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Summary Information

Repository:	Rare Book and Manuscript Library
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Biographical / Historical

The Columbia University Department of Chemical Engineering. Chemical engineering is perhaps the broadest of all engineering disciplines: chemistry, physics, mathematics, biology, and computing are all deeply involved. The research of the faculty of Columbia's Chemical Engineering Department is correspondingly broad. Some of the areas under active investigation are the fundamental physics, chemistry, and engineering of polymers and other soft materials; the electrochemistry of fuel cells and other interfacial engineering phenomena; the bioengineering of artificial organs and immune cell activation; the engineering and biochemistry of sequencing the human genome; the chemistry and physics of surface-polymer interactions; the biophysics of cellular processes in living organisms; the physics of thin polymer films; the chemistry of smart polymer materials with environment-sensitive surfaces; biosensors with tissue engineering applications; the physics and chemistry of DNA-DNA hybridization and melting; the chemistry and physics of DNA microarrays with applications in gene expression and drug discovery; the physics and chemistry of nanoparticle- polymer

composites with novel electronic and photonic properties. Many experimental techniques are employed, from neutron scattering to fluorescence microscopy, and the theoretical work involves both analytical mathematical physics and numerical computational analysis.

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Summary

Senior design projects submitted to the Department of Chemical Engineering.

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Arrangement

Arranged chronologically.

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Administrative Information

Publication Statement

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Immediate Source of Acquisition

2012-1023-M001: Source of acquisition--Dept. of Chemical Engineering. Method of acquisition--Transfer.

Processing Information

Projects processed, PTL 07/06/2012.

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Controlled Access Headings

- Chemical engineering
- Student projects
- Columbia University. Department of Chemical Engineering

Collection Inventory

Senior Design Projects

Title/Description	Instances
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1920-1929:	
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"Design and Specifications for a Plant for the Production of Carvacrol" by Stanley Gill, John Illif, William . E. Spandow, 1922	box 1	book 1
"Plans and Specifications for Fifty Ton Cyanamide Plant" by Thomas Chilton, Fabian Crystal, Willard Greenwald, 1922	box 1	book 2
"Design of Five ton Phenol Plant", Vol. I by J. Laurence Osborne, Kevie W. Schwartz, 1922	box 1	book 3
"Design of a Five ton Phenol Plant", Vol. 2 by J. Laurence Osborne, Kevie W. Schwartz, 1922	box 1	book 4
"Aluminum Sulphate Plant" by Authur Doolittle, Reginald Sloan, 1923	box 1	book 5
"Soap Plant Design" by Menahem Merlub-Sobel, Martin Sternfels, Joseph Teiger, 1924	box 1	book 6
"Carbon Bi-Sulphide Plant", Vol. I by Walter King, Jr., Authur Dreshfield, 1924	box 1	book 7
"Carbon Bi-Sulphide Plant", Vol. 2 by Walter King, Jr., Authur Dreshfield, 1924	box 1	book 8
"Sugar Refinery" by D. Caeser, G.M. Davidson, D. Lurie, 1924	box 1	book 9
"Petroleum Lubricant Refinery", Vol. I by William Gleim, G. Edwin White, James Gray, 1925	box 1	book 10
"Petroleum Lubricant Refinery", Vol. 2 by William Gleim, G. Edwin White, James Gray, 1925	box 1	book 11
"Petroleum Lubricant Refinery", Vol. 2 by William Gleim, G. Edwin White, James Gray, 1925	box 2	book 1
"Soap Plant" Vol. 1. by Paul C. Fritz, Robert Z. H. Lee, Zai-Ziang Zee, 1925	box 2	book 2
"Soap Plant" Vol. 2. by Paul C. Fritz, Robert Z. H. Lee, Zai-Ziang Zee, 1925	box 2	book 3
"Design and Specification for a Plant for the Production of Refined and Hardened Vegetable Oils' by L. C. Pan, Samuel Frank, Theo Tsvetkov, 1923	box 2	book 4
"Aluminum Sulphate Plant" Vol. 2 by Arthur Doolittle, Reginald Sloane, 1923	box 2	book 5
"Design for a Three Hundred Ton Corn Product Plant" Vol. 1 by Hamilton Bailland, Johammes Nelle, Leo M. Rogers, 1925	box 2	book 6
"Design for a Three Hundred Ton Corn Product Plant" Vol. 2 by Hamilton Bailland, Johammes Nelle, Leo M. Rogers, 1925	box 2	book 7
"Design of Kaerjel Gelatin Factory" Vol. 1 by Albert George Stern, K. C. Hu, 1926	box 2	book 8

