve gear adjustment for Hamilton Corliss engines"**

**Unit Date** 1912

## **M-Z**

**box-folder** 2 (box)

**Container** 10 (folder)

**Myers, David Moffat, "The Factory fuel problem"**

**Unit Date** n.d.

**"Power notes: a steam, mechanical and consulting engineer's paper"**

**Unit Date** 1919-05

**"Reference guide for users of tank cars"**

**Unit Date** 1910

**Scott, Charles F., "The Systems and apparatus used in power transmission"**

**Unit Date** 1898

**"Welding and cutting with oxy-acetylene process"**

**Unit Date** n.d.

### **General printed materials**

**Unit Date** 1898-1918

**Inorganic chemistry: instruction paper with examination questions**

**Unit Date** 1898

**box-folder** 2 (box)

**Container** 11 (folder)

**Lefax: ["a magazine of concentrated useful facts, self indexed and classified ready for filing"]**

**Unit Date** 1913-1918

**box-folder** 2 (box)

**Container** 12 (folder)

### **Oversize Materials**

**Unit Date** 1898-1919, n.d.

**Blueprints and drawings**

**Unit Date** 1898-1913

**folder** 1

**40-inch centrifugals (American Tool & Machine Company)**

**Unit Date** 1898

**Carbonating tower - division plate and mushroom**

**Unit Date** 1902

**Assembled elevation driving end**

**Unit Date** 1903

**9-inch loading conveyor bevel gears**

**Unit Date** 1903

**Philadelphia vacuum engine - 4-inch poppet discharge valve**

**Unit Date** 1903

**Rotary furnace - 6-foot 10 1/8-inch sprocket**

**Unit Date** 1903

**Lime kiln - section and elevation**

**Unit Date** 1904

**Morgan gas producer flues - valves between producers and main flue**

**Unit Date** 1905

**Rotary furnace - miter gears for feed screw**

**Unit Date** 1907

**Rotary furnace - gear and pinion for feed screw**

**Unit Date** 1907

**Traps - automatic drain**

**Unit Date** 1908

**Engine room traps, automatic diaphragm discharge**

**Unit Date** 1908

**Ammonia absorbing vat, assembled**

**Unit Date** 1909

**Lime kiln - assembled**

**Unit Date** 1909

**Bevel gear (Fawcus Machine Company)**

**Unit Date** 1910

**Spiral jaw clutch and thrust collar for McTear cooler drive**

**Unit Date** 1910

**Centrifugal pump, assembled**

**Unit Date** 1912

**Centrifugal pump - details of impeller**

**Unit Date** 1912

**Centrifugal pump - assembled 10 hp G. E. motor**

**Unit Date** 1913

**Rotary furnace-feed end assembly**

**Unit Date** 1913

**Blueprints and drawings**

**Unit Date** 1914-1919, n.d.

**folder** 2

**Mathieson Alkali Works (aerial view)**

**Unit Date** 1914

**Crushing plants (Hardaway Contracting Company)**

**Unit Date** 1914

**Distillers - detail of cast iron pedestal**

**Unit Date** 1915

**Caustic plant - plan and elevations of evaporators and condensers**

**Unit Date** 1916

**6 x 6 Type A engine (American Blower Works)**

**Unit Date** 1916

**Rotary furnace - gas inlet piping with valve rig and connections**

**Unit Date** 1917

**Water supply - plan and elevation of piping and centrifugal pumps**

**Unit Date** 1917

**Gas producer plant - details C. I. valve, exp. door, manhole and C.**

**Unit Date** 1917

**Gas producer - plan and elevation Wickes boiler**

**Unit Date** 1917

**Rotary furnace - drivers to coolers, elevators, and conveyors**

**Unit Date** 1917

**N. P. C. 87**

**Unit Date** 1917

**Victor vertical engine assembly (Erie Engine Works)**

**Unit Date** 1917

**Mud distiller - assembled**

**Unit Date** 1918

**Forged steel evener with renewal cap 10 producer gas machine**

**Unit Date** 1919

**Plant lime slakers - details "log washer slaker"**

**Unit Date** 1919

**Milk of lime de-sander**

**Unit Date** 1919

**Milk of lime de-sander (revised)**

**Unit Date** 1919

**Pinion for Dorr decanters**

**Unit Date** n.d.