Register of the Spreckels Sugar Company Collection

Collection number: MS 282

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Organizational History
The Spreckels Sugar Company was founded by capitalist, Claus Spreckels (1828-1908). Initially a San Francisco grocer, he
came involved in California sugar production as early as 1863 and was one of the founders of the California sugar beet
industry. Spreckels established his first sugar company, Western Beet Sugar, at Watsonville (1888). By that date Spreckels
had also gained control over much of the cane sugar industry in Hawaii. He was active in the California transportation and
power industries, as well.

Claus Spreckels had four sons: John D., Adolph, Claus A. & Rudolph. The father and the two older brothers generally feuded
with the two younger sons over control of the family businesses. Although Claus founded the Spreckels Sugar Company and
built its first factory at Salinas (1898), Adolph Spreckels (1857-1924) guided the affairs of the Spreckels Sugar Company
during most of the early years represented by this collection. He built Factory #2 at Manteca (1917). In 1907 Adolph
Spreckels married Alma de Bretteville, whose nephew, Charles, subsequently became President of Spreckels Sugar.
DeBretteville erected Factory #3 at Woodland in Yolo County (1936). After the family sold their company (1963) to the
American Refining Company, the new entity became AMSTAR and Spreckels Sugar became a division of AMSTAR, but,
ultimately the Spreckels Sugar Division managers arranged to buy out their division, thus resurrecting the Spreckels Sugar
The California sugar beet industry has always been susceptible to natural and economic woes. Droughts caused declines in beet production and an increase in insect pests during the early 1920s that led to an eight year shutdown at Factory #2 (Manteca). Droughts were again a factor in declining profits throughout much of the 1980s and early 1990s. Factory #1 (Salinas) and Factory #5 (Chandler, Arizona) shut down (1981) as soft drink manufacturers switched from more expensive beet sugar to high fructose corn syrup. Factory #2 (Manteca) adjusted to market changes by producing greater quantities of powder sugar, but encroaching urbanization and the extended drought eventually forced this factory, too, to close its doors (1995).
The Spreckels Sugar Company Collection contains papers and photographs relating to Spreckels’ three northern California factories (see above) and its cane sugar mill at Pampanga, Del Carmen, Philippine Islands. Factory #2 (Manteca) is the main focus of the California portion of the collection, in part, because these materials were amassed by factory historian, Michael H. Marleau. Mr. Marleau gave this collection to Holt Atherton Special Collections in 1997.

SERIES I: SPRECKELS CALIFORNIA SUGAR FACTORIES

BOX 1: Background: General Histories & Clippings

-A.A. Norman. "History of the Manteca Plant" (1943) [typescript]
-Anonymous. "Enlarged capacity marks fiftieth anniversary of Manteca factory" (1966)
-Michael H. Marleau. The First 75 Years: The Story of Spreckels Sugar in Manteca (1993)
-Anonymous. "Early history of sugar" (n.d.) [typescript]
-Honey Dew News (Dec 1940) ["publ. monthly by employees of Spreckels Sugar Co."] [features pages devoted to news of each Spreckels factory; Manteca was factory #2]
-Dan Gutleben. "The Sugar Tramp" (1948) [provides the "Big Picture" a brief history of sugar beet refining in the West]
-Spreckels Sugar Beet Bulletin 17-20 (1953-1956) [following pages were flagged; all but one features an article by Guy D. Manuel, Vice-President, final entry features an article by William H. Ottey, Vice President for Sales]
  Jan/Feb 1953 p.6
  Sep/Oct 1953 p.38
  Jan/Feb 1954 p.5
  Jul/Aug 1954 p.27
  Nov/Dec 1954 p.42
  Jan/Feb 1955 p.3
  Jan/Feb 1956 p.3
  Mar/Apr 1956 p.14
-Notice to all Spreckels employees re Strike Settlement w/ United Sugar Workers (5-1-57)
-"U.S. Sugar Program" (7-5-63)
-Clippings:
  "The new sugar beet factory at Manteca" (n.d.; c1916) [newspaper ad]
  "Construction on Spreckels plant in Arizona to start" (6-15-64)
  "Spreckels new generator" Manteca Bull. (3-26-65)
  "Mass cement pour at Spreckels" Manteca Bull. (4-2-65) [flooring for silos]
  "Spreckels evaporator unit" (4-5-65)
  "Continuous cement pour" Manteca Bull. (4-21-65) [new sugar silos]
  "Spreckels starts new local office building" (12-15-65)
  "First phase of previously announced $7 mil. expansion & modernization program..." (2-11-66)
"Spreckels dedicates new plant at Chandler, Arizona," Manteca Bull. (5-3-67)
"New plant is fifth for Spreckels," Manteca Bull. (5-3-67) [Chandler AZ]
"Spreckels starts production tomorrow in modern plant" (11-8-67)
"Changing times" (12-13-67) [shutdown of last 1917 eqpt.]
"Beet tour for New Zealanders" (4-15-70)
"Joseph Bock named sugar company v-p" (11-4-70)
"Name changed to Amstar" Manteca Bull. (11-6-70)
"Amstar VP named" (1-27-70) [Robert O. Nagle, Exec V-P of Spreckels Sugar Div.]
"Spreckels receives achievement award" (3-25-70)
"Jerry Tucker has recently been named chief chemist at Spreckels sugar plant in Manteca" Manteca Bull. (2-19-71)

BOX 2: Operations: Technical History Files, Factory #2, Manteca

Additional Note
[folder titles in quotation marks were created by Spreckels Sugar Co. staff; items are in typescript unless otherwise indicated]

-"Historical data - not dated"
  Const. & By-laws of Employees Mutual Hospital Assn. [3 pp.]
  The manufacture of honey-dew sugar from beets [2 pp.]

-"Historical data- 1917-1933" [W.J. Resch, Factory Supt.]
  Steffens experiments (1919) [5 pp.]
  Authorized expenditures for maintenance... (8-20) [3 pp. typescript on printed form]
  Shrinkage statement 1921 campaign [1 pg.]
  Holly Sugar Corp., Tracy 1929 campaign statistics (11-30-29) [typescript on printed form]
  G.E. Stevens to W.J. Resch (2-16-31) [re reheater idea, ms. 2 pp.]
  WJR corresp. re sugar quality & sales (8-1,3,4,6-31) [4 items, 5 pp.]
  WJR to M.R. Obitz [Asst. Sales Mgr.] (9-20-31) [re space in warehouse; 2 pp.]
  WJR to S.C. Meredith [Chief Chemist] (9-27-31) [re efficiency of hummer; 5 pp.]
  1932 Season - Intercampaign maintenance. Campaign maintenance. Campaign operation. [4 pp.]
  L.W. Meikel. Sodium aluminate experiments- 1932 [7 pp.]
  WJR to C.J. Moroney [Genl. Mgr.] (8-15-32) [re % CaO in carbonation juice; 3 pp.]
  Roosevelt plans to lower sugar tariff [after 8-24-32; 1 pg.]
  Virginia Bridge & Iron Co. to Spreckels, Manteca (9-6,12-32) [3 pp.]
  Experience Folder No. 215 - Receiving system used by Great Western Sugar Co. (9-15-32) [4 pp. printed form + 2 printed rcpt. forms]
  WJR [Factory Supt.] to S.C. Meredith, Chief Chemist Western Sugar Refinery (9-26-32) [re possible causes of bad shipment; 1 pg.]
  Response to State Dir. Employment questionnaire (11-25-32) [1 pg.]
  From field to sugar bowl (1-12-33) [capsule description of growing, harvesting, sugar manufacturing processes; 3 pp.]
  WJR to C.J. Moroney, Active Mgr. Spreckels Sugar Co. (2-23-33) [re savings resultant from installation of a thickener; 2 pp.]
  G.E. Stevens. The rapid indirect re-heating of cooled raw massecuite... (1933) [11 pp.]
  Data on sodium aluminate used at this plant (1933) [8 pp.]
  Progress Report - August 14, 1933 - P.B. Caster [7 pp.]
- Early contractors (1917-1923)
  [Forms w/ alphabetical lists of growers together w/: general location, amt. seed, acreage, seeder rental & other costs entered in typescript]
  8-20-17 [8 pp.]
  8-3-18 [5 pp.]
SERIES I: SPRECKELS CALIFORNIA SUGAR FACTORIES
BOX 2: Operations: Technical History Files, Factory #2, Manteca

Register of the Spreckels Sugar Company Collection

8-7-19  [4 pp.]
9-1-20  [4 pp.]
Journal Entry Voucher # 7 20 (1921)  [6 pp.]
Do. # 8 4 (1922) [3 pp.]
Do. # 7 16 (1923) [6 pp.]

"Historical data- 1934-1939"

1934
Plant Scale Tests (9-1-34) [49 pp.]
F.B. Caster & W.J. Resch. 1934 Campaign: New eqpt., methods & practice in Great Western Sugar Co. factories [18 pp.]

1935
Report on La Feuille Crystallizer Pan used at Holly Sugar, Santa Ana (8-8-35) [6 pp.]
Equipment sent to Manteca for use in semi-plant scale test on juice treatments (8-16-35) [2 pp.]
W.W. Conner. The regeneration of bonechar in place by means of controlled oxidation with heated gases (8-20-35) [3 pp.]
La Feuille Pan vs. Crystallizers (9-23-35)
Estimated Production, 1935 reestimated Oct 8 [3 pp.]
Memo for W.J. Resch (10-6-35) [re SO2 gas tests; 2 pp.]
Estimated Maintenance List for Inter-Campaign Period (1935) [60 pp.]
Liquid SO2 in treating beet juices (1935) [3 pp.]
Corresp. re above (12-28-35, 1-10-36)
Sugar Beet Experiment (1935) [4 pp. incl. 2 pp. diagrams of apparatus]

1936
Cost receiving beets, 1936
Estimated Production, 1936 (2-17-36) [4 pp.]
Estimated 1936 Production (3-20-36) [1 pg.]
H.E. Ross to C.J. Moroney (7-1-36) [re sugar shipping; 2 pp.]

