

MG-23

ARTHUR C. BINING COLLECTION

Ca. 1898-1955

Arthur C. Bining (b. 1893), professor of History at the University of Pennsylvania in Philadelphia, wrote articles and two books on iron and steel manufacturing. Among his writings are History of the Iron and Steel Industry in the United States, Pennsylvania Iron Manufacture in the Eighteenth Century and "The Rise of Iron Manufacture in Western Pennsylvania." Source: Directory of American Scholars, 3rd edition, p. 63.

The collection includes manuscripts of some of his writings and research materials such as notes, photographs, clippings, and bibliographical references on the development of the iron and steel industry, particularly in Pennsylvania.

MG 23

ARTHUR C. BINING COLLECTION

(Early Penna. Iron Industry)

ca. 1898-1955

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	<u>Folders</u>	<u>Box</u>
1. Typewritten manuscripts (with carbon copies) of three probable chapters in Bining's <u>A History of the American Iron and Steel Industry</u> (may have been retitled <u>The American Pageant of Iron and Steel</u> ).	1	1
2. (a) Carbon copies of typewritten manuscripts of seven articles by Bining: four articles published in <u>Steelways</u> , 1954-1955; two articles apparently prepared for <u>Steelways</u> ; and an article prepared for Dr. S. K. Stevens, 1955.		
(b) Carbon copies of two lists of books & other published writings by Bining (published between 1931 & 1954); one of the lists also includes books not yet completed.	1	
3. Proof of article in <u>Steelways</u> , Aug. 1954: "Ironmen in Quest of Steel" by Bining.	1	
4. Carbon copy of article by Alfred Gemmell on Hampton Furnace (first page missing).	1	
5. Printed set of diagrams titled "Development of the Anthracite Blast Furnace" (may belong with one of the manuscripts in no. 1 or 2a).	1	
6. Four notebooks containing rough notes, bibliographical references, etc.	1	
7. Ten notebooks containing material on the iron & steel industry copied during a trip to England & Wales: rough drafts, notes from books & magazine articles, etc. (some notebooks indexed).	1	
0283 8. Note cards ("Dr. Bining's notes")		2
(a) Handwritten notes, "Bibliography of the Pennsylvania Iron Industry 1800-1865" (marked "Ready to be typed")- listing books, magazine articles, etc.	1	
(b) "Bining's Bibliography Notes" (typed)- listing ledgers, journals, pig iron books, etc. for Berkshire Furnace, Castle Fin Works, Charming Forge, & Colebrook Furnace.	1	

Folders    Box

- (c) Bibliographical & informational notes on 18th century furnaces, apparently prepared for Appendix A of Bining's Pennsylvania Iron Manufactures in the Eighteenth Century (furnaces arranged by counties & dates of construction by R. A. Battis). 1
- (d) Bibliographical & informational notes on a number of integrated iron works built in Penna. between 1800 & 1860 - cards arranged by districts, counties & dates of establishment. 1
- (e) Bibliographical & informational notes on:
  - (1) foundries, arranged by districts 1
  - (2) iron fabricators & steel works in Penna., each arranged in order of establishment
  - (3) rolling mills, arranged by districts

(Districts are Lehigh, Schuylkill, Lower Susquehanna, Upper Susquehanna & Western) 1

  - (4) forges, arranged by districts 1
  - (5) Anthracite furnaces, arranged by districts, counties & dates of construction 1
  - (6) Charcoal furnaces, arranged same as no. 5; 1
  - (7) coke & raw coal, arranged by counties & dates of construction 1

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- 9. Miscellaneous items: circulars, brochures, diagrams, photographs, clippings from magazine & newspaper articles, etc. dealing with various phases of the iron & steel industry, past & present, 1898-1953 & undated; also, letters to Bining from R. V. Hutelnus (?), General Motors Corp., 1944, & Alfred Gemmill, Allentown, 1948. (Folder marked "Manuscripts.") 1

