

OVERVIEW OF THE COLLECTION

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Title: Warshaw Collection of Business Americana: Business Ephemera: **Metals**

Scope and Content: This collection consists primarily of materials related to the smelting, alloying, manufacturing, distribution, and sale of metals and metal products. Processed metal products covered by the collection include machine tools, dies, and factory equipment; railroad and aircraft parts; metal ceilings and other architectural components, such as columns and grille work; and other items, such as safes and strongboxes. Also covered are brokerage and other firms which operate in the metals market. Types of metals mentioned in the collection include iron, steel, nickel, copper, bronze, gold, tin, lead, and aluminum, as well as various alloys. The collection's materials consist mainly of trade literature, such as catalogs and brochures, as well as correspondence, business cards, customs documents, invoices, order forms, patents, scientific papers and reports, market notices, and industry newsletters. The date span for the collection is 1819-1966, though there is only one item which is older than 1850, and few later than 1950; the bulk of the collection covers the years c1870-c1930. Most firms and other organizations represented in the collection are located in American industrial areas east of the Mississippi, especially New York, Pennsylvania, Ohio, and Illinois. A few items are of foreign origin or from other regions of the United States.

Series 1, Companies and Firms in the Metals Industry, 1819-1966, undated, includes brochures, catalogs, and other forms of trade literature, as well as correspondence, bills, business cards, flyers, circulars, order forms, and other paper matter related to companies engaged in the smelting, alloying, processing, manufacturing, distribution, and sale of metals and metal products. Bulk dates for the series are c1860-c1920. The series is arranged in alphabetical order by company name.

Series 2, Organizations and Associations in the Metals Industry, 1919-1966, undated, includes pamphlets, letters, reports, and other items produced by, or relating to, professional organizations or other groups existing in the metals industry, such as the American Society of Metals or the Metal Lath Manufacturers Association. Bulk dates for the series are c1910-c1930s. The material is arranged in alphabetical order by organization name.

Series 3, General Information Relating to the Metals Industry, 1862-1919; undated, contains a variety of printed matter concerning the metals industry, including import/export documents and customs forms, patents, caricatures of important figures in the trade, news clippings, and a few images. Bulk dates for the series are c1880s-c1900s. It is arranged in alphabetical order by type of material.

Series 4, Publications, 1878-1946, undated, includes publications relating to the metals industry, such as scientific reports and papers, investment prospecta, advertisements for

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new journals and books, and reference guides to various aspects of metal manufacturing or processing. Bulk dates for the series are c1890s-1910, and it is arranged alphabetically by type of publication.

CONTAINER LISTING

Box	Folder	Series 1, Companies and Firms in the Metals Industry, 1819-1966
1	1	Abbott, A. V. New York, New York [1886]
37	6	Abbott, Jere. & Co. New York, New York [1881]
1	2	Ajax Metal Co. Philadelphia, Pennsylvania [1904, 1908, 1910, 1912]
	3	American Copper Warehouse Philadelphia, Pennsylvania [1819]
	4	American Metaline Co. New York, New York [1874-1875]
	5	American Nickeloid Co. Peru, Illinois [c1950s]
	6	American Oxide Bronze Co. Philadelphia, Pennsylvania [1883]
	7	American Roll Gold Leaf Co. Providence, Rhode Island [1914]
	8	American Sheet & Boiler Plate Co. Cleveland, Ohio [1872]
	9	American Tool Steel Co. Brooklyn, New York [1868, 1870]
	10	Ansonia Brass & Copper Co. New York, New York [1889]
	11	Athol Machine Co. Athol, Massachusetts [1876]
	12	Atlas Metal Works Dallas, Texas [n.d.]
	13	Atwood, Wilson & Co. Rutland, Vermont [n.d.]
	14	Bagnall & Loud Boston, Massachusetts [c1870s]
	15	Baker & Co. Newark, New Jersey [1903, undated]
	16	Baker, Stiles & Co. New York, New York [c1870s]
	17	Barnum Richardson & Co. East Canaan, Connecticut [1891]
37	6	Bassett-Presley Co.