1937
Comparison of pacifying action of Oakite Products pickle control inhibitor w/that of Shell Chemical Co. (4-30-37) [3 pp]

1938
1938 Forecast (11-1): Beets sliced, sugar, dried pulp, molasses
R.R. Grunsky [Personnel Mgr.] to WJR: 3 blueprints w/ cover letter re four shift operation (11-22-38)

1939
Foremen’s Conference meetings (1939):
2-13 [a good foreman], 2-27 [seniority policy]
3-20 [employing men], 3-20 [employing new men]
4-17 [report on technologist’s annual meeting]
5-1 [training the new man], 5-15 [how to teach & what to teach]
6-19 [discipline]
Redistribution of beet tonnage as of 11-11-39; misc. corresp. (1939) [23 pp.]

"Historical data- 1940-1949" [A.A. Norman, Factory Supt.]

1940
California Beet Sugar Production by Factories (1869-1940) [table showing dates, locations, tonnage]
W.J. Resch. Analysis of operations for 3 Spreckels plants betw. 9-24 & 10-22-39 (1-5-40) [4 pp.]
A.A. Norman to C.E. Crane [Agric. Supt.] (1-30-40) [yearend statistics, 1939]
Job Order: Powdered Sugar Station (2-5-40)
1940 Foremen’s Conference Program [4 pp.]
Foreman’s Conference meetings (1940):
No. 3 (2-26) [W. K. Gray answers questions re char filters, lime burning]
No. 4 (3-12) [G.P. Wright, Agric. Dept.]
No. 6 (4-22) [Duties & responsibilities of foremen & supervisors]
No. 8 (5-20) [Discontented workers]
No. 9 (6-3) [Proposed organizational chart for Spreckels Sugar Co.]
No. 10 (6-17) [Slicing & diffusion]

A.A. Norman. Summary Report, Year 1939 (3-1-40)
E.G. Utley to A.A. Norman (3-6) [re carbonation system; 6 pp.]
A.A. Norman to W.J. Resch (3-13-40) [report on avg. cu. ft. massecuite handled]
C.E. Crane [Agricultural Supt.] Figures on anticipated tonnage, 1940 (3-15-40) [2 pp.]
C.J. Moroney to A.A. Norman (4-24-40) [re new patent for Norman's adjusting apparatus]
W.J. Resch to A.A. Norman (7-22-40) [notice to lay off workers at No. 2 due to scheduling preference to other plants]
Maintenance Labor Expenditures to July 31, 1940 [3 pp.]
A.A. Norman to W.W. Connor [Factory Supt., Woodland] (8-9-40) [re beginning of slicing]
Maintenance, Labor & Material, Factory No. 2 (Aug-Dec 1940) [10 pp.]
W.J. Resch to C.J. Moroney (3-2-43) [re closing down Factory No. 2; 2 pp.]
R.R. Grunsky to C.J. Moroney (3-8-43) [re labor problems due to War; 5 pp.]
A.A. Norman to Rose Rhyner [Honey Dew News staff] (6-22-43) [info re D.M. Bernt, mechanic w/ Spreckels since 1897]

1941
Factory No. 2, Cost of Sugar (1937-est. 1941) [6 pp. blue paper]
F. J. Belcher, Jr. [President Spreckels Co.] Industrial relations policies for all companies & divisions of J.D. & A.B. Spreckels Co. (c1941) [5 pp.]
K.W. Lalor. Report on warehouse fire costs (1-13-41)
C.H. Dereheimer. Memo to C.J. Moroney re various Industrial Relations topics covered in earlier Moroney report (3-11-41) [4 pp.]
W.J. Resch - C.J. Moroney corresp. re slicing averages (5-29, 6-12, 1941) [2 items, 4 pp.]
Memorandum re procurement of maintenance & operating supplies (10-30-41) [2 pp.]
W.J. Resch. Survey of man hours, 1941 (2-13-42) [5 pp.]

1942
Results of discussion about authority, responsibility, etc. among various plant supervisors (4-14-42) [incl. Factory Supt., Chief Chemist, Master Mechanic; 6 pp.]
Job specifications for Factory Superintendent & Master Mechanic (6-5-42) [15 pp.]
Questionnaire for Assistant Master Mechanic (11-15-42) [3 pp.]

1943
A.A. Norman to W.J. Resch. (2-5-43) [Summary of 1942 operations, Factory #2] [3 pp.]
W.J. Resch to C.J. Moroney (3-2-43) [re closing down Factory No. 2; 2 pp.]
R.R. Grunsky to C.J. Moroney (3-8-43) [re labor problems due to War; 5 pp.]
A.A. Norman to Rose Rhyner [Honey Dew News staff] (6-22-43) [info re D.M. Bernt, mechanic w/ Spreckels since 1897]

1944
A.A. Norman. Notice re continued operation of Factory No. 2 (1944)

1946
"The Campaign of 1946 revealed the need..." (n.d.) [4 pp.]

1947
Sugar Factory Problems & Operating Techniques Forum (1947) [all mimeographed]
  - Announcements (3-6, 7)
  - Meeting No. 1 (3-14) [beet flumes; 2 pp.]
  - Meeting No. 2 (3-21) [knife station & slicer maintenance; 3 pp.]
  - Meeting No. 3 (3-27) [diffusion; 7 pp.]
  - Meeting No. 4 (4-3) [production of lime; 5 pp.]
  - Meeting No. 5 (4-17) [carbonation; 4 pp.]
  - Meeting No. 6 (4-24) [separation of precipitated calcium carbonate; 3 pp.]
  - Meeting No. 9 (5-1) [evaporation; 13 pp.]
  - Meeting No. 10 (5-15) [crystallization; 9 pp.]
  - Meeting No. 11 (5-23) [grain size, temperature & purity of massecuite; 7 pp.]

1948
  - B.O. Bauer. Discussion & review of the factors which effect plant efficiency at Factory #2, Manteca, Calif. (1948) [9 pp. mimeograph]
  - B.O. Bauer [?]. "Peak efficiency in relation to the manufacture of sugar..." (1948) [17 pp. mimeograph]
  - A.A. Norman. Summary of Campaign Operations [1948], Factory #2 (1-6-49)

- "Historical data- 1950-1959"

1950
  - W.A. McCann. Memo re conductivity & other tests (10-17)
  - E.J. Terrill. Memo re citric acid flocc tests (10-18) [2 pp.]
  - Do. 2nd memo re citric acid flocc tests (11-15) [3 pp.]
  - W.O. Bernhardt & R.A. McGinnis. Mem re hot phosphoric acid flocc tests (11-30) [5 pp.]
  - A.A. Norman to W.K. Gray. (12-20-50) [re exper. & investigation of possible means of eliminating flocc forming material in sugars]

1951
  - A.A. Norman to W.K. Gray (2-1) [Memo re floc forming material in sugar; 2 pp.]
    "Following are list of conditions related to formation of citric acid floc...
    (2-1) [4 pp. mimeograph]
  - Return of Hi Raw Sugar to second carbonation (2-1) [3 pp. mimeograph]
  - Hot phosphoric acid flocc tests on all sugars produced by Campaign #2, 1950 Crop (5-28) [9 pp.]
  - F.G. Eis. "Comments on hot phosphoric acid flocc tests..." (6-11) [2 pp. blueline]

1953
  - F.H. Ballou to I.A. Resch (1-5-53) [re Steffen Campaign at Woodland]
    3 misc. teletype messages:
    - A.A. Norman to H.E. Ross (3-16)
    - W.K. Gray to A.A. Norman (4-1)
    - A.A. Norman to W.K. Gray (4-1)
  - A.A. Norman to W.K. Gray (4-28, 29) [2 items re coarse sugar production]
  - C.E. Purvis to A.A. Norman (6-17-53) [re operating conditions that have affected amt. of floc]
  - B.O. Bauer. General information on operational improvements (after Jun 1) (11 pp.)
  - George H. Barr to A.A. Norman (7-1) [re floc test on bottlers' sugar; 3 pp.]
  - F.H. Ballou, Jr. to A.A. Norman (7-2) [re bottlers' sugar standards; letter, 1 pg.; article by H.E. Korab, "Bottlers' sugar standards ok'd," Food Engineering (3-53)]
  - A.A. Norman to R.A. McGinnis (7-9) [re Purvis report of 6-17]
F.H. Ballou, Jr. to A.A. Norman (7-14) [re production of Bakers' Special]
F.H. Ballou, Jr. to A.A. Norman (7-22) [re low foaming sugar packaging]
R.A. McGinnis to F.H. Ballou, Jr. (8-12) [re product quality; 2 pp.]
A.A. Norman to Shift Supts. (9-14) [production estimate for Fall 1953]
R.T. Smith to A.A. Norman (12-29) [re white sugar production, Fall Campaign]
Comprehensive Report all factories, 1953 [lacks title pg.; 5 pp. text + 13 graphs]

1954
A.A. Norman to Geo. Barr (2-19) [re 12-53 sugar production; teletype & ms. copies]
A.A. Norman-H.E. Ross correp. re screen samples of Bakers' Special sugar (3-2,4) [2 items; 3 pp.]
"California Beet Sugar Production by Factories" (7-19) [3 pp.; typescript, printed table]
H.E. Ross to A.A. Norman et al. (7-27) [re estimated 1954/55 sugar production + estimate, blueline]
F.H. Ballou, Jr. to A.A. Norman (7-29) [re estimated 1954/55 production]
Wm. H. Ottey to Charles de Bretteville (8-4) [re elimination of Honey Dew brand; thermofax]
A.A. Norman. Estimated sugar production for Fall Campaign, 1954 (8-25) [mimeograph]
A.A. Norman to M.E. Ross (9-17) [re Fall Campaign estimate; teletype & ms. copies]
A.A. Norman to F.H. Ballou, Jr. (10-15) [re Bauer report of 10-15]
F.G. Eis. "Project 50, Pt. 1. Effect of increased white filmass pH on the floc content of white sugar" (11-30) [3 pp.]
E.M. Hartmann to A.A. Norman (12-28) [re amt. of product rejected due to turbidity]

1955
R.A. McGinnis to A.A. Norman (1-7) [cover letter, typescript & dry sugar sampling schedule, blueline]
R.T. Smith. California Beet Sugar Production by Factories (7-11) [cover letter, typescript & table, 2 pp. printed]
H.E. Ross. "1955 Fall Campaign Sugar Production..." (10-20) [2 pp.]