"Design of Kaerjel Gelatin Factory" Vol. 2 by Albert George Stern, K. C. Hu, 1926	box 2	book 9
"Design of Kaerjel Gelatin Factory" Vol. 3 by Albert George Stern, K. C. Hu, 1926	box 2	book 10
"Proposed Design of Sulphite Wood Pulp Mill" by I. H. Odell, H. K. Work, M. J. Vittengl, 1925	box 3	book 1
"Sugar Refinery" Vol. 2 by D. Caesar, G.M. Davidson, D. Lurie, 1924	box 3	book 2
"Design for Plant for the Manufacture of Super Kaolin" Vol. I by Joseph Speseline, Raymond Nelson, Kenneth Francisco, 1926	box 3	book 3
"Design for Plant for the Manufacture of Super Kaolin" Vol. 2 by Joseph Speseline, Raymond Nelson, Kenneth Francisco, 1926	box 3	book 4
"Extraction of Pot Ash" by Benjamin Miller, Victor Danziger, 1926	box 3	book 5
"Calcium Arsenate Plant" Vol. 1 by N.R. Choudhury, 1927	box 3	book 6
"Calcium Arsenate Plant" Vol. 2 by N .R. Choudhury, 1927	box 3	book 7
"Titanium Pigment Plant" Vol. 1 by Clark Barrett, John Nunez, Walter Plechner, 1927	box 3	book 8
"Titanium Pigment Plant" Vol. 2 by Clark Barrett, John Nunez, Walter Plechner, 1927	box 3	book 9
"Design of Tartaric Acid Plants" Vol. 1 by Sherman, Loeb, Choudbury, 1927	box 4	book 1
"Design of Tartaric Acid Plants" Vol. 2 by Sherman, Loeb, Choudbury, 1927	box 4	book 2
"Manufacture of Lightproof Lithopone" Vol. I by William Bishop, John Lippoth and Elton Tucker, 1927	box 4	book 3
"Manufacture of Lightproof Lithopone" Vol. 2 by William Bishop, John Lippoth and Elton Tucker, 1927	box 4	book 4
"Manufacture of Lightproof Lithopone" Vol. 3 by William Bishop, John Lippoth and Elton Tucker, 1927	box 4	book 5
"Ethylene Glycol" Vol. I by William Amend, A. J. Dornblatt and W.C. Eberlin, 1927	box 4	book 6
"Ethylene Glycol" Vol. 2 William Amend, A. J. Dornblatt and W. C. Eberlin, 1927	box 4	book 7
"Caustic Soda Plant" Vol. I Schmid, Triska, 1927	box 4	book 8
"Amyl Alcohol and Amyl Acetates" Vol. I by Hugo Klein, Carl RatheMarcher and Charles Teichman, 1928	box 4	book 9
"Amyl Alcohol and Amyl Acetates" Vol. 2 by Hugo Klein, Carl RatheMarcher and Charles Teichman, 1928	box 4	book 10