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		Cleveland, Ohio [n.d.]
1	18	Bayonne Casting Co. Bayonne, New Jersey [1917-1919?]
	19	Beckley Perforating Co. Garwood, New Jersey [1915]
	20	Benson, Alexander R. Co. Hudson, New York [1915]
	21	Berger Mfg. Co. New York, New York [n.d.] Bethlehem Spelter Works Philadelphia, Pennsylvania [1862]
	22	Biermann's Metall-Industrie Hannover, Germany [1883, 1885] Biggs, F. D. & Co. New York, New York [n.d.]
	23	Birkenstein, S. & Sons Chicago, Illinois [1908] Bishop, J & Co. Platinum Works Malvern, Pennsylvania [1914]
	24	Blaisdell, P. & Co. Worcester, Massachusetts [1886]
	25	Boston Machine Works Lynn, Massachusetts [n.d.]
	26	Boston Metal Ceiling & Mfg. Co. Boston, Massachusetts [n.d.]
	27	Brier Hill Iron & Coal Co. Youngstown, Ohio [1879]
	28	Bronze Powder Works New York, New York [1901]
37	6	Bronze Powder Works Roth, Germany [1901]
1	29	Brown & Sharpe Mfg. Co. Providence, Rhode Island [1871]
	30	Brown-Wales Co. Boston, Massachusetts [1904, n.d.]
	31	Bruce & Cook New York, New York [1866, 1868, 1914?]
	32	Buffalo Expanded Metal Co. Buffalo, New York [1900]
	33	Bulldog Specialty Co. South Bend, Indiana [1911, n.d.]
	34	Bunting, Bean & Co. New York, New York [1857] Bunting, Lyman & Co.

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		New York, New York [1860]
	35	Burleigh, H.G. & Bro. Ticonderoga, New York [1869] Byrne, Joseph (Broker) New York, New York [1859]
	36	Cary & Moen New York, New York [1888]
	37	Caswell & Perkins New York, New York [1857, 1859, 1861, 1863, n.d.]
	38	Chapin Machine Co. Pine Meadow, Connecticut [n.d.]
	39	Chase Creek Copper Co. Salt Lake City, Utah [1903] Chicago Flexible Shaft Co. Chicago, Illinois [n.d.]
	40	Chrome Steel Co. Brooklyn, New York [1871-1872, 1875, 1878]
	41	Clark & Kennett Metals St. Louis, Missouri [1878] Clark, W.J. & Co. Salem, Ohio [n.d.]
	42	City Iron & Brass Foundry Philadelphia, Pennsylvania [1865]
	43	Coddington, T.B. & Co. New York, New York [c1871]
	44	Coe, W.H. Mfg. Co. Providence, Rhode Island [1905, 1910, 1912, 1927]
	45	Columbia Machine Works & Malleable Iron Co. Brooklyn, New York [1918]
	46	Columbia Metal Box Co. New York, New York [1938]
	47	Columbia Smelting & Refining Works New York, New York [1915]
	48	Comstock & Wing Nickel Works Chicago, Illinois [1891]
	49	Consolidated Kansas City Smelting & Refining Co. Kansas City, Missouri [?] [1892, 1896]
37	6	Consolidated Kansas City Smelting & Refining Co. Kansas City, Missouri [1889]
1	50	Co-operative Roll Gold Leaf Co. New York, New York [c1910s]
	51	Cortland Specialty Co. Cortland, New York [1905] Corbett, John A.