1956
E.M. Hartmann to A.A. Norman (3-19) [re packing schedule; teletype]
W.A. McCann to R.A. McGinnis (4-4) [2 teletypes, misc. topics]
R.A. McGinnis to W.A. McCann (4-19) [re white strikes showing floc]
R.A. McGinnis. "Color control of granulated sugar produced" (3-16) [2 pp., thermofax]
E.M. Hartmann to A.A. Norman (4-5) [teletype misc. topics]
R.A. McGinnis-W.A. McCann (4-20) [teletype exchange re "cut-back" sugar]

1958
F.H. Ballou, Jr. to R.T. Smith (11-19) [re production adjustment, Fall Campaign; thermofax]

1959
S. Moore to Shift Supts. (3-16) [re 1959 Fall Campaign]
"A.K. Boyden, Jr. - Training Program" (1960-61)
"Continuous adsorption process paper for ASSBT Meeting in Denver, 1962"
"Manteca Planning Commission" (1964)
"Capital improvement, 1964"
"Manteca Planning - Annexation" (1965)
"Manteca Planning - Zoning, etc." (1965)
BOX 2: Operations: Technical History Files, Factory #2, Manteca

-"Manteca Planning - Fire Station" (1965)
-"Job elimination - melter - vacuum pump"
-"Job elimination - granulator - crystallizer"
-"Job elimination - minor mechanic"
-"Commodity control system installation progress report"
-"Job evaluation & description"
-"Job elimination - filter helper"
-"Job elimination - front end loader operator - beet storage slab"
-"Capital improvement program, 1965"
-"Capital improvements - general"
-"Cap - economic evaluation"

BOX 3: Operations: Log Books, etc.---Factory #2-Manteca

-Shift Supt.'s Log Book (7-26 to 12-11-33)
-Shift Supt.'s Log Book (8-26 to 12-18-40; Lime kiln chg., 1941 & 1942; 7-26 to 11-20-46)
-Watchman's Book (Mar-Dec 1942)
-Machine Shop Operations Book (4-1 to Sep 30, 1943)

BOX 4: Finances: Journal Entry Vouchers*---Factory #2-Manteca, 1917 (Jan-Sep)

Additional Note
*Often include bills from companies being paid; records usually list goods and/or services together with dates paid and amts. See Box 7 (1919) for a characteristic list of clients.

-Jan
-Feb
-Mar
-Apr
-May
-Jun
-Jul
-Aug
-Sep

BOX 5: Finances: Journal Entry Vouchers---Factory #2-Manteca, 1917 (Oct-Dec)

-Oct
-Nov
-Dec

BOX 6: Finances: Journal Entry Vouchers---Factory #2-Manteca, 1918 (Jan-Oct)

-Jan
-Feb
-Mar
-Apr
-May
-Jun
-Jul
-Aug
-Sep
-Oct

BOX 7: Finances: Journal Entry Vouchers---Factory #2-Manteca, 1918 (Nov-Dec); 1919
1918
- Nov
- Dec

1919 [See list of clients below]
- Jan thru Jun
- Jul & Aug
- Sep thru Dec

List of Spreckels Co. (Manteca) clients for 1919

Jan
First State Bank, Manteca
Oliver Chilled Plow Works, SF
John Finn Metal Works, Seattle
Schwabacher Fry Stationers, SF
Wood & Little Pumps, SF
Holbrook, Merrill & Stetson Plumbers, SF
Marshall-Newell Supply Co., SF
Goodyear Rubber Co., SF
Spreckels Auditing Dept.
Fred Skinner (mules)
Southern Pacific Co.

Feb
Berger & Carter Machinery Co., SF
Stockton Iron Works
Nutter & Hancock (attys.), Stockton
Club House, Manteca [living accommodations]
Irving Thompson [farming operations]
Dec. Payroll analysis
Spreckels Ranch #36, Escalon [food]

Mar
Stockton Record [adv.]
misc. individuals [house rentals, beet pulp sales, wage adjustments, etc.]
misc. small expenses [plowing, gas, eqpt., freight, auto license, etc.]

Apr
Southern Pacific [freight charges for beets]

May
misc. individuals & small expenses [travel, shipping, salaries]

Jun
Grange Co., Modesto [bags]
SF Chronicle [subscription]
Keystone Bros., SF [harness]
Sperry Flour Co., SF [food]
A.U. Morse & Co., SF [ropes]
Kingsford Fndry., Oswego NY
Pioneer Rubber Mills, SF
Garlock Packing Co., SF
United Filters, NYC
Pacific Portland Cement Co., SF

Jul
Ralphs-Pugh Co., SF [hose]
Dodge-Sweeney Co., SF [food]
Union Oil Co., Stockton
Western Sugar Ref. [hardware]
Keystone Lubricating, Phil. [grease]
C.W. Marwedel, SF [machinist's tools]
F.O. Stallman Supply Co., SF [machine tools]
Calif. Mill Co., SF [sugar paddles]
San Jose Mercury Herald [adv. for labor]
Stockton Daily Independent [adv. for labor]
SF Examiner [adv. for labor]
Salinas Daily Index [adv. for labor]
Salinas Journal [adv. for labor]
Western Pacific Railway (7) [shipping]
Southern Pacific Railroad (8) [shipping]
W. Mikesell [horses]
Associated Oil Co., SF
Juan Saldivar [field work]
E.F. Pica [horses]
J.H. Wallace [hauling]
Byron Jackson Iron Works, SF
Meese & Gottfried Co., SF [machinery]
Calif. Cotton Mills Co., Oakland [twine]
W.I. Clapp [advance on beet contract]
Bank of Pleasanton [Liberty Bonds]
White Bros. Hardwood, SF
L.R. Larzelere, SF [food]
Nolbrook, Merrill & Stetson, SF [plumbing supplies]
E. Rivera [labor contractor]
Lawrence Machine Co., SF [pump]
Ernest H. Du Vivier, NYC [knives]
W.W. Thomas, Plant Pathologist [travel]
Spreckels Sugar Co. [misc. hardware]
Willie Kaimi [warehouseman]

Aug
Southern Pacific Railroad (14) [shipping]
Western Pacific Railway (5) [shipping]
Spreckels Sugar Co. [soda ash, beets, hardware]
Henry Disston & Sons, Phil. [knife bolts]
Central Electric Co., SF
A.B. Patrick Co., SF [harness]
General Machinery & Supply, SF
H.C. Hacke, SF [soda ash]
Stockton Record [adv. for labor]
Marin Meadows Ranch [wheat straw]
J.H. Wallace, Manteca [hauling]
John T. Byrne, Alameda [insecticides]
State Prison, San Quentin [sacks]
misc. individuals [beet deliveries]

Sep
Lacey Garage, Salinas
Grange Co., Modesto [corn]
Chas. C. Moore Co., SF [hardware]
Dunbar Hansen Co., SF [potatoes]
J.J. Rawleigh, Manteca [cigars]
Spreckels Sugar Co. [August beet deliveries, hardware]
Geo. E. Butler, SF [thermographic charts, ink]
Frank Prewitt [field supt.]
G.P. Wright [lease hunting travel]
Southern Pacific Railroad
F.B. Cunningham, Manteca [hauling]
misc. individuals [beet deliveries]

Oct
White Co., SF [drive chains]
Daniel Hayes Co, Chicago [labor at Chowchilla Exper. Farm]
Isaac Upham Co., SF [stationery items]
Frank Prewitt [field supt.]
Wm. J. Hartung [beet experiment, Sierras]
Gust Skarles [labor transport]
Nov
Screw Machine Prod. Corp., RI [repairs]
Spreckels Sugar Co. [tractor, beets]
Isaac Upham Co., SF [stationery]
Felt & Tarrant Mfg., Chicago [adding mchn]
Sloss & Brittain Hardware, SF [bolts]
Dec
F.O. Stallman Supply Co., SF
Spreckels Sugar Co. [beets]
misc. expenses

BOX 8: Finances: Journal Entry Vouchers---Factory #2-Manteca, 1920-1927

- 1920 [100]
- 1921 [67]
- 1922 [21]
- 1923 [18]
- 1924 [75]
- 1927 [4]
- undated [2]

BOX 9: Finances: Journal Entry Vouchers---Factory #2-Manteca, 1944-Sep 1945

BOX 10: Operations: Log Books, etc.---FACTORY #1-SALINAS, 1948; 1954-1961

I. Log Books
1954
Fall 1955
1956
Fall 1957; Spring 1958
1958
Fall 1959; Spring 1960
Fall 1960; Spring 1961
II. Supt.'s Daily & Comparative Reports (Aug 6-Nov 29, 1948)

BOX 11: Operations: Log Books, etc.---FACTORY #3-WOODLAND, 1952-1957

I. Log Books
1952
1953
1954
1955
1956
1957

BOX 12: Blueprints of Spreckels Mills & Machinery

Additional Note
[materials located in H-A Conference Rm. Map Case, Drawer 14]