"Industrial Alcohol Plant" by Carl Ahrens, Hugo Weisberger and Wallace Spelshouse, 1928	box 5	book 1
"Design of Hydroquinone" by Frank Jones, Edward Hoffman, James Prince and Luis Zapf, 1928	box 5	book 2
"Design of a Plant for the Manufacture of Silica Gel" Vol. 1 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 3
"Design of a Plant for the Manufacture of Silica Gel" Vol. 2 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 4
"Design of a Plant for the Manufacture of Silica Gel" Vol. 3 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 5
"Design of a Plant for the Manufacture of Silica Gel" Vol. 4 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 6
"Design of a Plant for the Manufacture of Silica Gel" Vol. 5 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 7
"Design of a Plant for the Manufacture of Silica Gel" Vol. 6 by M.H. Sinks, R. H. Kittner and N.C. Cohn, 1929	box 5	book 8
"Basic Aluminum Sulfate" Vol. I by Raymond Genereaux and Gordon Byron Hogaboom, 1929	box 6	book 1
"Basic Aluminum Sulfate" Vol. 2 by Raymond Genereaux and Gordon Byron Hogaboom, 1929	box 6	book 2
"Basic Aluminum Sulfate" Vol. 3 by Raymond Genereaux and Gordon Byron Hogaboom, 1929	box 6	book 3
"Alkali-Chlorine Plant Design" Vol. I by AW. Bergeren, F.A Rohrman, R.E. Vivian and Weberson, 1929	box 6	book 4
"Alkali-Chlorine Plant Design" Vol. 2 by A.W. Bergeren, F.A Rohrman, R.E. Vivian and Weberson, 1929	box 6	book 5
"Titanium Pigment" by C. Decroly, F. Saldana and F.A Rohrman, 1929	box 6	book 6
"Manufacture of Acetic Hydride" by Bruckner, Majewski and Weberson, 1929	box 6	book 7
"Manufacture of Alumina Gel" by Bergeren, Gordon and Vivian, 1929	box 6	book 8
"Soap Plant Design" Vol. 2 by Menahem Merlub-Sobel, Martin Sternfels, Joseph Teiger, 1924	box 6	book 9
1930-1939:		
"Production of Diphenyl by the Pyrolysis of Enzyme" by Sanigar, Wong, Lansdon and Sanigare, 1930	box 7	book 1
"Normal Butyl Lagtate" by Edward Hatch, K.H. Lah and William Grosvenor, 1930	box 7	book 2
"Design of Lithopone Plant" by Drozed, Sanigar, Conard and Clemens, 1930	box 7	book 3

"Ammonia and Hydrochloric Acid Plant" Vol. I by Charles Bonilla, Lawrence Greenspan and Charles Porter, 1930	box 7	book 4
"Ammonia and Hydrochloric Acid Plant" Vol. 2 by Charles Bonilla, Lawrence Greenspan and Charles Porter, 1930	box 7	book 5
"Portland Cement Plant" Hatch, Lah and Gerapostolou, 1930	box 7	book 6
"Sulphuric Acid Base Metal Catalyst" Vol. 1 by Gebens, De Varda, Von Schliben and Young, 1930	box 7	book 7
"Sulphuric Acid Base Metal Catalyst" Vol. 2 Gebens, De Varda, Von Schliben and Young, 1930	box 7	book 8
"Aluminum Chloride" by Drozed, Clemens, Gerapostolou and Conard, 1930	box 7	book 9
"Synthetic Urea Plant", Vol. I Henderson and Waterman, 1931	box 8	book 1
"Synthetic Urea Plant", Vol. 2 Henderson and Waterman, 1931	box 8	book 2
Diphenyl 24-Ton Plant Design", Vol. 2 by Alessandroni, Clifford, Wilkens, 1931	box 8	book 3
"Diphenyl 24-Ton Plant Design", Vol. 3 by Alessandroni, Clifford, Wilkens, 1931	box 8	book 4
"Chlorinated Paraffin" by Whitfield, Fogle, Coons, 1931	box 8	book 5
"Hexamethylene Tetramine" by Debing, Strawn, Heckendorf, 1931	box 8	book 6
"Desulphurization of Gas" by Stolzenbach, Scott, 1932	box 8	book 7
"Design of Gas Plant for Staten Island" by Lang, Stolzenbach, 1932	box 8	book 8
"Chrome-Acetic Plant", Vol. 1 by Tuwiner, Deren, Wong, 1932	box 8	book 9
"Vegetable Oil Hydrogenation Plant" by Bowles, Blesse, Scott, 1932	box 8	book 10
"Cellulose Glycol Ethers" by Berkey, Frehner, Hladky, Tenney, 1932	box 8	book 11
"Chrome-Acetic Plant", Vol. 2 Tuwiner, Deren, Wong, 1932	box 8	book 12
"Mesitylene from Acetone" by Alan, Glinsman, Wilhem, 1932	box 8	book 13
"Sodium Silicate", Vol. 1 by Ames, Cunningham, Goldfrank, 1933	box 9	book 1
"Sodium Silicate", Vol. 2 by Ames, Cunningham, Goldfrank, 1933	box 9	book 2

