

WAR DEPARTMENT
ARMY AIR FORCES
MATERIEL CENTER

DISTRICT

JUNE 4 1942
Date of Preliminary Survey

INDUSTRIAL SURVEY

Date of Resurvey or Detailed Survey

I. GENERAL

1. Name of firm John R. Mac Gregor Lead Co.
2. Address 4520 W. 15th St., Chicago, Ill.
3. Rating: Thomas _____, Dun-Bradstreet _____, or
Approximate Physical Value of Plant \$50,000 Equipment only
4. Name and address of controlling firm NONE
(If part of another facility)
(Insert relationship, e. g., "Division of" or "Plant of," etc.)
5. Facility and official therein charged with government planning contracts
Mr. Morgan or Mr. J. R. Macgregor
6. Existing Army or Navy status of allocation _____
(To be filled in by Army Air Forces Dist. Office)
7. Name and title of principal officials
J. R. MACGREGOR PRES. H. T. MORGAN V.P. B. DICKSON SECY TREAS.
(Place name of official interviewed in parenthesis)
8. Past or present Contractor for War or Navy Department? YES (PRIME & SUB-CONTRACTOR)
NAVY
(If answer is "yes," state Bureau or Supply Arms and Service)

II. PLANT OPERATION

9. Location 4520 W. 15TH ST. CHICAGO, ILL.
(Full address only) (City) (State) (A. A. F. Proc. Dist.) (W. D. Proc. Zone)
10. A brief written description of plant layout, grounds, number and type of existing buildings, new construction of additional buildings and grounds in case of expansion or conversion of old buildings for expansion, etc.
RENTED - 2 ONE STORY BRICK & MILL CONSTRUCTION BLDGS WITH CONCRETE FLOORS PACHED WOOD TRUSS ROOFS IN WAREHOUSE STEEL ROOF IN PROCESS BLDG. FIRE EXTINGUISHERS
TOTAL SPACE APPROX 22,000 SQ FT { PROCESS BLDG. 60' X 150' WAREHOUSE 4 60' X 100' }
LAND SURROUNDING BLDG EAST SIDE APPROX 20,000 SQ FT

-1-

CYWI 17-004138

N 4041

11. Productive floor space area (exclusive of Office, Admin., etc.) 21,000 square feet.

12. Square feet in use 15,000 Not used 6,000 (STORAGE RENTED SPACE)

Minimum ceiling height 12 ft. Column Spacing NONE ft.

Maximum ceiling height 20 ft.

13. Is expansion possible YES (BY USING ADJACENT LAND FOR BLDG EXPANSION IF NEEDED) (Give details under par. 28)

14. Approximate number of productive employees (a) currently or (b) normally employed (working shifts, 8 hours, each)

a. 18 0 18 50 %
b. 25 0 25 50 %
(Male) (Female) (Total) (Per cent skilled)

15. Estimated maximum number that could be employed working 3 rotating shifts, 20 hours per day, 7 days per week, 25 Total.

16. In case of plant expansion, labor would be available:

YES (Readily) (With Difficulty) (Within 6 Mos.) (Within 1 year)

17. Number of aliens employed 0

18. Power and fuel:

a. Power 220 V A.C. Source ARMSTRONG PAINT & VARNISH CO. CHICAGO
(X) Electric (X) Steam () Gas () Diesel () Hydro
b. Fuel FUEL OIL FOR PROCESSING Source OIL - DEEROCK OIL CO CHICAGO
GAS (Kind) FOR PROCESSING GAS - PEOPLES GAS LT & CK CO CHICAGO

Approximate consumption per month:

	POWER	FUEL
For normal production (par. 13)	<u>42,500</u> KWH	<u>4,100</u> THERMS TONS <u>4,000</u> GALS.
For maximum production (par. 15)	<u>42,500</u> KWH	<u>4,100</u> THERMS TONS <u>4,000</u> GALS.
Additional estimated for contemplated expansion (Par. 13)	<u>42,500</u> KWH	<u>4,100</u> THERMS <u>4,000</u> GALS.