"B" [Numbering system created by Spreckels Sugar Co.---significance unclear, although some subject arrangement evident. All blueprints predating 1917 pertain to Factory #1, Salinas. Other drawings are of Factory #2, Manteca unless otherwise indicated.]
13---Carpenter & Blacksmith Shop: Details... (n.d.)
22---Powerhouse: Structural steel (1-18-17)
24---Main Bldg., Footbridge from: Structural details (1-24-17)
33---Warehouse foundation (3-8-17)
39---Railing around Beetwheel Pit (3-23-17)
44---Blacksmith & Carpenter Shop: Foundation (4-28-17)
47---Frame to support Elevator machinery (5-3-17)
51---Boiler House, Machine Shop, Power House (5-9-17)
52---Main Bldg. (?): Railings, lst fl. (5-11-17)
61---Main Bldg.: Structural steel---Checkered & perforated door plates (3-24-17)
63---Office partitions (5-29-17)
64---Office Bldg.: Sections (6-9-17)
68---Toilets (6-30-17)
70---Main Bldg. (?): Structural steel---Stairways & Railings (1-29-17)
71---Do. for 3rd fl. (3-20-17)
72---Main Bldg.: Structural details---Crystallizer Platforms (4-3-17)
73---Main Bldg. (?): Structural details---Dryer Shaft supports (5-3-17)
74---Warehouse: Steel Conveyor Platform (5-7-17)
77---Oiling platforms & safety guards (8-19-17)
78---Do.
79---Do. (8-15-17)
80---Do. (8-15-16!!)
99---Scale & Pump Houses (8-24-17)
100---Pump Houses (8-27-17)
101---Conveyor: Erection diagram (7-24-34) [2 sheets; torn]
102---Changes to 20" horizontal (2-25-35)
103---Structural details: Stairways & Railings (1-15-17)
111---Do. One story, 6 rm. Bungalow for Spreckels (3-1-17)
114---Spreckels Civil Engr. Dept. Design of Auto Shed (1-3-18)
116---Metallic Sash Operator Co. Spreckels, Manteca for E.F. Houseman Co. (4-17-17)
118---Detroit Steel Products Co. Sugar House 56 (#1 of 7) (12-14-16)
119---Do. (#2 of 7)
120---Detroit Steel Products Co. Manteca Sugar House 56 (#3 of 7) (12-14-16)
121---Detroit Steel Products Co. Manteca Sugar House 56 (#4 of 7) (3-1-17)
122---Do. (#5 of 7) (12-19-16)
123---Do. (#6 of 7) (1-17-17)
124---Do. (#7 of 7) (1-26-17)
126---Metals Construction Co. Details of gutters & ventilator (8-10-34)

"D"
1---Beet Wheel (1-3-11) FACTORY #1, SALINAS
2---Do. (torn; n.d.)
3---Beet Washer (3-15-16)
4---Beet Wheel (8-21-16)
5---Beet Washers & genl. arr. (8-29-16)
6---Beet Wheel Tappers (8-30-16)
16---Beet Washer: Platform (8-30-16)
17---Beet Washer: Guards & Assembly (8-11-17)
29---Beet Washer (?): Tailings Separator troughs & conveyor (3-4-17)
31---Beet Washer: Details of heads (2-28-16)
32---Beet Washer: Shell (8-24-16)
33---Beet Wheel: Detail of shafts, bearings & hubs (12-6-15)
34---Beet Wheel: Apron (8-29-16)

"E"
6---Beet Cutter: Spout to battery (4-7-17)
7---Beet Cutter: Clutch Operator hydraulic (5-11-17)
8---Beet Cutter: Details & spout to battery (12-21-11) FACTORY #1, SALINAS
9---Hoerner Automatic Scale Co. Class R2 Beet Scale (n.d.)
17---Beet Scale: Mercury Latch (9-1-31)

"H"

2---Diffusion Juice Liming Tanks: Details (9-11-16)
3---First Carbonators: Detail of one tank (12-26-16)
4---Carbonation Catch-all: General arr. (1-10-17)
6---Carbonators: Detail of shell (1-16-17)
7---Second Carbonators: Detail of one tank (1-19-17)
8---Carbonators: Detail of Catch-all (1-20-17)
9---Carbonators: Detail of CO2 piping & fittings (1-26-16)
10---CO2 piping from Lime Kiln to Washer to Pumps (2-6-17)
11---Arr. Diffusion Juice Liming Tanks (2-28-17)
12---Details of Diffusion Juice Liming Tanks (3-5-17)
13---CO2 piping from Pump to Carbonators (4-12-17)
15---Proportional lime feeding device (4-28-33)
16---Arr. of continuous carbonation (3-22-32)
17---Suppl. to H-15 (4-4-32)
17---Continuous first carbonation (3-30-32)
18---Continuous first carbonation electrode pole holder (n.d.)
19---Diagram of 1st & 2nd carbonation (n.d.)
21---Dorr Co., NY. Location of Dorr Thickener & piping (5-31-33)
22---Do. Dorr Thickener: Lagging & insulation (6-26-33)
23---Do. Platform over Dorr Thickener (6-12-33)
24---Do. The Dorr Tray Thickener (5-24-33)
25---Do. (6-1-33)
27---Do. The Dorr Thickener: General drawing of overload alarm (6-1-33)
28---Continuous 1st Carbonation Overflow Box (5-13-32)
54---Western Sugar Refinery: Proportional Feeding Device: General arr. (1-20-32)

"I"

6---Evaporator Supply Tank/Lime Slaker Supply Tank (2-20-17)
13---Dorr Co., NY (?). Thin Juice Boilers: Calandria shell details (3-24-33)
14---Do. Thin Juice Boiler: Arr. & details (3-27-33)

"K"

1---500 & 600 Filter Press: Genl. drawings (3-17-13) FACTORY #1, SALINAS
2---624 Filter Press: Detail of spring plate (12-19-16)
6---Foundation Sweetland Filtered Presses (n.d.)
7---Sweetland Filtere Presses: Top view showing sluicing pipe connections, n.d.
8---United Filters Corp. Welding assembly bottom drainage leaves (1-7-18)
20---Spreckels Civil Engr. Dept. (?) Drain valve (4-13-32)
21---Do. (?) Oliver Filters... (4-18-32)

"L"

1---Evaporators, 1st & 2nd effects: General drawing of shell (Feb) [probably 1907] FACTORY #1, SALINAS
2---Evaporators, 3rd, 4th & 5th effects: General drawing of shell (Feb 1907) FACTORY #1, SALINAS
3---Evaporators: Tube sheets showing vapor openings (12-29-16)
5---Quintuple Effect Evaporator (1-12-17)
8---Evaporator: Condenser fall pipes & beet bin line (4-11-17)
9---Quintuple Effect Evaporator (5-11-17)
10---De Cluy Baffles for Evaporators (5-14-17)
11---Evaporators: Front vapor chamber, 1st & 2nd effect (1-11-07) FACTORY #1, SALINAS
12---Evaporators: Tube sheet, 3rd, 4th & 5th effect (1-30-07) FACTORY #1, SALINAS
13---Evaporators: Tube sheet, 1st & 2nd effect (7-17-13) FACTORY #1, SALINAS
14---Evaporator Bat: Butter cup detail (2-1-06) FACTORY #1, SALINAS
20--Details for 3rd & 4th bodies of quadruples (Apr 1898) FACTORY #1, SALINAS
27--Evaporators: Vapor chamber covers (1-25-07) FACTORY #1, SALINAS
28--Evaporators: Back vapor chamber (1-24-07) FACTORY #1, SALINAS
29--Evaporators: Front vapor chamber (1-23-07) FACTORY #1, SALINAS

“M”
1---Vacuum Pan: Supply Tank genl. arr. (3-28-17)
2---Fall pipes from Vac Pan Condensers to Seal Tanks (3-31-17)
3---Piping: Vac Pan Supply Tank (5-2-17)
4---Vac Pan: Spout to Mixer (5-28-17)
5---Drip piping for Vac Pan (7-5-17)
7---Condenser for #1 & #2 Vac Pans (2-21-17)
8---Kilby Mfg. Co. Fittings for Vac Pan (7-14-16)
10--Do. Catch-all for Vac Pan (8-25-16)
15--Do. Condenser for Vac Pan (5-18-16)
17--Do. Foot Valve open mesh (3-20-17)
18--Do. Air vent pipe for Vac Pan (3-20-17)
19--Do. Stirring device for Vac Pan (3-20-17)
20--Do. Bearing Stand for Vac Pan (3-20-17)
22--Do. Shafts bearing support & Stirring Arm for Vac Pan (6-4-17)
24--Do. Vacuum Breaker Valve: Genl. detailed... (2-3-13) FACTORY #1, SALINAS
27--Do. Bottom & Cone for Vac Pan (3-20-17)
31--Do. Dome for Vac Pan (8-25-16)
46--Do. Detail of Foot Valve for Vac Pan (4-21-05) for HOLLY SUGAR
47--Spreckels Civil Engr. Dpt. Condenser for 14' Coil Pan (n.d.)
48--Joubert & Goslin, Birmingham AL. 6" Bell Eye Glass (4-12-24)
51--Goslin Birmingham Co. Coil Pan: Gnl. arr. (5-15-31)
52--Do. Coil Pan: Wash piping for eye glasses (5-2-31)
53--Do. Coil Pan: Gnl. arr. Sprinkler (5-6-31)
54--Do. Coil Pan: Assembly of Sprinkler (5-5-31)
55--Do. Coil Pan: Details of Sprinkler (5-1-31)
56--Goslin Birmingham Co. Coil Pan: Sprinkler details (4-28-31)
57--Do. Coil Pan: Vacuum Breaker details... (4-27-31)
58--Do. Coil Pan: Manifold & Vacuum Breaker (4-24-31)
59--Do. Coil Pan: Plan of Coil Frames (4-18-31)
60--Do. Coil Pan: Special braces & connecting clips (5-13-31)
61--Do. Coil Pan: 16" Manhole details (4-15-31)
62--Do. Foot Valve: Gnl. arr. of... (4-11-31)
63--Do. Coil Pan: Detail of uprights (4-14-31)
64--Do. Coil Pan: Catch-all & uptake (3-19-31)
66--Do. Coil Pan: Coil flanges, connections, etc. (4-8-31)
67--Do. Coil Pan: Bottom (3-17-31)
68--Do. Coil Pan: Coil frames (4-6-31)
69--Do. Coil Pan: Arr. of coils (4-21-31)
70--Do. (3-31-31)
71--Do. Coil Pan: Coil "B" arr. (3-20-31)
72--Do. Coil Pan: Coil "A" arr. (3-19-31)
73--Do. Coil Pan: Coil Frame (4-4-31)
74--Do. Coil Pan: Liquor Belt (3-9-31)
75--Do. 24” Foot Valve: Works & gear segment (4-11-31)
76--Do. 24” Foot Valve: Bearing bracket (4-10-31)
77--Western Sugar Refinery. Vacuum Pan: Internal jouice charging line (n.d.)
89--Joubert & Joslin Co. Straight Proof Stick Standard (8-24-16)
90--Goslin Birmingham Co. Special Angle Proof Stick 30% (3-19-31)
91--Do. 24” Bottom Foot Valve: Body (4-9-31)
92--Do. 24” Direct Foot Valve: Valve arm (9-31)
93--Do. Coil Pan: Coil Clamp (3-20-31)
94--Do. 24” Dir. Foot Valve: Valve disc ring & gasket (4-9-31)
95--Spreckels Civil Engr. Dpt. Agitator Shaft Valve Pan: Details of lower bearing (1-4-37)
"N"