"Paraphenylenediamine" by Majewski and Grosvenor, 1931	box 9	book 3
"Diphenyl" by Alessendroni, Clifford, Wilkens, 1931	box 9	book 4
"Monosulphite Waste Liquor Recovery" by Henderson, King, Watennan, 1931	box 9	book 5
"Nitric Acid Plant" by King and Whitfield, 1931	box 9	book 6
"Ultra-Marine Blue", Vol. 1 by Conlon, Rathemacher, Stringer, 1933	box 9	book 7
"Ultra-Marine Blue", Vol. 2 by Conlon, Rathemacher, Stringer, 1933	box 9	book 8
"Ultra-Marine Blue", Vol. 4 by Conlon, Rathemacher, Stringer, 1933	box 9	book 9
"Ultra-Marine Blue", Vol. 5 by Conlon, Rathemacher, Stringer, 1933	box 9	book 10
"Davis Gas Reforming Process" by Albert, Gaskill, Rearick, Schrumpf, 1933	box 9	book 11
"Lager Beer Brewery" by Hixson, Powell, Tenney, 1933	box 10	book 1
"Epson Salt and Milk of Magnesia Plant" by Burkey, Frehner, Hladky, 1933	box 10	book 2
"Production of Phosphorus and Phosphates" by Gaskell, Jenkins, Schrumpf, Triska, 1933	box 10	book 3
"Activated Carbon" by Ames, Jenkins, Triska, 1933	box 10	book 4
"Dichloroethylene" by Jenkins, Turla, MacWood, Damiano, 1933	box 10	book 5
"Synthetic Vanillin" by Comstock, Cunningham, Cussler, Goldfrank, 1933	box 10	book 6
"Solvent Extraction of Coniferous Woods" by Hixson, Powell, Shaw, Young, 1933	box 10	book 7
"Davis Gas Reforming Process" by Albert, Gaskill, Rearick, Schrumpf, 1933	box 10	book 8
"Manufacture of Paints and Varnishes" by Gloster, Larkin, Ward, 1934	box 10	book 9
"Boric Acid" by Burks, Korsmeyer, Meyer, 1934	box 10	book 10
"Non-Freezing Fire Extinguisher Charge" by Artese, Bloom, Fedak, 1934	box 10	book 11
"Production of Malachite Green" Vol. I by Haedrich and Read, 1934	box 11	book 1
"Production of Malachite Green" Vol. 2 by Haedrich and Read, 1934	box 11	book 2

"Production of Malachite Green" Vol. 3 by Haedrich, Read, Reidel and Stetkewicz, 1934	box 11	book 3
"Design of Dimethylaniline" by Riedel and Stetkewicz, 1934	box 11	book 4
"Caustic Soda Chlorine and Hydrochloric Acid" Vol. I by Artese, Johnson and Meyer, 1934	box 11	book 5
"Caustic Soda Chlorine and Hydrochloric Acid" Vol. 2 by Artese, Johnson and Meyer, 1934	box 11	book 6
"Silicon Plant Design" by Miller and Schultz, 1934	box 11	book 7
"Satin White Pigment for Coated Papers" by Gloster, Larkin, Schultz and Ward, 1934	box 11	book 8
"Nitric Acid Plant Design" by Anderson, Garbow and Marcot, 1935	box 11	book 9
"Calcium Hypochlorite" by Auer, De Marchi and Corren, 1935	box 11	book 10
"Phenylstearic Acid Production and Use" by Mackay, BeerBower, Conte and Deane, 1935	box 11	book 11
"Manufacture of Dynamite" Vol. I by Coler, Luedeke and Schreurs, 1935	box 12	book 1
"Manufacture of Dynamite" Vol. 2 by Coler, Luedeke and Schreurs, 1935	box 12	book 2
"Absolute Alcohol" by Anderson, Marcot and Swan, 1935	box 12	book 3
"Chloroform" by Appelboom, Coler and Schreurs, 1935	box 12	book 4
"Triple Super Phosphate Plant" by Appelboom, Auer, Corren and De Marchi, 1935	box 12	book 5
"Diphenyl Oxide in Lubricants" by Kalbach, Linn and Wasmuth, 1935	box 12	book 6
"Alkyd Resins" by Gould, Kolodney and Luedeke, 1935	box 12	book 7
"Vegetable Shortening Plant" by Bloom, De May a, Fedak and Swan, 1935	box 12	book 8
"An Electrothermic Zinc Oxide Plant" by Kalbach, Linn and Washmuth, 1935	box 13	book 1
"Design of Hydrogenation Plant" by Banchemo, Morgan, Mackay and Wagner, 1936	box 13	book 2
"Plant Design for Production of Sulphonated Oils" by Wimpler, Miller and Bucci, 1936	box 13	book 3
"Solvent Extraction of Lubricating Oils" by Davis and Zabel, 1936	box 13	book 4
"Manufacture of Sodium Aluminate" by Zabel, Pryor, Goldstein and Davis, 1936	box 13	book 5