19. List processes involved in manufacturing your products, (example: stamping, forging, heat treatment, etc.)

a. MELTING & OXIDIZING b. SPINDING & DRYING c. PULPING WITH
PULVERIZING WEIGH & BAG INSPECTION
d. CARBONATING e. (MANUFACTURE OF SOLDER BARS) f. ROLLER GRINDING
& BEARING METALS g. LIQUID FILLS
(MAINTAIN CHEMICAL LABORATORY) h. CONTAINERS
i. INSPECTION -
CHEMICAL TESTING
100% ALL PRODUCTS

20. TRANSPORTATION AND SHIPPING FACILITIES:

- a. Capacity of private rail-siding 3 cars.
- b. Distance to nearest freight depot ON BELT LINE SWITCH TRACK miles.
- c. Distance to nearest airport 5 miles.
- d. Distance to nearest docks 3 miles.

21. List below principal normal peacetime products and yearly dollar value

PRODUCT (YEAR 1940)	TOTAL YEARLY PRODUCTION DOLLAR VALUE
LEAD OXIDE BASIC CARBONATE WHITE LEAD (DRY) " " " " (IN OIL) WHITE LEAD PAINT WHITE LEAD IN PULP (IN WATER) SOLDER BARS	750,000

22. ESTIMATED PRODUCTION IN DOLLARS DURING NEXT 12 MONTHS.

(Based on past performance and reasonable expectations)

a. *Prime Contracts.* Give value of all direct prime contracts for Army and Navy (including those under Defense

Aid program) now in effect

\$ NONE

If you have any military contracts placed directly by foreign governments,

give name NONE and value

\$ NONE

b. *Contributory Army and Navy Contracts or Orders.*

List below name of manufacturers to whom you are supplying products, materials or services for military use.	ITEM, MATERIAL OR SERVICES	APPROXIMATE DOLLAR VALUE ANTICIPATED
(1) FOR AIR SERVICES (Army, Navy and Other)		
<i>NONE</i>		
<i>NO ANTICIPATION</i>		
		Total \$
(2) FOR OTHER MILITARY SERVICES (Such as Ordnance, Quartermaster, etc.)		
<i>NONE</i>		
<i>NO ANTICIPATION</i>		
		Total \$

List on reverse side if space above is insufficient.

22. (Continued)

c. Civilian. Give estimated dollar value of products intended for normal civilian market \$ 350,000

If all or a portion of this production is considered vital to civilian welfare give comments on reverse side.

d. Free Capacity. Estimated dollar value of possible production not listed under a, b, and c, which includes expansion now in process and possible increase in additional machine and man hours \$ 400,000

e. Total of a, b, c and d. \$ 750,000

23. PRINCIPAL SUPPLIERS

NAMES OF YOUR PRINCIPAL SUB-CONTRACTORS OR SUPPLIERS ESSENTIAL TO THE MILITARY PRODUCTION LISTED UNDER PAR. 22, a AND b.	ITEM, MATERIAL OR SERVICES	ESTIMATED PROBABLE DOLLAR VALUE
RE - PAR 22, a + b NOTHING	NOTHING	
FOR CIVILIAN MARKET PRODUCTS		YEARLY
ST JOSEPH LEAD CO.	LEAD	200,000
U.S. SMELTING & REFINING	"	
AMERICAN METAL CO	"	
LIQUID CARBONIC CORP.	DRY ICE	12,500
ARMSTRONG PAINT & VARNISH CO	LINSEED OIL	25,000
RAYMOND BAG CO	PAPER BAGS	3,000

Procurement District Office to mark thus * facilities to be allocated.

24. CURRENT ORDERS INVOLVING ITEMS FOR AIR SERVICES

8	9	10	11	12	14	15
PRIORITY RATINGS	CURRENT ORDERS AND CONTRACTS (Items You now Manufacture for the Air Services—Army, Navy and Other)	UNIT	QUANTITY	DOLLAR VALUE	DELIVERY DATES	MAX. MONTHLY PRODUCTION
	NONE					

Percentage of work done outside of plant

See Page 6A for Instructions in filling out above.

CYWI 17-004143

25. FUTURE CAPACITY AVAILABLE FOR AIR SERVICES

9a Items You can Manufacture for Air Services (Army, Navy, and Other)	10a UNIT	11a QUANTITY	12a DOLLAR VALUE	14a DELIVERY DATES	16a MAX. MONTHLY PRODUCTION
SOLOIDS & BEARING METALS. FOR ALL KINDS OF AIR PLANE BEARINGS AS - FOR PROPELLER THRUST AIRCRAFT OIL LESS BEARINGS OR ANY OTHER PARTS WHERE BEARING METALS ARE NEEDED CHEMICALS PAINTS HEAT TREATING. IRON OXIDE FOR THERMIT IN INCENDIARY BOMBS.		TO MEET REQUIRE- MENTS	\$ 400,000 FAIR CAPACITY	1/12 OR BETTER	33,000

Percent of Plant to be filled in by Procurement District Office.