1---Green Syrup Tank (1-16-11) FACTORY #1, SALINAS
2---Green Syrup Tank (1-16-11) FACTORY #1, SALINAS
3---Green Syrup Tank: Details (1-16-11) FACTORY #1, SALINAS
4---Sugar Melter: Details of shaft, stirrer (2-1-16)
5---Sugar Melter: Assembly (2-2-16)
6---Centrifugals: 40° elevation (3-16-17)
7---Melter Gears & Beet Depulper: Safety guards (8-22-17)
8---Centrifugals: Brackets for idler beams (12-11-11) FACTORY #1, SALINAS
9---Centrifugals: Filling block... (5-23-17)
10--Centrifugals: Detail of syrup gutters (4-10-17)
12--Centrifugals: Fl. plates under (2-18-07) FACTORY #1, SALINAS
13--Centrifugals: Detail of chute for conveyor (4-9-17)
14--Centrifugals: End elevation (4-16-17)
15--Centrifugals: Detail of Mixer for "firsts" (3-29-17)
16--Centrifugals: Idler (5-8-07) FACTORY #1, SALINAS
17--Centrifugals: Details of additional gutters (5-21-17)
18--Centrifugals: Bolster for shaft for "first" sugars (12-12-11) FACTORY #1, SALINAS
19--Centrifugals for "firsts" (4-20-17)
20--Centrifugals for "seconds" (4-23-17)
21--Centrifugals: Detail of Bolster for driving shaft (12-14-11) FACTORY #1, SALINAS
22--Centrifugals: Detail of Bolster for shaft for "first" sugars (12-12-11) FACTORY #1, SALINAS
23--Centrifugals: Detail of pinion & countershafts (5-18-17)
24--Centrifugals: Shafts for 14" Scroll Conveyors (4-7-17)
25--[Mixer] (12-7-11) FACTORY #1, SALINAS
26--Centrifugals: Detail of leg for back shaft... (12-11-11) FACTORY #1, SALINAS
27--Western Sugar Refining. Centrifugals: Safety suggestions (1-17-17)
28--Centrifugals: Hanger for supporting conveyors (5-1-11) FACTORY #1, SALINAS
29--Centrifugals: Angles for syrup pipes (12-14-11) FACTORY #1, SALINAS
30--Centrifugals: Drilling plan of beams supporting... (3-22-17)
31--Centrifugals: Top-bearing bracket for bucket... (5-18-17)
32--Centrifugals [?]: Details of stops for shutters (3-27-99) FACTORY #1, SALINAS
33--Centrifugals: 2-Mixers, Conveyors (6-4-17)
34--Centrifugals: Beams over idlers "firsts" (12-16-11) FACTORY #1, SALINAS
35--Centrifugals: Bolts & plates for leg... (5-25-17)
36--Centrifugals: Detail of bolts & plates for leg (1-8-03) FACTORY #1, SALINAS
37--Centrifugals: Shells for Scroll Conveyors (4-7-17)
38--Centrifugals: Beams over back shafts "firsts" (5-22-17)
39--Centrifugals: Top-bearing bracket for bucket (5-18-17)
40--Centrifugals: Bolts & plate for Baster... (5-26-17)
41--Centrifugals [?] Bolt Separators (1-19-05) FACTORY #1, SALINAS
42--Centrifugals [?]: Details of bolts & plates for supporting bolster... (1-7-03) FACTORY #1, SALINAS
43--Centrifugals [?] Beam Separators (11-30-04) FACTORY #1, SALINAS
44--Centrifugals: Driving Shafts (12-11-11) FACTORY #1, SALINAS
45--Western Sugar Refinery. Centrifugals: Detail of idler pulley for motor drive (9-11-23)
47--Centrifugals: Detail of bolster for driving shaft (12-12-11) FACTORY #1, SALINAS
50--Western Sugar Refining. Centrifugal (Weston) (7-24-09) FACTORY #1, SALINAS
51--Centrifugals [:]: Transfer Conveyor from white to brown sugar scrolls (4-5-33)
52--Centrifugals: Addtnl. brown sugar arr. (4-21-33)
53--Centrifugals: Steel bases (2-18-32)
54--Centrifugals: Changes in 2nd fl. framing under... (2-25-32)
55--Centrifugals: Scroll Conveyor on Syrup Gutter... (6-1-32)
56--Centrifugals [:]: Brown sugar mixer extension (2-10-32)
57--Centrifugals: Back shaft & mixer shaft extension (6-3-32)
58--Centrifugals [:]: Gate details (6-9-34)
59--Centrifugals: Bill of material for one complete discharger (3-7-33)
60--Centrifugals: White Discharger---rack & pinion shafts (3-18-33)
61--Centrifugals: White Discharger---hand wheel & stop (3-4-33)
62--Centrifugals: White Discharger---Gnl. arr. (2-3-21)
63--Centrifugals: White Discharger---details (2-20-20)
64--Centrifugals: White Discharger---bearing (2-20-20)
65--Centrifugals: White Discharger---plow (4-9-20)
66--Centrifugals: White Discharger---curb bracket (2-20-20)
67--Western Sugar Refinery. Friction Pulley---Timken Bearing (11-18-31)
69--Heating Scrolls: Brown Sugar Mixer---arr. (4-16-34)
70--Heating Scrolls: Brown Sugar Mixer (4-19-34)
71--Heating Scrolls: Brown Sugar Mixer---details (4-18-34)
74--Dicalite Feeder (5-8-26)
77--Atkomatic Valve Co. Valve for centrifugal wash water (7-17-46)
81--American Crystal Sugar Co., Oxnard. Automatic separation of centrifugal syrups (12-7-34)

"O"
1---Bearing support for worm shaft (10-17-10) FACTORY #1, SALINAS
2---Crystalizers: Gnl. arr. (8-14-11) FACTORY #1, SALINAS
3---Crystallizers: Shell details (8-21-11) FACTORY #1, SALINAS
4---Crystallizers: Details of troughs below (8-21-17)
5---Crystallizers: Details of troughs to (4-6-17)
6---Do. (4-11-17)
7---Crystallizers: Gnl. drawing lower troughs (5-7-17)
8---Crystallizers: Troughs---gnl. drawing (5-8-17)
9---Crystallizers: Troughs---details, lower (5-9-17)
10---Crystallizers: Safety guards for belts & sugar dryer wheels (8-25-17)
11---E.A. Rose, Inc. Dvptm. of 14" pipe, showing arr. (1-18-52)
12---E.A. Rose, Inc. Details of Trunions, Stuffing Box, etc. (1-21-52)

"P"
2---Wet Sugar Bin (3-16-17)
3---Sugar Dryer (3-23-17)
4---Sugar Dryer: Hot air pipes (4-11-17)
5---Sugar Dryer: Gnl. arr. (4-14-17)
6---Sugar Dryer: Piping (4-19-17)
7---Sugar Dryer: Arr. of Wet Sugar Bin (4-23-17)
FACTORY #1, SALINAS
12--Centrifugals: Head shafts for bucket elevator (4-11-17) FACTORY #1, SALINAS
13--Sugar Hopper: Details of Stirrer (Feb 1913) FACTORY #1, SALINAS
13--Do. [drawing as above, but annotations in red pencil differ]
14--Elevator Leg: Details, wet sugar (4-3-17)
15--Granulator: Details (Mar 1917) FACTORY #1, SALINAS
16--Hoepner Automatic Scale Co., Chicago. Sugar Scale (n.d.)
18--Spreckels Civil Engr. Dpt. [?] [Untitled] (6-5-24)
20--Dust Collector Arr. (6-13-24)
SERIES I: SPRECKELS CALIFORNIA SUGAR FACTORIES
BOX 12: Blueprints of Spreckels Mills & Machinery

Register of the Spreckels Sugar Company Collection MS 282

21--Platform for Dry Sugar Elevator (6-12-24)
22--Granulator: Housing for discharge end (6-11-24)
23--Granulator: Dry Sugar Bin & Elevator Chute (6-11-24)
24--Granulator: Housing for feed end, 2nd fl. (6-10-24)
25--Granulator: 2nd fl. (6-9-24)
26--Dry Sugar Elevator (6-7-24)
35--Parsons Automatic Scale Co., Berkeley. Sugar Scale (n.d.)
35--Do.
35--Do. Sugar Scale: Parts list (n.d.)
38--Special 6' x 3' Dyer Shell (2-28-17)
39--Dryer: Ext. Ecreen (4-26-17)
42--Spreckels Civil Engr. Dpt. [?] Sugar Hopper (Feb 1901) FACTORY #1, SALINAS

"R"
17--Boiler House: Gnl. arr. mchnry (3-23-20)
23--Do.: Elevators (3-26-20)

"S"
7---Lime Kiln: Assembly (2-8-17)
8---Lime Slaker (3-10-17)