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		n.1. [1859]
	52	Courtis, William M. Wynadotte, Michigan [1879]
	53	Crandall Packing Co. Palmyra, New York [1915]
	54	Crocker Bros. New York, New York [1877]
	55	Cross, D.E. Lynn, Massachusetts [n.d.]
	56	Deans & Bagnall Boston, Massachusetts [1863]
	57	Drown, Thomas M. Philadelphia, Pennsylvania [1872]
	58	Du-Plaine & Co. Tubal-Cain Metal Works Philadelphia, Pennsylvania [1877, 1880]
	59	Egan & Bowes Chicago, Illinois [1875]
	60	Elkins Mfg. & Gas Co. Philadelphia, Pennsylvania [1881]
	61	Empire Brass Works New York, New York [n.d.]
	62	Empire Metal Co. Syracuse, New York [1910, 1912-1915]
	63	Erdle Perforating Co. Rochester, New York [1913]
37	6	Expanded Metal Engineering Co. New York, New York [n.d.]
1	64	Farmer, James E. New Haven, Connecticut [n.d.]
	65	Farrar & Follett Boston, Massachusetts [n.d.]
	66	Fishkill Landing Machine Co. Dutchess County, New York [1855]
	67	Fitts, Frank E. Mfg. & Supply Co. Boston, Massachusetts [n.d.]
	68	Forest River Lead Co. Salem, Massachusetts [n.d.]
	69	Frictionless Metal Co. Richmond, Virginia [1902, 1903, c1907, 1915-1916]
	70	Fuller, Dana & Fitz Boston, Massachusetts [1872, n.d.]
	71	Garlock Packing Co. Palmyra, New York [1889, 1893, 1901]
	72	Geisenheimer & Co.

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		New York, New York [1894]
73		General Alloys Co. Boston, Massachusetts [1964]
74		Gilmond, E..E. Manufacturing Co. New Haven, Connecticut [n.d.]
75		Gisholt Machine Co. n.l. [c1910]
76		Grenfell, Pascoe & Sons Copper & Yellow Metal Warehouse Nova Scotia, Canada [n.d.]
77		Hains, Henry & Co Philadelphia, Pennsylvania [n.d.]
78		Halbe, John L. Philadelphia, Pennsylvania [1877]
79		Hardy, William A. Fitchburg, Massachusetts [n.d.]
80		Hess, Julius & Co. Chicago, Illinois [1914?]
81		Highland Electro-Chemical Manufacturing Co. Connellsville, Pennsylvania [1911]
82		Hollis & Woods Boston, Massachusetts [1864]
83		Holmes, Booth & Haydens New York, New York [1867]
84		Holyoke Machine Co. Holyoke, Massachusetts [1886]
85		Homogold & Homosilver Manufacturing Co. New York, New York [1862]
86		Hook, H.W. Smelter Philadelphia, Pennsylvania [1865-1866]
87		Hooks Smelting Co. [successor to H.W. Hook Smelter] Philadelphia, Pennsylvania [1870, 1885, n.d.]
88		Hoyt Metal Co. St. Louis, Missouri [1886, 1888] Howard & Brother n.l. [1856]
89		Hubbard & Haskell Erie, Pennsylvania [1889]
90		Hunneman & Co. Boston, Massachusetts [1855]
91		Hussey, Wells & Co. Boston, Massachusetts [n.d.]
92		International Nickel Co. New York, New York [1947, c1953, 1953-1954]
93		Illinois Smelting & Refining Co.