See page 7A for instructions in filling out above.

CYWI 17-004144

Please Fill in all Columns)

[illegible]

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MC-381-WF-3-27-42-50M sets of 12 pgs.

28. Additional pertinent comments upon labor, raw material, power and fuel situations, current practices, shop methods, availability of rail, water or air transportation facilities, etc.

LABOR - MANAGEMENT RELATIONS - GOOD

RAW MATERIALS - FAIRLY DIFFICULT

POWER & FUEL - AMPL

CURRENT PRACTICES & SHOP METHODS - MODERN

TRANSPORTATION FACILITIES - AMPL

(SEE OUR LETTER ATTACHED)

29. Name and title of government personnel making survey.

(Signature)

Frank C. Connel

ASSOCIATE PROD. SUPERVISOR

(Title or Rank)

26. MACHINE TOOL AND EQUIPMENT SUMMARY

NOTE—Please furnish on separate sheets a detailed list giving the following information on each machine tool and piece of equipment listed below:—
Name of machine, manufacturers name, type or model, size or capacity, and condition.

QUAN- TITY	NAME OF MACHINE	QUAN- TITY	NAME OF MACHINE	QUAN- TITY	NAME OF MACHINE
	GAUGE MFG. (indicate by "X") Snap Ring Thread Form		Cutter & Tool Thread Gear Centerless Universal Disc Portable-Air Portable-Electric Honers Lappers		Magnesium Cold Type Hot Type EQUIPMENT: Board Drop Hammers Steam Hammers Upsetter Machines Presses
	GEAR MACHINERY Generators Hobbers Shapers		SHEET METAL EQUIP. Squaring Shear, Foot Squaring Shear, Power Shear, Rotary Router Nibbler Bandsaw, Metal Press, Punch Press, Hydraulic Press, Toggle Brake, Power Brake, Hand Forming Rolls, Hand Power Hammer, Power Lathe, Spinning Draw Bench Slitter Tube Benders		PLATING TYPE—8-Hour Capacity (indicate by "X") Anodize—sq. ft. Alumilit—sq. ft. Cadmium—sq. ft. Chromium—sq. ft. Copper—sq. ft. Brass—sq. ft.
	MACHNG. & TOOL EQPT. Lathe Miller, Die Sinker Miller, Universal Miller, Vertical Miller, Horizontal Miller, Thread Miller, Slab Miller, Hand Planer Shaper, Vertical Shaper, Horizontal Drill Press Drill, Radial Drill, Mult. Spindle Drill, Bench Drill, Deep Hole Boring Mill, Vertical Boring Mill, Rot. Table Horizontal Swaging Profiling Broaching Band Saw, Metal Hack Saw, Power Jig Borer, Duplicating Contour Saw, Doall Type Borematic		RIVETING EQUIP. Portable Air Rivet Squeezer Rivet Electric Rivet Automatic		INSPECTION AND TEST EQUIPMENT X-ray Metallurgical Tensile Test Brinell Rockwell Scleroscope Magnaflux
	SCREW MACHINE Automatic Turret Hand		FOUNDRIES METALS—8-HOUR CAPACITY (indicate by "X") Gray Ironlbs. Steellbs. Brasslbs. Bronzelbs. Aluminumlbs. Magnesiumlbs. Die Castinglbs. Centrifugallbs.		WELDING EQUIP. Arc Welder Gas Welder Spot Buttwelding Tube Welding Seam Welding Torch Soldering
	GRINDERS Cylindrical Internal External Surface		EQUIPMENT:		HEAT TREAT AND HARDEN PROCESS: (indicate by "X") Carburizing Cyaniding Nitriding Heat Treat, Steel Heat Treat, Al. Alloy EQUIPMENT:
			FORGING METAL:—(indicate by "X") Brass Steel Aluminum		PATTERN SHOP Wood Metal
					OTHER TYPES