"T"
1---House No. 56: 2nd fl. plan (1-3-17)
2---Do.: 3rd & 4th fl. (1-4-17)
3---Do.: 1st fl. (1-10-17)
4---Air Receivers... (2-2-17)
6---Boiler & Power Houses: Main steam line (3-8-17)
7---Main Bldg.: Main steam line (3-14-17)
8---Main Bldg., 1st fl., Beet End: Gnl. arr. mchnry. (3-27-17)
10--Vacuum Pan: Exhaust piping (4-4-17)
11--Main Bldg., 1st fl., Middle sect.: Gnl. arr. mchnry. (4-5-17)
14--Exhaust piping from Main & Generator Engines (4-12-17)
15--2nd, 3rd & 4th effect vapor lines (4-12-17)
16--Vapor pipe from 1st effect... (4-12-17)
17--Vapor pipe from 1st effect to Vac Pan (4-13-17)
20--Machine Shop: Gnl. arr. mchnry. (4-18-17)
21--Mchnry. fdtns. (4-20-17)
23--House plans, 1st fl. (5-7-17)
24--Do., 2nd fl. (5-10-17)
25--Do., 3rd fl. (5-15-17)
26--Main Bldg., 2nd fl., Beet End: Gnl. arr. mchnry.
27--Main Bldg., 3rd fl., Pan Sugar End: Gnl. arr. mchnry. (5-15-17)
28--Main Bldg. [?], 4th fl. (5-16-17)
29--Main Bldg. [?], 3rd fl. Beet End: Gnl. arr. mchnry. (5-17-17)
30--Main Bldg. [?], 2nd fl., Sugar End: Gnl. arr. mchnry. (5-18-17)
31--Main Bldg. [?], 4th fl.: Gnl. arr. mchnry. (5-19-17)
32--Main Bldg. [?], cross sections, 1-6: Gnl. arr. mchnry. (5-25-17)
33--Main Bldg. [?], cross section 6: Gnl. arr. mchnry. (5-28-17)
34--Main Bldg. [?], 1st fl., Sugar End: Gnl. arr. mchnry. (5-3-17)
35--Main Bldg. [?], cross section 9: Gnl. arr. mchnry. (6-5-17)
36--Main Bldg. [?], longitudinal sections (6-8-17)
37--Main Bldg. [?], cross sections (6-13-17)
38--Main Bldg. [?], Sect. 18 (6-14-17)
39--Main Bldg. [?], Sect. 12 (6-14-17)
40--Main Bldg. [?], longitudinal section, col. A1 to A9 (6-16-17)
41--Main Bldg. [?], longitudinal section (6-23-17)
42--Main Bldg. [?], H Side, Beet End (7-2-17)
43--Main Bldg. [?], H Side, Sugar End (7-6-17)
44--Diffusion Battery Evaporators: Exhaust piping (4-10-17)
45--Carpenter Shop: Gnl. arr. mchnry. (8-16-17)
47--Spreckels Civil Engr. Dpt. Location of Steam Separator... (4-4-32)
48--Sewartout Co., Cleveland. Receiver Type Separator (3-8-33)
51--General Electric Co. Type D-58 GE Mechanical Drive Steam Turbine (8-15-32)
51--Do. Outline Ist made for GE Turbine Type D-59 (11-9-34)
54--Blower Belt: Assembly of detail of safety guards (8-22-17)
55--Hamilton Corliss engine (1-7-17)
56--Hooven, Owens, Rentscher Co., Hamilton OH. Hamilton Corliss engine: Gnl. pos. sheet (1-24-16)
59--Hamilton Corliss engine: Temple for (2-3-16)

Unnumbered
- Chas. C. Moore & Co., SF. Moore Patent Automatic Fuel Oil Regulating System: Arr... (6-5-17)
- Do. Steffens Process: Proposed method of adding lime... (9-5-32)
- Do. Steffens Process: Proposition No. 3: Gnl. arr. of proposed Steffens Addtn. (11-30-3)
- Do. Steffens Process: Proposition No. 4: do. (12-8-32)
- Do. Steffens Process: Study sketch of a Steffen Cooler... (12-29-32)
- Do. Granulator (10-8-36) FACTORY #3, WOODLAND
- General Electric Co., Erie PA. Locomotive (6-4-47)
- Spreckels Civil Engr. Dpt. Evaporator Tube Sheets (10-9-50)

BOX 13: Photographs [chiefly Factory #2, Manteca]

Additional Note
N.B.---All images 5" x 7" b/w glossy unless otherwise indicated; only titled views are listed; if no title is given subject is unidentified, although included in image count.

- Beet harvest
  2
  "The 1915 Beet Harvest"
  "Topping & loading sugar beets by hand"
  3 (4 x 5)

- Beet receiving
  4
  "Beet trucks at scale..."
  "Three wheeled scoop loading beets onto conveyor"
  "Dumping beets into rail car"
  4 (4 x 5)
  "Fluming bats into the factory"
  15 (3.5 x 4.25)
  "Over-all of road system for beet receiving" (12-30-66)
  "Frmwork going up for spiral rolls at beet rcvg. station" (12-30-66)
  "East incline at beet receiving station going in" (1-12-67)
  "Truck dump hopper" (1-17-67)
  "One incline in at beet receiving station" (1-17-67)
  "Beet receiving spiral rolls" (1-19-67)
  "Beet receiving" (1-24-67) [2]
  "Truck dump" (1-24-67)
  "Installing truck dump A frame hoist" (2-9-67)
  "Incline belt coming into Main Bldg." (3-1-67)
  "Incline belt inside Main Bldg." (3-7-67)
  "Beet receiving over-all view" (3-7-67)
  "First car to receive beets thru new handling system" (3-7-67)
  1 (4 x 6)
  "Wearing rubber boots" [worker dumping beats onto conveyor]
  1 (6.25 x 6.75)
[beets on conveyor]
1 (7.25 x 8)
"Spring run starts" (3-24-60)

-Control Room
1 (6.5 x 8.5)

-Facilities: Aerials
6 (8 x 10)
"New Sugar End under construction" (1966)
"Waste water ponds"
"Lime ponds on R, waste water pond on L"

-Facilities: Bldgs.
19
"Sugar End of factory under construction, 1917"
"Foundations for the Roberts Diffusion Battery"
"View of Sugar End & Beet End of factory, Sept 1917"
"Construction of beet end of Manteca factory"
"1950's photo of old bunkhouse in Eucalyptus Grove"
"Office Bldg., 1917"
"Quonset huts in Eucalyptus Grove after the War"
"Cottage under constr. along Yosemite Ave., Manteca, 1917"
"Pounding foundation pilings for sugar silos" (1950s)

3 (3 x 4)
2 (3.25 x 4.25)
"Pulp Whse. as of July 28, 1959"
"Whse. constr. as of Aug 11, 1959"
2 (color 3.5 x 5)
6 (3.75 x 5)
"Chemical warehouse, burned down 1980s"

21 (4 x 5)
1 (5 x 6.5)
1 (6 x 6.5)
[bulk sugar silos, 4-2-65]
1 (6 x 8)
9 (8 x 10)

-Facilities---Construction (1959)
30 (Polaroids; 3.25 x 4.25)
"Pulp dryer..., 1959"
Do. [2d view]
"General pulp drying facilities area..., 1959"
"Link belt conveyor fabrication progress..., 1959"
"Pulp drying facilities looking S from top of sugar bins..., 4-27-59"
"Pulp press bldg..., 5-1-59"
"May 11, 1959 - looking from bins"
"May 11, 1959 - looking SE from offices"
"Progress as of 6-1-59"
Do. [2d view]
"Pulp drier - construction progress, July 20, 1959"
"Contract progress on molasses storage tank..., July 28, 1959"
"Progress as of 8-1-59"
Do. [2d view]

-Facilities---Construction (1967)
85 (Polaroids; 3.25 x 4.25)
"#3---Framework for new shuttle conveyor" (12-30-66)
"#4---New scale house & scale for loaded beet trucks" (1-30-66)
"#5---Ready to pour new heater deck floor" (12-30-66)
"#6" Do. [2d view]
"#7---New Union Iron Works boiler" (12-30-66)
"#8---New pulp drier" (12-30-66)
"#9---Resetting no. 1 evaporator" (1-6-67)
"#10---Resetting no. 1 evaporator" (1-6-67)
"#11" Do.
"#12---5 evaporators in and 1 heater going in" (1-12-67)
"#14---Framework for new shuttle conveyor" (1-12-67)
"#15---Beet handling area & site of future trash catchers..." (1-12-67)
"#16---Last evaporator going up" (1-16-67)
"#17---Last evaporator going in" (1-16-67)
"#18---2nd last heater going in main bldg...." (1-14-67)
"#19---New Stord pulp presses" (1016-67)
"#20---Concrete work at new acid & caustic station" (1-16-67)
"#22---Setting 2nd spiral rolls (west)" (1-17-66 [sic])
"#24---Setting emergency hopper" (1-17-67)
"#25---Two pulp driers" (1-17-67)
"#26---Soon to be forgotten centrifugals" (1-17-67)
"#27---Confusion on new heater deck" (1-17-67)
"#28---17 Jan. 1967"
"#30---Beginning beet shuttle" (1-19-67)
"#31---Beet rolls steel progress" (1-19-67)
"#32---Beet wheel" (1-19-67)
"#33---Rock wheel going in" (1-19-67)
"#34---A bit of progress in beet washing area" (1-24-67)
"#38---Rock wheel & emergency hopper" (1-27-67)
"#39---Beet washer rolls..." (1-27-67)
"#40---Beet wheel" (1-27-67)
"#41---Lifting caustic storage tank from old location... (1-27-67)
"#42---New caustic storage area" (1-27-67)
"#43---More progress, beet washing eqpt. going in looking towards main bldg." (1-27-67)
"#44---Beet unloading area as seen from top of pulp warehouse" (1-27-67)
"#45---Beet washing eqpt. looking towards pulp warehouse" (1-27-67)
"#46---Top of Dorr tank area" (1-27-67)
"#47---2nd fl. bridge betw. electr. shop & main bldg...." (1-27-67)
"#48---Beet washing & trash handling machinery" (1-30-67)
"#49---New elevated beet flume going in" (1-30-67)
"#50---More confusing confusion" (1-30-67)
"#51---New trash disintegrator area" (1-30-67)
"#52---Typical jungle of pipes & conduits" (1-30-67)
"#53---New east pulp drier" (1-30-67)
"#54---Piping up evaps." (1-30-67)
"#55---New drier from top of pulp presses" (1-30-67)
"#56---New Union Iron Works boiler almost completed" (1-30-67)
"#57---Newly completed truck loading station for liquid sugar" (1-30-67)
"#58" Do. [2d view]
"#59---Beet washing facilities" (2-2-67)
"#60---New elevated flume" (2-2-67)
"#61---Beet washing area" (2-2-67)
"#62" Do. [2d view]
"#63---New incline conveyor from beet washing to main bldg." (2-2-67)
"#64---New scale house" (2-2-67)
"#65---Juice heater area" (2-8-67)
"#66---US filters being lagged" (2-8-67)
"#67---Trash catchers & trash belt area" (2-8-67)
"#68---Elevated flume & trash catchers" (2-8-67)
"#69---Beet washing & disintegrator area" (2-8-67)
"#70---Shuttle conveyor being lifted so wheel assemblies could be set underneath" (2-9-67)
"#71" Do. [2d view]
"#72---Elevated conveyor between truck dump & hi line conveyor" (2-8-67)
"#73" Do. [2d view]
"#74---Lifting last section of incline beet conveyor into place" (2-9-67)
"#76---Looking up length of incline beet conveyor towards main bldg." (2-9-67)
"#77---A portion of the lab & engineer's office being torn down..." (2-16-67)
"#78---Looking out of the lab" (2-16-67)
"#79---Making way for the new sugar end" (2-16-67)
"#80---Heater area" (2-28-67)
"#81---New north wall on lab-office bldg." (2-28-67)
"#82---New locker rm. slab, smaller lab-office bldg." (2-28-67)
"#83---Beet clean-up area" (2-28-67)
"#84---Shuttle conveyor" (2-28-67)
"#85---Beet wheel & trash catchers" (2-28-67)
"#89---Ist beets for rail loading coming from truck dump hopper" (3-3-67)
"#91---Ist beets going towards hi-line & rail loading" (3-3-67)
"#92---Ist beets going onto rail loading incline" (3-3-67)
"#96---Walls of new locker rm. going up" (3-7-67)
"#98---Ist beets" (3-3-67)
"#99---Last of the old locker rm." (4-5-67)