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- 10. Three albums containing unprinted photographs & a few post cards showing iron & steel operations (at least some of which were outside Penna.) 3
- 11. Typed and handwritten drafts of several chapters for Bining's Pennsylvania Iron Manufacture, 1800-1865; also, typed outline listing nine chapters. 2
- 12. Letters to Bining from George W. Schultz (4 letters) and one letter from Frank W. Melvin - all dated 1937 1

## 13. Bining Collection of Photographs

PENNSYLVANIAFolders    Box

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<u>Subject</u>	<u>Place</u>	<u>County</u>	<u>Folders</u>	<u>Box</u>
Dalle Furnace	Bally	Berks	1	5
Nittany Furnace	Bellefonte	Centre		(end)
Windsor Furnace		Berks		
Bethlehem Steel Co.	Bethlehem	Northampton		
Residence of William Bird	Birdsboro	Berks		
Front plate of Stove	Cornwall	Lebanon		
Old Charcoal Furnace	"	"		
Revolutionary Cannon and shot	"	"		
Blast Furnace Plant	Clairton	Allegheny		
Furnace	Carlisle	Cumberland		
Stoveplate	"	"		
Carnegie Steel Co.	Carnegie	Allegheny		
Duchesne Plant #2 Furnace				
Ore, Coke, & Limestone Bins				
Delaware River Steel Co.	Chester	Delaware		
Worth Steel Co. #3 Furnace	Coatesville	Chester		
Stoveplate	Colebrookdale	Berks		
Jacob's Creek	Connellsville	Fayette		
American Steel & Wire	Donora	Washington		
Franklin	Doylestown	Bucks		
Andirons	Museum			
"Another Like Me"	"	"		
Brass Knobs & designs	"	"		
on stove				
Dunbar Furnace	Dunbar	Fayette		
Durham Furnace	Easton	Northampton		
Old Glendon Furnace	"	"		
Zinc Furnace	Hazard	Carbon		
Furnace	Hopewell	Bedford		
Mansion	"	"		
Village Street	"	"		
Washing Ore	"	"		
Kittanning Iron & Steel	Kittanning	Armstrong		
Manufacturing Co.				
Road to	Laurel	Chester		
Lebanon Furnace	Lebanon	Lebanon		
Lehigh Canal & general view				
of Crane Iron Works	Lehigh	Lackawanna		
Macungie Furnace	Macungie	Lehigh		
Charcoal storage house	Manheim	Lancaster		
Coleman Gardens	"	"		
Mansion of H. W. Stiegel	"	"		
Residence of Robert Coleman	"	"		
Stoveplate	"	"		
National Tube	McKeesport	Allegheny		
Hecla Furnace	Milesburg	Centre		
Three sites of furnace in	"	"		

<u>Subject</u>	<u>Place</u>	<u>County</u>	
Blast Furnace	Monongahela	Washington	
Four Furnace	"	"	
Eliza Furnace Ore Yards	"	"	
Ore Yards, Trestles, Connecting bridges	"	"	
Hot Metal Card	"	"	
Fireplace	Morrisville	Bucks	
Fireplace in Washington's Headquarters	"	"	
Republic Iron & Steel Co.	New Castle	Lawrence	
Cannon Stove	Philadelphia	Philadelphia	
Fireplace, Franklin	"	"	
Wall at Southwark Postal Station lobby	"	"	
Mansion	Pine Forge	Berks	
Oldest Building	"	"	
Stream	"	"	
Pine Grove Furnace	Pine Grove	Cumberland	
Schuylkill Iron Co.	Port Carbon	Schuylkill	
Warrick Iron & Steel Co.	Pottstown	Montgomery	
Pioneer Furnaces	Pottsville	Schuylkill	
Stoveplate	Reading	Berks	
Sally Ann Furnace	"	"	
" " "	"	"	
Mansion house & store	"	"	
Henry Clay Furnace	"	"	
Book - The Robesonia Iron Company, Limited	Robesonia	Berks	1
Cornwall Ore Bank	"	"	
Furnace & Grounds	"	"	
Robesonia Furnace & Mansion house	"	"	
Steward Iron Co.	Sharon	Mercer	
* Shenango Furnace	Sharpsville	"	
High Blast furnace	Sheridan	Lebanon or Schuylkill	
Topton Furnace	Topton	Berks	
Valley Forge	Valley Forge	Chester	
Warrick Furnace, Mansion House	Warrick		
Workman's houses	Womelsdorf	Berks	
"Charming Forge"	"	"	
Codorus Furnace	York	York	
Stoveplate - Mary Ann Furnace	"	"	
Brown Patent Furnace-Hoist	-----		