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		Chicago, Illinois [1908]
	94	Jersey City Smelting Works Jersey City, New Jersey [1886, 1888-1889]
	95	Johns-Manville, H.W. Co. Boston, Massachusetts [1911]
	96	Joy & Seliger Co. Newark, New Jersey [1893]
2	1	Kendall & Flick Elkton, Virginia [1902]
	2	Keystone Lead & Zinc Co. Joplin, Missouri [1899]
	3	Keystone Smelting Works & Brass Foundry Philadelphia, Pennsylvania [1875, 1877, 1879]
	4	Köhler & Co. Fuerth, Bavaria & Chicago, Illinois [n.d.]
	5	Lawrence Metal Products Lynbrook, New York [1965]
	6	Lazell, Perkins & Co. Bridgewater, Massachusetts [n.d.]
	7	Leadite Co., Inc. Philadelphia, Pennsylvania [c1912]
	8	Levett, Walker Co. New York, New York [c1923]
	9	Lippincott, C.K. & Co. Philadelphia, Pennsylvania [1877]
	10	Lisle Corp. Clarinda, Iowa [1944]
	11	Longman, Robert Sweep Smelter & Refiner Brooklyn, New York [n.d.]
	12	Lubricating Metal Co. New York, New York [1914]
	13	Lumen Bearing Co. Buffalo, New York & Toronto, Canada [1909-1910]
37	6	Magnolia Anti-Friction Metal Co. New York, New York [c1889]
2	14	Magnolia Metal Co. New York, New York [1902-1903, 1905, 1910, 1927, n.d.]
	15	Magnus Chemical Co. Garwood, New Jersey [1930] Malleable Nickel Alloy Co. New York, New York [1879] May & Co. Boston, Massachusetts [n.d.]
	16	McGalliard, Anderson & Jones

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		Trenton, New Jersey [1875]
17		Meierjohan-Wengler, Inc. Cincinnati, Ohio [1966]
18		Merchant & Co. Philadelphia, Pennsylvania [1873-1874, 1876, c1892]
19		Metal & Alloy Specialties Co. Buffalo, New York [1945]
20		Metallizing Company of America Chicago, Illinois [1941]
21		Metallizing Engineering Co. Long Island City, New York [1942, 1945, 1952]
22		Meyer & Wenthe Chicago, Illinois [1920]
23		Micromatic Hone Corp. Detroit, Michigan [1942, n.d.]
24		Minnesota Mining & Manufacturing (3M) St. Paul, Minnesota [1944-1945, n.d.]
25		More-Jones Brass & Metal Co. St. Louis, Missouri [n.d.]
26		Morton Tin Plate Co. Cambridge, Ohio [n.d.] Moulton, Cate & Co. Dover, New Hampshire [1887] Mowry & Phillips Boston, Massachusetts [1872]
27		Nassau Smelting & Refining Works New York, New York [1896, n.d.] National Malleable Castings Co. Cleveland, Ohio [1902]
28		Nes Silicon Steel Co. Rome, New York [1872] Neumann, Joseph Co. Philadelphia, Pennsylvania [1888-1889]
29		New York Metal Ceiling Co. New York, New York [n.d.]
30		New York Metallurgical Works New York, New York [1885, 1887-1889]
31		North American Smelting Co. Philadelphia, Pennsylvania [1866-1869, 1871, 1878-1879, n.d]
32		Ohio Brass Co. Mansfield, Ohio [1954]
33		Olson & Marggraf, Inc. Mineola, New York [1927]
34		Ott, George F. "Progress" Copper, Brass & Iron Works

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		Philadelphia, Pennsylvania [1888-1889]
35		Patent Metal Co. Philadelphia, Pennsylvania [1880] Paulson, Henry & Co. Chicago, Illinois [c1924] Paxton Rolling Mills Harrisburg, Pennsylvania [1874, 1880]
36		Penn Metal Ceiling & Roofing Co. Boston, Massachusetts & Philadelphia, Pennsylvania [n.d.] Penn Metal Corp. Philadelphia, Pennsylvania [n.d.] Pennsylvania Steel Co. Steelton, Pennsylvania [c1900]
37		Periolat Co. Chicago, Illinois [1889] Phelps, Dodge & Co. New York, New York [1882]
38		Philadelphia Smelting Co. Philadelphia, Pennsylvania [1877-1878]
39		Philadelphia Smelting Works Philadelphia, Pennsylvania [1897-1899]
40		Phosphor-Bronze Smelting Co. Philadelphia, Pennsylvania [1879, 1883, 1887-1888, 1892, 1898-1899, 1907-1908, 1910, 1912, 1915]
41		Pike, John Boston, Massachusetts [n.d.] Pittsburgh White Metal Co. New York, New York [1913]
42		Pope, Thos. J & Bro. New York, New York [1861, 1867, 1874]
43		Pope, W.C. & Co. Boston, Massachusetts [n.d.] Porter, J.B. & Co. Cincinnati, Ohio [1883]
44		Priest, Henry A. & Co. Boston, Massachusetts [n.d.] Pritchard & Clark Philadelphia, Pennsylvania [1865] Purves, A. & Son Philadelphia, Pennsylvania [1880]
45		Quincy, John W. & Co. [successor to Quincy & Delapierre] New York, New York [1851-1852, 1858-1859, 1870, n.d.]
46		Raynor, H.M. New York, New York [1882] Reeves, Paul & Son Tubal Smelting Works