-Facilities: Eqpt.

21 (5 x 7)
"#2---Standard liquor filters"
"#3---Mud settler"
"#4---Ion exchange filters for beet juice"
"#5---Control panel of pan floor"
"#6---Continuous centrifugals"
"#7---2000 lb. bag loading station"
"#9---Cane sugar melting station"

"Powder mill"
"The powdered sugar packer has two packing heads..."
"Powdered sugar packing machine"
"Inside view towards Sugar End, 1917"
"Sugar End inside, 1917"
"Steam engine"
"View of Beet End Roberts Battery"
"Slicer station..." (1956)
"Moving cokie pile to be sent to Salinas & Woodland"

1 (3.25 x 4.25)
1 (3 x 5)
12 (color 3.5 x 4.5)
1 (3.75 x 5)
1 (3.75 x 4.5)
22 (3.75 x 4.75)
"Filter press"
"Sweetland Filters, plate & frame"
"N end of mill"

2 (4 x 4.5)
"Centrifugals"

27 (4 x 4.75)
"Generator"
"North end of mill"
"Close-up of centrifugals"
"Oliver Rotary Filter removing lime"
"Sugar drier"
"Boilers #1-7"
"South end of mill"
"Sugar melter"
25 (4 x 5)
  "Dried sugar in drier"
  "Beet slicers"
  "Evaporator"
  "Beet lift wheel"
1 (5 x 6.5) "New generator" (3-25-65)
10 (8 x 10)
  [untitled, "10-8-51"]
  "Lime loading"

-Facilities: Eqpt., 1963
  1 (3.75 x 4)
  "Vacuum pans"
3 (4 x 4)
  "General view"
  "Eqpt."
  "Generators"
2 (4 x 4.5)
  "Conveyor"
  "Pulp pressers"
1 (5 x 6)
  "Kiln"
1 (6 x 6.5)
  "Centrifugals"

-Facilities: Property & Plant
  20
  "Excavating Manteca factory foundation" (1917)
  "Construction camp of the Dyer Co. in Eucalyptus Grove..." (1917)
  "Unloading machinery from rail cars, 1917"
  "Factory under construction, looking NW" (1917)
  "Putting roof on sugar warehouse" (1917)
  "View of sugar warehouse under construction" (1917)
  "Derrick on sugar warehouse foundation" (1917)
  "Bulk sugar storage bin" (1950)
  "Truck receiving station at factory" (1950)
  "New continuous diffuser..." (1956)
  "New pulp dryer in Manteca" (1959)
  "Railroad hiline for unloading beets"
  "Pilings for rail h. line"
  "Derrick crane"
6 (color 3.5 x 4.5)
19 (color 3.5 x 5)
  [misc. general views of factory]
23 (4 x 5)
  2 (4.5 x 6)
  [1959]
1 (5 x 8)
4 (6 x 7)
1 (6 x 8.5)
1 (6.25 x 6.5)
  "Going up"
4 (6.5 x 7.75)
  "Tower diffuser"
  "Largest in industry"
  "Progress report"
  "Two cranes"
1 (6.5 x 9)
12 (8 x 10)
"Huge sloped diffuser"
"Ponding area"
[five views of cattle pens numbered #1-5 on face, upper l.h. cor.]
[two views numbered on face, lower r.h. cor.; two holes punched on l.h. side]
2 (color 8 x 10)
-Historical
22 Illustrations in Marleau's It's been a rough old sea
1 (3.5 x 5.5)
Mule team hauling sugar (c1915)
1 (5.25 x 8)
Burning old beet sheds (1950s)
-Lab
1
"Manteca tare lab, 1916"
1 (3.5 x 4)
"Sparkling" [lab general view]
4 (4 x 5)
-People
78 (5 x 7) [# in brackets refer to packet # in folder]
Anderson, Wilma ---woman's bowling team (1965) [#12]
Arnold, Jack---sugar loader [#1]
Baron, Al ---bowling team (1965) [#12]
Bayer, Stanley D.---assistant field superintendent (1963) [#5]
Bennett, Roy ---driver, volunteer ambulance service (1955) [#12]
Bordenkircher, Don ---union president (1963) [#5, 10]
Brent, Martin D.---master mechanic (1950) [#8]
Brooks, Ed ---associate chemical engineer (1963) [#5]
Bruner, Guy ---#6
Bush, Betty ---compiles statistics in main lab (1963) [#5]
Cambell, Les ---bowling team [#10]
Cardoza, Sue ---sugar desk clerk (1961) [#11]
Caster, Paul B.---special assistant [#8]
Coke, J.E.---50th anniv. [#3]
Connors, Pat ---sugar loader [#6]
Cork, Ken ---bowling team (1965) [#12]
Cox, Roy ---union officer (1963) [#5]
Dahl, Dorothea---inside pumps [#2]
Del Luck, Mayor ---bowling team? [#10]
DeYoung, George---sugar boiler [#4]
Dickenson, Kyle ---union officer (1963) [#5]
Diehl, George ---#6
Duran, Alfonso ---golf team (1952) [#10]
Dutant, Linda ---P.B.X. operator (1961) [#11]
Fabbri, Olga---Sportsman's Parade [#1]
Fairbanks, Mary Lou---superintendent's clerk [#1]; (1963) [#5]
Farnam, W.E.---50th anniv. [#3]
Fisher, Lois---laboratory (1919) [#3]
Foster, Tony---union officer (1963) [#5]
Friedman, Ron ---payroll clerk (1961) [#11]
Fritz, Charlie ---union secretary (1963) [#5]
Gathercoal, Mike ---assistant chief chemist (1963) [#5]
Gordon, Walt ---sanitation supervisor (1963) [#5]
Grove, Arthur---laboratory (1919) [#3]
Guibor, Harry ---assistant manager mechanic (1963) [#5]
Haley, Charlotte ---clerk-typist and add-punch operator (1963) [#5]
Hartley, Ned ---maintenance scheduling clerk (1963) [#5]
Hayes, Ronald---50th anniv. [#3]
Henry, Bert K.---treasurer Spreckels [#4]
Hitner, Tom ---union officer (1963) [#5]; (1952) [#12]
Hore, George M. ---president (1953) [#12]
Horn, Ernest---union officer (1947-48) [#3]; (1954) [#12]
Hutchings, Ken ---bowling team (1965) [#12]
Jarwin, Phil ---golf team (1952) [#10]
Johnson, George ---sugar loader and golf & bowling team (1952) [#6, 10, 11]; (1965) [#12]; past president lions club (1955) [#12]
Johnson, Grant---union treasurer (1963) [#5]
King, Leroy---union president (1950) [#4]
Kloppenburg, Van ---office manager (1963) [#5]; (1961) [#11]
Knelling, Phil---union officer [#3]
Kolb, Lloyd --- (1954) [#12]
Lacey, Fred ---golf team (1952) [#10]; (1965) [#12]
LaPlace, Robert---50th anniv. [#3]
Lee, Boyd ---bowling team (1965) [#12]
Little, Eldon ---bowling team (1965) [#12]
Longley, Jean---laboratory [#2]
Lucey, Fred ---bowling team ( 1963) [#11]
Luck, Delbert E. ---master mechanic (1956) [#12]; councilman (1955) [#12]
Lusk, Floyd---sugar boiler and loader [#4, 6]
Lylons, Nina---agricultural secretary (1963) [#5]; (1961) [#11]
Lyons, Gordon---50th anniv. [#3]
Lyons, Virginia---laboratory (1919) [#3]
Marlow, Ernest ---food preparer (1951) [#12]
Marlow, Mrs. Ernest ---food preparer (1951) [#12]
Mannig, Jeannet---Sportsman's Parade [#1]
Manuel, Guy---50th anniv. [#3]
Mapstone, George---laboratory (1919) [#3]
McFall, Lucky ---bowling team (1965) [#12]
McKeany, E.L.---50th anniv. [#3]
Mekenzie, Ken ---bowling team (1965) [#12]
Melvin, H.F.---50th anniv. [#3]
Merdinger, Bee ---stores bookkeeper (1963) [#5]; (1961) [#11]; (1955) [#12]
Miller, Samuel E.---resident mgr. [#2]
Minier, Ken ---chief chemist (1963) [#5]
Moore, May Lou---Sportsman's Parade [#1]
Moore, Sam ---bolwing team? [#10]
Moore, Somers ---factory superintendent (1957) [#11]
Morano, Jim ---storekeeper (1963) [#5]
Moroney, C.J.---50th anniv. [#3]
Moulyn, Annette ---woman's bowling team (1965) [#12]
Myers, Jewell---beet bench chemist [#1]
Myers, Orrin ---bowling team (1965) [#12]
Nail, Joe ---beet end forman (1963) [#5]
Norman, A.A.---50th anniv. [#3]; director and past president (1955) [#12]
Ottey, W.H.---50th anniv. [#3]
Owens, Rube --- bowling team [#10]
Parker, Louis ---woman's bowling team (1965) [#12]
Parker, Marv ---cashier and ass. office manager (1963) [#5, 10]; (1961) [#11]; (1965) [#12]
Paulson, Pete ---[#6]
Pelt, Georgia Van ---receptionist and communication expert (1963) [#5]
Penny, Ruth---laboratory (1919) [#3]
Powers, Ed---sugar beet grower [#1]
Purvis, Cal ---golf team (1952) [#10]
Quinlan, "Skip"---bowling team? [#10]
Ratekin, John --- sugar loader [#6]
Redrick, Melvin --- locomotive operator [#4]
Reese, Jim --- bowling team (1963) [#11]
Resch, W.J. --- 50th anniv. [#3]
Ryan, Tom --- scout merit badge counselor (1955) [#12]
Saberniak, Clarence --- bowling team? [#10]
Schadeck, M.J. "Dutch" --- master mechanic [#8]
Schadeck, Mrs. "Dutch" --- food preparers (1951) [#12]
Schadeck, Tom --- golf and bowling team (1952) [#10]; (1963) [#11]; (1965) [#12]; committeeman boy scouts (1955) [#12]
Schumban, Fred --- union officer (1947-48) [#3]
Schwing, E.A. --- 50th anniv. [#3]
Shavers, Paul --- assistant cashier (1963) [#5]
Simon, Wm. J. --- [#9]
Smith, Al --- golf & bowling team (1952) [#10]; (1965) [#12]
Spella, Harold --- union officer (1947-48) [#3]
Spreckels, Klaus --- founder [#2]
Summers, Mrs. Tom --- food preparer (1951) [#12]
Summers, Tom --- head pipefitter [#8]; (1951) [#12]
Texeira, Lucy --- Sportsman's Parade [#1]
Theiler, Emil --- sugar loader [#6]
Valdez, Angie --- desk clerk and teletypist (1963) [#5]
Van Klompenberg, Harold ---? [#4]
Ward, Bill --- accountant (1963) [#5]
Westwood, Lorraine --- laboratory relief [#2]
Westwood, Mary [#2]
Wheeler, Don --- locomotive operator and union officer [#4]; (1963) [#5]
Whelan, Charles --- union officer (1947-48) [#3]; (1950) [#4]; (1961) [#11]
Williams, Tom --- bowling team (1963) [#11]
Woodworth, Dean --- laboratory (1919) [#3]
Woudstra, Louis --- sugar loader [#6]
Young, Irene --- purity bench chemist [#1]
Young, Max --- golf and bowling team (1952) [#10]; (1963) [#11]; past president lions club (1955) [#12]
Zirkle, Oley --- agricultural staff
1 (2 x 3)
1 (3.25 x 3.25)
2 (3.25 x 4.5)
Bell, Tom
Beunt, Martin
Connous, Tom
Goutermont, M.
Hood, Bill
Johnson, George
Lourenizos, Harry
Luck, Del
Miller, Emil
Mowrey, George
Neal, Marian
Neal, Roy
Norman, A. A.
Norman, B.
Poulus, Diamond
Schadeck, Dutch
Shattenberg, Al
Smith, Alex
Summers, Tom
Wulff, Ruther
Young, Max
12 (4 x 5)
Bernt, D. M.
Brinkman, Charles, yard foreman
Comer, W. E.
Fee, I.
Hedges, Trueman
Hedges, W. M.
Lourentzos, H. J.
McHaley, Lloyd
Norman, A. A.
Resch, W. J.
Schumm, Leonard
Stafford, H. M.
Utley, E. G. (1936)
Whelan, F. H.
Wilson, Art
Wulff, R. A.
1 (4.5 x 6)
2 (4.5 x 8)
1 (6.5 x 8)
3 (8 x 10):
Connors, Tom
Dad
Hoal, Bill
Moore, Somers
Nagle, Robert O., vice president Amstar Corporation.