"Acid Gas Absorbents" by Winteer, Bucci, Miller and Wimmer, 1936	box 13	book 6
"Manufacture of Cuprous Chloride" by Berman, Dittrich, Kahan and Smerechnika, 1936	box 13	book 7
"Production of Furfuryl Xanthate" by Banchemo, Morgan, Thomas and Wagner, 1936	box 13	book 8
"Urea from Carbon Dioxide and Amonia" by Bertsche, Fremon and Johnson, 1937	box 13	book 9
"Ultramarine Blue" by Bertsche, 1937	box 13	book 10
"Soybean Adhesives" by Johnson, Szelugowski and Von Doenhoff, 1937	box 13	book 11
"Design for Potato Alcohol Plant" by Lee, Schaul and Von Doenhoff, 1937	box 14	book 1
"Alkyde Resin" by Margolis, Poulsen, Schaul and Sherman, 1937	box 14	book 2
"Activation of Wood Charcoal" by Biddle, Fremon, Law and Peer, 1937	box 14	book 3
"Production of Thiourea" by Bertsche, Lee and Losen, 1937	box 14	book 4
"Phosphoric Acid Purification by Solvent Extraction" by Eppig, Nerlinger, Quinn and Sterk, 1937	box 14	book 5
"Preparation of Rust Resisting Coating Compositions" by Berger, Lappel and McAdam, 1937	box 14	book 6
"Book Paper Pulp from Southern Pine" by Biddle, Law, Lustbadder and Peer, 1937	box 14	book 7
"Ethylene Glycol Plant" by Bottinelli, Caselli and Paul, 1937	box 14	book 8
"Design of Polymer Gasoline Plant" by Kaufman, Rosenblatt, Smatko and Szelugowski, 1937	box 14	book 9
"Manufacture of Cobalt Titanate" by Casseli, Paul and Smatko, 1937	box 14	book 10
"Manufacture of Dye Intermediates" by Burger, Lappel, Margolis and McAdam, 1937	box 14	book 11
"Resin Plasticizers" by Lustbadder, Rosenblatt and Bottinelli, 1937	box 14	book 12
"Nitric Acid Plant" by Barton, Keller, Wasselle, 1938	box 15	book 1
"Contact Sulphuric Acid Plant" by Gurewitz, Katz, Schwatz, Randall, 1938	box 15	book 2
"Design of Paint, Varnishes, and Lacquers" by Card, Checkovich, Klose, Marchese, 1938	box 15	book 3