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	GEAR MACHINERY Generators Hobbers Shapers		SHEET METAL EQUIP. Squaring Shear, Foot Squaring Shear, Power Shear, Rotary Router Nibbler Bandsaw, Metal Press, Punch Press, Hydraulic Press, Toggle Brake, Power Brake, Hand Forming Rolls, Hand Power Hammer, Power Lathe, Spinning Draw Bench Slitter Tube Benders		PLATING TYPE—8-Hour Capacity (indicate by "X") Anodize—sq. ft. Alumilit—sq. ft. Cadmium—sq. ft. Chromium—sq. ft. Copper—sq. ft. Brass—sq. ft.
	MACHNG. & TOOL EQPT. Lathe Miller, Die Sinker Miller, Universal Miller, Vertical Miller, Horizontal Miller, Thread Miller, Slab Miller, Hand Planer Shaper, Vertical Shaper, Horizontal Drill Press Drill, Radial Drill, Mult. Spindle Drill, Bench Drill, Deep Hole Boring Mill, Vertical Boring Mill, Rot. Table Horizontal Swaging Profiling Broaching Band Saw, Metal Hack Saw, Power Jig Borer, Duplicating Contour Saw, Doall Type Borematic		RIVETING EQUIP. Portable Air Rivet Squeezer Rivet Electric Rivet Automatic		INSPECTION AND TEST EQUIPMENT X-ray Metallurgical Tensile Test Brinell Rockwell Scleroscope Magnafux
	SCREW MACHINE Automatic Turret Hand		FOUNDRIES METALS—8-HOUR CAPACITY (indicate by "X") Gray Ironlbs. Steellbs. Brasslbs. Bronzelbs. Aluminumlbs. Magnesiumlbs. Die Castinglbs. Centrifugallbs.		WELDING EQUIP. Arc Welder Gas Welder Spot Buttwelding Tube Welding Seam Welding Torch Soldering
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INSTRUCTIONS FOR FILLING OUT PAGE 6.

CURRENT ORDERS INVOLVING ITEMS FOR AIR FORCES

(Entries under this heading are concerned only with orders or contracts NOW in effect with the Air Services, and important subcontracts.)

In Column 8 Enter only Priority Ratings for each current order or contract listed in Column 9. If more than one rating applies, list all ratings assigned.

In Column 9

- a. Current Orders include only such production as has not yet been accomplished on contracts in force. Any portions completed prior to the date of this survey are not to be considered. Estimate percent of production of items under Current Orders done outside of plant on subcontract.
- b. So far as practicable and consistent with the quantities and importance of the material involved, group the items to avoid necessity of listing several contracts for the same item, or several contracts for relatively small quantities of closely related items.
- c. If entries are for subcontracts, so indicate, and list names of prime contractors.

In Column 10 Enter Unit of Measure applying to each contract, i. e., "each", "lbs", "tons", etc.

In Column 11 Enter quantity, in units, of the Orders or Contracts you plan to deliver during the next 12 months. If any Orders or Contracts, or portion thereof, require more than 12 months for final delivery show also the quantities that will be delivered after 12 months. Do not include portions of Orders or Contracts already manufactured.

In Column 12 Enter approximate dollar value of items listed in Column 11, showing the value of deliveries to be made within 12 months and also, if any, those to be made after 12 months.

In Column 14 Enter opposite each Order or Contract, the date first delivery will be made, and the date delivery will be completed. If first delivery has already been made, give date of this survey.

In Column 15 Enter estimated Potential Maximum Monthly Production of each item for the next 12 months, considering your plant as it is today (plus any expansion *now under way*) and assuming your plant will work the full number of shifts and hours consistent with your local conditions. If increased production is anticipated, also show such future maximum monthly production and the date on which this will be available.

INSTRUCTIONS FOR FILLING OUT PAGE 7.

In Column 9a List only items you believe you can now manufacture directly or indirectly for the Air Services, *OTHER* than items listed under "Current Orders and Contracts" (Page 6, Column 9).

In Column 10a Enter Unit of Measure applying to each item, i. e., "ea.", "lbs.", "tons", etc.

In Column 11a Enter your estimate of the Quantity, in units, which you would be willing to undertake to manufacture.

In Column 12a Enter approximate dollar value of items listed in Column 11a.

In Column 14a Enter earliest possible date you could make initial delivery of listed items on an order or contract, and the date on which you could complete delivery.

In Column 15a Enter estimated Potential Maximum Monthly Production during the next 12 months, considering your plant as it is today (plus any expansion now under way), and assuming plant will work the full number of shifts and hours consistent with your local conditions.

NOTE:—Recheck entries in Columns 9 to 15, inclusive, (Page 6) to see that they are in agreement.
Recheck entries in Columns 9a to 15a, inclusive, (Page 7) to see that they are in agreement.

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