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		Philadelphia, Pennsylvania [1898]
47		Reuben, S. & Bro. New York, New York [1908] Revere Copper Co. Boston, Massachusetts [1856, 1858]
48		Richards & Co. Boston, Massachusetts [1856-1858, 1895] Righter, Peter Newark, New Jersey [1870] Rinehart & Breyer Economical Smelting Works Philadelphia, Pennsylvania [1872]
49		Rising Sun Smelting & Refining Co. Philadelphia, Pennsylvania [1873] Robson Smelting Co. Buffalo, New York [1908] Rochester Can Co. Rochester, New York [1914]
50		Rochester Iron & Metal Co. Rochester, New York [1915] Rochester Lead Works Rochester, New York [1911] Rochester Stamping Works Rochester, New York [1895] Roebing, John A.'s Sons Co. New York, New York [1881]
51		Rogers-Shear Co. Warren, Pennsylvania [n.d.] Russell, J. & Co. Holyoke, Massachusetts [n.d.]
52		Schmidt, J.W. & Co. New York, New York [1861] Schmidt, K. & Co. New York, New York [c1880s] Schultz Belting Co. Philadelphia, Pennsylvania [1888] Seavey, J. Herbert Dover, New Hampshire [1884] Sellers, William & Co. Philadelphia, Pennsylvania [1888]
53		Smith, L.L. Nickel Plater New York, New York [n.d.] Smith, M.V. Practical Metallurgist St. Louis, Missouri [1876] South Pueblo Machinery Co. South Pueblo, Colorado [1881]

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	54	Standard Metal Co. New York, New York [1875] Standard Smelting Works Philadelphia, Pennsylvania [1881] Star Metal Co. New York, New York [1866] Stiles & Parker Press Co. Middletown, Connecticut [1855]
	55	Stillman White Providence, Rhode Island [n.d.] Stimpson, Edwin Co. New York, New York [1913, n.d.]
	56	Stokes & Brother New York, New York [1854] Stranghe [?] Manufacturing Co. Buffalo, New York [n.d.] Stratton & Bragg Co. Petersburg, Virginia [c1900s] Stroud, E.H. & Co. Chicago, Illinois & New York, New York [1898]
	57	Sunbeam Corp. Chicago, Illinois [1954]
3	1	Tanner & Delaney Engine Co. Richmond, Virginia [1886] Tatham & Brothers Philadelphia, Pennsylvania [1874]
	2	Taylor, N & G Co. Philadelphia, Pennsylvania [1868, 1885, 1894] Taylor, Robert & Co. Philadelphia, Pennsylvania [n.d.]
	3	Thurber's Excelsior Anti-Friction Metals Var. loc. [c1860s, 1869, c1870s, n.d.]
	4	Tickle, Arthur Engineering Works New York, New York [1934] Titanium Bronze Co. Niagara Falls, New York [1917, c1910s]
	5	Todd Scientific Co. Springfield, Pennsylvania [c1950s] Truss Metal Lathe Co. New York, New York [n.d.]
	6	Tubal Cain Metal Works Philadelphia, Pennsylvania [n.d.] Tubal Smelting Works Philadelphia, Pennsylvania [1878, 1880] Tuerk Hydraulic Power Co.