"Silica Gel" by Gutman, Klein, Miller, Wolf, 1938	box 15	book 4
"Carbonaceous Base-Exchange Material" by Card, Checkovich, Klose, Marchese, 1938	box 15	book 5
"Calcined Phosphate Rock" by Eisenberger, Katz, Keller, Randall, 1938	box 15	book 6
"Absolute Alcohol Plant Design" by Ohlmann, Schweyer, Vittinghoff, 1938	box 15	book 7
"Soybean Processing Plant" by Gutman, Klein, Miller, Wolf, 1938	box 15	book 8
"Purification of Dialkyl Sulphates" by Beuerman, Courtney, Polter, Wrighton, 1938	box 15	book 9
"Solvent Extraction of Naphtha" by Barton, Schweyer, Vittinghoff, Wasselle, 1938	box 15	book 10
"Recovery of Sulfuric Acid" by Henkel, Jonassen, Jonnard, Martini, 1939	box 15	book 11
"Rust Proofing Ferrous Metals" by Fedyk, Hyslop, Myers, Sadlon, 1939	box 15	book 12
"Synthetic Methanol Plant" by Henkel, Jonnard, Martini, 1939	box 16	book 1
"Synthetic Acetic Acid Plant" by Bockelmann, Hurwitz, Koslov, 1939	box 16	book 2
"Sulfur Recovery Plant" by Jonassen, Myers, Richey, 1939	box 16	book 3
"Terpene Alcohols from Pine Oil" by Bockelmann, Hurwitz, Koslov, Richey, 1939	box 16	book 4
"Polymer Gasoline Plant" by Gussman, Koplowitz, Malcolmson, Ozimek, 1939	box 16	book 5
"Sodium Chlorate Manufacture" by Clay, Scofield, Shibley, 1939	box 16	book 6
"Colored Titanium Dioxide Pigments" by Gussman, Koplowitz, Malcolmson, Ozimek, 1939	box 16	book 7
"Zinc Sulfide" by Clay, Reid, Scofield, Shibley, 1939	box 16	book 8
1940-1949:		
"Manufacture of Trisodium Phosphate" by Checkovich, McLarney, Moreno, Mosher, 1940	box 17	book 1
"Formaldehyde Plant Design" by Black, Sidoroff, Ward, Woodfield, 1940	box 17	book 2
"Phenol Plant Design" by De Santo, Madigan, Schidlein, 1940	box 17	book 3
"Lead Acetate Plant Design" by Crymble, Lockhart, Marsik, 1940	box 17	book 4

"Phosphorescent Lithopone" by Checkovitch, McLarney, Moreno, Mosher, 1940	box 17	book 5
"Tetra-Ethyl Lead Plant Design" by Joyce, Pappas, Schulz, 1940	box 17	book 6
"Acetic Acid Plant Design" by Post, Ricklin, Ross, Smith, 1940	box 17	book 7
"Alkyd Resins" by Post, Ricklin, Ross, Smith, 1940	box 17	book 8
"Ethylchloride" by Nadler, Oakley, Saffer, 1940	box 17	book 9
"Process for Silica Gel" by Crymble Lockhart, Marsik, Sidoroff, 1940	box 17	book 10
"Hard Water Soaps" by Goldstein, Madigan, Ward, Woodfield, 1940	box 17	book 11
"Water Proofing of Textile Fibers' By D Santo, Hazapis, Mehrlust, Schidlein, 1940	box 17	book 12
"Colored Coatings on Zinc" by Black, Joyce, Pappas, Schultz, 1940	box 17	book 13
"Maleic Anhydride Plant Design" by Bours, Bragg, 1941	box 18	book 1
"Maleic Anhydride Plant Design", Appendix by Bours, Bragg, 1941	box 18	book 2
"A Sulfanilamide Plant" by Fraser, Greenwell, Kinsella, 1941	box 18	book 3
"Sugar Refinery Plant" by Carreras, Rauch, 1941	box 18	book 4
"Production of a Wetting Agent" by Feldmann, Stetkewicz, Tonnessen, 1941	box 18	book 5
"Production of a Wetting Agent" by Feldmann, Stetkewicz, Tonnessen, 1941	box 18	book 6
"Water Soluble Resin" by Carreras, Duda, Rauch, 1941	box 18	book 7
"Extreme Pressure Lubricant", Vol. I by Bragg, Brown, Sabot, Walker, 1941	box 18	book 8
"Extreme Pressure Lubricant", Vol. 2 by Brown, Sabot, Walker, 1941	box 18	book 9
"Electrothermal Phosphorus Plant" by Nadler, Oakley, Saffir, 1941	box 18	book 10
"Electrolytic Lead Chromate" by Rink, Marinaro, Owensey, 1941	box 19	book 1
"A New Organic Glass" by Goett, Rataiczky, Tomkowitz, 1942	box 19	book 2
"An Addition Agent for Lubricating Oils" by Chelchowski, White, Wilding, 1942	box 19	book 3