-People & Eqpt.
22 [# in brackets refer to packet # in folder]
Bordenkircher, Don (1956) [#2]
Connors, Tom (1952) [#3]
Guibor, Harry (1951) [#3]
Hore, George (1956) [#2]
Horn, Ernie (1954) [#3]
Lacey, Fred (1954) [#3]
McCann, W. A. "Doc" (1956) [#2]
Nail, Bob (1954) [#3]
Redrick, Melvin (1952) [#3]
Schadeck, M. J. [#1]; (1952) [#3]
Schadeck, Tom (1956) [#2]
Schattenberg, Al (1951) [#3]
Schingler, George (1956) [#3]
Smith, Al (1950) [#1]; (1956) [#3]
Summers, Tom (1950) [#1]
Wise, Roy (1956) [#3]
2 (3.5 x 4.25)
4 (4 x 4.75)
1 (8 x 8.5)
5 (8 x 10)

-Processing
3 (color 3.5 x 4.5)

-Shipping
2 (color 3.5 x 4.5)
24 (color 4 x 6) [numbered #1-24]
1 (6 x 8)

-Spreckels: Chandler, Arizona
7 (8 x 10)
"A battery of"
SERIES I: SPRECKELS CALIFORNIA SUGAR FACTORIES
BOX 13: Photographs [chiefly Factory #2, Manteca]

"Indian medicine man"
"Initial step"
"Master control room"
"Part of the Vast"
"Raw material storage"
"Vacuum pans"

-Sugar
  1 (3.75 x 4.75) "Sugar on belt going to warehouse"
  3 (4 x 5)
  1 (color 4 x 5)
  2 (5 x 7)
  "These are the new 1/4 oz. individual cellophane packets"
  1 (5 x 8)
  1 (6 x 7.5) [Spreckels' 60th anniv. cake, 1957]

-Waste Treatment: Aerials
  2 (8 x 10)

-Miscellany
  3 (5 x 7)
  Dyer Co. Boarding House commissary meal ticket [photo]
  Newspaper adv. for workers (1918) [photo]
  WWII sugar ration card rcpt. [photo]

-Slides
  35 [October 1975]

-Not Factory #2, Manteca
  8 (3.5 x 4)
  "Not in Manteca" [old views of eqpt.]
  4 (color 3.5 x 5)
  "Not in Manteca" [views of eqpt.]
  1 (8 x 10)
  "Beet receiving, Mendota Factory"
  1 (3.5 x 5)
  Factory #1, Salinas (1980)

SERIES II: PHILIPPINE ISLANDS SUGAR FACTORIES

BOX 1: Pampanga Sugar Mills, Del Carmen, A - FINANCES (1946-1956)

-General File (prior to 1955) [incl. bkgrd.; photographs]
-General
-Board of Directors: Annual meetings
-Board of Directors: Monthly letter
-By-Laws
-Cash Rcpts. & Disbursements
-Connell Bros.
-Eqpt.
-Factory: General
-Factory: Capital improvements
-Farming Operations
-Finances: General
-Finances: Budget
-Finances: Dividends
-Finances: Interoffice stmts.
-Finances: 1955-56 Loan
-Finances: Note interest
-Do., 1947
-Do., 1948
-Do., 1949
BOX 1: Pampanga Sugar Mills, Del Carmen, A - FINANCES (1946-1956)

-Do., 1950
-Do., 1951
-Do., 1952
-Do., 1953
-Do., 1954
-Do., 1955
-Finances: Stmts., 1955-56

BOX 2: Pampanga Sugar Mill, Del Carmen, FL-PERSONNEL---MILL SUPT.

-Fleming & Williamson
-Fleming & Williamson: Audit notes
-Insurance
-Labor
-Labor allocation
-Legal counsel
-Loan Bank of America: Credit extension
-L.R.B. & M. [Lybrand, Ross Bros. & Montgomery, CPAs]
-Management Comm.
-Materials & supplies
-M.O. Corresp.
-Notes payable
-Pasumil Planters Assn.
-Pasumil Planters Inc.
-Personnel---Gnl.
-Personnel---Gratuity Pmts.
-Personnel---Retirement
-Personnel---Retirement Fund Investment
-Personnel---Mill Supt.

BOX 3: Pampanga Sugar Mills, Del Carmen, PERSONNEL---RAMON ALONSO - Z

-Personnel---Ramon Alonso
-Personnel---J.J. Brickley
-Personnel---Dayton
-Personnel---de Bretteville
-Personnel---Carlos Guanzon
-Personnel---Hilado
-Personnel---Infante
-Personnel---Richardson
-Personnel---R.T. Smith
-Personnel---Woods
-Philippine Exchange
-Philippine Sugar Assn.
-Philippine Trip, 1955
-Planters' advances
-Reports: Eqpt. operating
-Reports: Pampanga Sugar Mill, Annual (1948-1955)
-Santos vs. de Bretteville
-SEC [Securities & Exchange Comm.]
-Settlements: Cargo No. 1---"Old Dominion Mariner"
-Settlements: Cargo No. 2---"Kimikawamaru"
-Sugar: Milling & production
-Sugar: Molasses & alcohol
-Sugar: Sale of
-Sugar: Quotas