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		Chicago, Illinois [n.d.]
	7	Tyng, T.M., Commission Merchant New York, New York [1874]
	8	Union Metal Manufacturing Co. Canton, Ohio [n.d.] United States Cycle Fitting Co. New York, New York [n.d.]
	9	United States Metal Reduction Co. Seattle, Washington [n.d.] United States Metallic Spring Packing Co. Boston, Massachusetts [c1874] United States Nickel Co. n.l. [c1880s] United States Ore-Separating Co. New York, New York [1882]
	10	United States Smelting Co. Philadelphia, Pennsylvania [1881] Universal Co. New York, New York [n.d.]
	11	Vanadium Co. New York, New York [1907] Vanfleet, John Philadelphia, Pennsylvania [1867] Varney, D.B. Manchester, New Hampshire [1870, 1873]
	12	Warden, Humphrey & Dodge Concord, New Hampshire [187?] Weber, Adam, Assay Muffles New York, New York [n.d.] Weill & Kramer New York, New York [n.d.] Weimer Machine Works Co. Lebanon, Pennsylvania [1884]
	13	Westervelt, A.B. & W.T. New York, New York [1882] Wetherill Spelter Furnaces Bethlehem, Pennsylvania [1859] Wheelco Instruments Co. Chicago, Illinois [1952]
	14	White, Edward P. & Co. New York, New York [1879, 1905] White & Haskell New York, New York [1873] Whitehead Metal Products Co., Inc. New York, New York [1948, c1941-1945]
	15	Whitney Metal Tool Co.

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		Rockford, Illinois [1940] Williams, J.H. & Co. Buffalo, New York [1944]
	16	Wilson, H.A. Co. Newark, New Jersey [1931, 1947]
	17	Wilson, J. Fred Worcester, Massachusetts [1896] Wilson & Bates Philadelphia, Pennsylvania [1891] Wing, J.T. & Co. Detroit, Michigan [n.d.] Winterhoff & Co. New York, New York [1862-64, 1867] Wirz, A.H. Philadelphia, Pennsylvania [1884] Wooster Products, Inc. Wooster, Ohio [n.d.]
	18	Yoder Co. Cleveland, Ohio [1945] Youngstown Iron & Steel Roofing Co. Youngstown, Ohio [c1894] Zenbei Saito Ornaments Tokyo, Japan [c1880s?]

Series Two: Organizations and Associations in the Metals Industry: 1919-1966, n.d.

3	19	American Society of Mechanical Engineers [1919, 1922-1924]
	20	American Society for Metals [1962, 1966] American Society for Testing Materials [1955]
	21	Associated Expanded Metal Companies [n.d.] Engineering Foundation [1926]
	22	Malleable Founders' Society [1954] Metal Lathe Manufacturers Association [1947-1948]
	23	Metal Manufacturers Association of Philadelphia [1914]

Series Three: General Information Relating to the Metals Industry: 1862-1919, n.d.

3	24	Caricatures of Personalities in the Metals Industry [c1905]
	25	Clippings from Newspapers & Other Sources [1862, 1879-1880, n.d.]
	26	Daily Journal [metal broker's journal?] [1864]
4	1	Images & Product Samples [piece of lead foil] [n.d.]
	2	Import Documents & Customs Forms Paris, France; London, England; Philadelphia, Pennsylvania; Liverpool, England; New York, New York; Antwerp, Belgium; Madras, India; Fürth, Germany; Munich, Germany; Santiago de Cuba [1868, 1871-

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		1872, 1879, 1882, 1885, 1888, 1894-1895, 1897-1899]
	3	Patents [1911, 1919]

Publications: 1878-1946, n.d.		
4	4	<i>Machinery's Reference Series</i> nos. 11, 13, 17, 19, 22, 24, 35, 39 [1908-1909, 1911]
	5	<i>Machinery's Reference Series</i> nos. 40, 48, 50, 56, 58, 66-68 [1909-1911]
	6	Misc. publications & related items [1881, 1926, 1946, n.d.]
	7	Scientific articles & pamphlets relating to metal processing or properties [1878, 1884, 1893, 1910-1911]