"Styrene from Commercial Xylene" by Burns, Leary, Smithson, 1942	box 19	book 4
"Alumina from Clay" by Bender, Brooks, Newton, Sherwood, 1942	box 19	book 5
"Smokeless Powder Plant" by Schmidt, Stettner, Tittman, 1942	box 19	book 6
"Cuprous Halides from Copper Scrap" by Drost, Freund, Gowett, 1942	box 19	book 7
"A Sulfunilamide Derivative" by Fraser, Greenwell, Kinsella, 1942	box 19	book 8
"Neoprene Plant Design" by Goett, Rataiczky, Tomkowitt, 1942	box 19	book 9
"Synthetic Ethanol Plant Design" by Gurkan, Newlon, Sherwood, 1942	box 19	book 10
"Hydroxylamine" by Pullman, Irazogui, Nisselson, Gurkan, 1942	box 19	book 11
"Methyl Methacrylate" by Pullman, Irazoqui, Nisselson, 1942	box 19	book 12
"Morpholine" by Brown, Lefferts, Le Vine, 1942	box 19	book 13
"Esters of Glycol Ethers" by Capell, Hertwig, 1942	box 19	book 14
"High Octane Gasoline Plant Design" by Chelchowski, Lockheed, Wilding, 1942	box 19	book 15
"Anhydrous Hydrogen Chloride" by Prisco, Taplinger, Zullo, 1943	box 20	book 1
"Surface Active Agents from Kerosene" by Fitzpatrick, Saul, 1943	box 20	book 2
"Rubber Reclaiming Plant" by Brown, Hertwig, 1943	box 20	book 3
"Petn Plant Design" by Drost, Forbath, 1943	box 20	book 4
"Hexamethylenetetramine Plant" by Freund, Lefferts, Le Vine, 1943	box 20	book 5
"Plant Design for Production of Freon-12' by Prisco, Taplinger, Zullo, 1943	box 20	book 6
"Production of Ethylene Glycol" Vol. 1 Cattrall, Duda, Fernstrom, Goun, 1944	box 20	book 7
"Production of Ethylene Glycol" Vol. 2 by Cattrall, Duda, Fernstrom, Goun, 1944	box 20	book 8
"Alkylation of Phenols" by Epstein, Sachsel, 1944	box 20	book 9
"Production of Aliphatic Acids" by Ergun, Martin, Shulman, 1944	box 20	book 10

"Methyl Acrylate from Lactic Acid" by Hoopes, Peyster, Fernandez, 1944	box 20	book 11
"Design of a Plant for the Production of Dry Ice" by Banks, Carpenter, Hoenigausem, 1946	box 21	book 1
"Design of Acetic Acid Plant" Vol. I by Kerr, Lister, Sieger, Sternberg, 1947	box 21	book 2
"Design of Acetic Acid Plant" Vol. 2 by Kerr, Lister, Sieger, Sternberg, 1947	box 21	book 3
"Design of Acetic Acid Plant" Vol. 3 by Kerr, Lister, Sieger, Sternberg, 1947	box 21	book 4
"Synthetic Fuels from Natural Gases" Vol. 1 by Phillips, Sayers, Shenker, Williams, 1947	box 21	book 5
"Synthetic Fuels from Natural Gases" Vol 2 by Phillips, Sayers, Shenker, Williams, 1947	box 21	book 6
"Ethylene Glycol via Ethylene Oxide" by Bornstein, Johnson, Stage, 1947	box 21	book 7
"DDT from Chloral and Chlorobenzene" by Alpar, Palabiyikoglu, Pathak, Saikia, 1947	box 21	book 8
"Recovery of SO ₂ from Flue Gas" by Clarke, Knox, Mac Laren, Mc Mahon, 1947	box 21	book 9
"Alkyl Naphthalene Sulfonates as Detergents" by Finke, Lockheed and Strauss, 1947	box 21	book 10
"Production of Soluble Silicates" Vol. I by Dokras. Forlenza, Johnson, Seutter, 1947	box 22	book 1
"Production of Soluble Silicates" Vol. 2 Dokras, Forlenza, Johnson, Seutter, 1947	box 22	book 2
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