ALABAMA

Furnace #1-2	Bessemer		1
* Youngstown Iron & Sheet & Tube	Sharpsville	Mercer	

<u>Subject</u>	<u>Place</u>	<u>Folders</u>
Alabama Consolidated Coal & Iron Co.	Birmingham	
Interior Cast House	"	
Ensley Furnace	"	
Ensley Furnace (Pig Bed & Cast Hse.)	"	
Mary Pratt Furnace	"	
Sloss Furnace	"	
4152 Sloss Furnace	"	
Sloss-Sheffield Steel & Iron Co. Furnace	North Birmingham Ensley	
Ensley & Eureka Furnaces	Ensley & Oxmoor	
The Tennessee Coal, Iron & Railroad Co. (Works of)	"	
A. & J. Furnace	Sheffield	
Three Furnaces	"	
Shelby Iron Co.	Thomas	
Woodward Furnace	Woodward	
Woodward Iron Co.	"	
Gadsden Furnaces	-----	
 <u>CONNECTICUT</u>		
Beckley, or Canaan No. 2 Furnace	E. Canaan	1
 <u>GEORGIA</u>		
Cherokee Iron Furnace	Cedartown	
Rising Fawn Furnace	Rising Fawn	
 <u>ILLINOIS</u>		
Carnegie-Illinois Steel Corp.	Chicago	
Illinois Steel Co.	South Chicago	
Iroquoise Iron Co.	" "	
 <u>KENTUCKY</u>		
Watts Iron & Steel Plant	Middlesborough	
 <u>MARYLAND</u>		
-----	Miurkirk	
 <u>MASSACHUSETTS</u>		
Richmond Iron Works	Richmond Furnace	
 <u>NEW HAMPSHIRE</u>		
The Old Stack	Franconia	

<u>NEW JERSEY</u>		<u>Place</u>	<u>Folders</u>
<u>Subject</u>			
The New Furnace		Oxford	1
Cobb Furnace		Split Rock Pond	
Hanover Furnace		-----	
Stoves from Atsion Iron Works Mill		-----	
The Thomas Iron Co. - Hakendauqua Plant		-----	
<u>NEW YORK</u>			
Maitly or Phoenix Furnace		Niullerton	
<u>NORTH CAROLINA</u>			
North Carolina Steel & Iron Co.		Greensboro	
<u>OHIO</u>			
Lincoln Furnace		-----	1
Buckeye Furnace		Jackson County	
Center Furnace		Lawrence County	
Olive Furnace		" "	
Pioneer Furnace		" "	
Vasuvius Furnace		" "	
Carnegie Steel Co.		Niles	
LaBelle Iron Works		Steubenville	
Carnegie Lorre B.		Youngstown	
Ohio Hire Co.		"	
Youngstown Sheet & Tube Co.		"	
<u>VIRGINIA</u>			
The Old Forge & Cliff		Clifton Forge	1
Victoria Furnace		Goshen	
Graham Furnace		Graham	
Puloski Iron Co.		Puloski	
Catawba Furnace		Roanoke	
Shenandoah Furnace		Shenandoah	
A Virginia Iron Furnace		-----	
<u>WEST VIRGINIA</u>			
Old Furnace		Morgantown	
<u>AUSTRALIA</u>			
Blast Furnace & Steel works		New Castle	

	<u>Folders</u>
Copies of paintings from Bettman Archives, New York City	1
Early Forge pictures & photographs	1
Miscellaneous pictures & photographs	1
Photographs - Potts                      Anna & Jn <sup>o</sup>	1
Unidentified pictures & photographs	3

GM-0284

The Robeson Iron Company, Limited  
1793-1918

(Removed from box 5 due to "crowded"

1 volume  
Case,  
within 1  
folder  
next to box 5