GHQ/SCAP Records (RG 331, National Archives and Records Service)

Description of contents

(1) Box no. 2894

(2) Folder title/number: (19)
Koa Kikai Kabushiki Kaisha (Koa Machine Co.)

(3) Date: ? - Nov. 1947

(4) Subject:

Classification	Type of record
9230	c, e, 1

(5) Item description and comment:

Osaka and Nara

(6) Reproduction: (Yes) No

(7) Film no. Sheet no.

(Compiled by *National Diet Library*)

HEADQUARTERS
OSAKA MILITARY GOVERNMENT TEAM
APO 25

HHH/gxw/mh

20 November 1947

SUBJECT: Additional Inventory of Machine Tool Plants

TO: Commanding General
I Corps, APO 301
ATTENTION: Mil Govt Sec

MG
Ref

Upon investigation by this headquarters, additional machines of Koa Kikai Kogyo K.K. were located at Urae Plant (Code No. 28-2 A) and Owada Plant (Code No. 28-2 B) in Osaka Prefecture. These machines were dispersed from the Nara Plant. Attached are corrected inventory forms.

Incls:
Inventory form (trip)

MALCOLM L. CRAIG
Colonel, Infantry
Commanding

AG 004 - EA 1st Ind EHN/abh/yo

Hq I Corps, APO 301, 21 NOV 1947

TO: CG, Eighth Army, APO 343

NOV 25 1947

Forwarded for your information.

FOR THE COMMANDING GENERAL:

WILDER A. JOHNSON
Capt., A. G. D.
Asst. Adjutant General

2 Incls:
1. Inventory from Urae Plant (trip)
2. " " Owada Plant (trip)

HEADQUARTERS
OSAKA MILITARY GOVERNMENT TEAM
APO 660

CJH/yi

7 July 1947

SUBJECT: Inventory Koa Kikai Kogyo K.K.
Jrae Plant - Code No. 28-2 (A)
Owada Plant - Code No. 28-2 (B)

TO: Commanding Officer
Nara Military Government Team
APO 25

Attached are copies of inventory forms covering the inventory of subject plants.

FOR THE COMMANDING OFFICER:

/s/ Edward B. Millett
/t/ EDWARD B. MILLETT
Major, F.A.
Adjutant

2 Incls:
2 sets Inventory
Forms (trip)

BASIC: Ltr, Hq Osaka Mil Govt Team, APO 660, dtd 7 July 47, subj: "Inventory Koa Kikai Kogyo K.K. Urae Plant - Code No. 28-2 (A) Owada Plant - Code No. 28-2 (B)

1st Ind TR/kt

Nara Mil Govt Team, APO 25, 12 July 1947

TO: Commanding General, Eighth Army, APO 343
ATTENTION: Mil Govt Section

1. Forwarded, in compliance with par 4, letter AG 004 (Rep)-BA, Headquarters I Corps, subject: "Inventory Instructions for Machine Tool and Ball and Roller Bearing Plants", dated 10 February 1947.

2. Inventories for the Nara plant of the Koa Kikai Kogyo K.K. were sent forward on 19 February 1947.

FOR THE COMMANDING OFFICER:

2 Incls:
2 sets Inventory

ELMER J. KALLMEYER
1st Lt, Inf
Adjutant

AG 004 - BA 2nd Ind EHN/af

Hq I Corps, APO 301, [illegible] 1947

TO: CG, Eighth Army, APO 343

1. In accordance with paragraph 4, letter, Headquarters Eighth Army, AG 004 (MG-Rm), subject: "Inventory Instructions for Machine Tool and Ball and Roller Bearing Plants", dated 5 February 1947, inventory forms for two dispersed locations of the Koa Kikai K.K. (Koa Machine Co., Ltd.), Nara Kojo (28-2 Mach T1), are forwarded herewith in duplicate.

2. The two dispersed locations are as follows:

a. Koa Kikai K.K., Urae Kojo 28-2(A)
Kita 3-chome, Urae, Oyodo-ku, Osaka-shi.

b. Koa Kikai K.K., Owada Kojo 28-2(B)
1412 Owada-cho, Nishiyodogawa-ku, Osaka-shi.

FOR THE COMMANDING GENERAL:

2 Incls:
1 copy ea w/d

O. H. SCHMIDT
MAJOR AGD
ASST ADJ GEN.

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 7 July 1947

Name of Company Ken Kikai Kogyo K.K. Related SCAP IN #1133

Name of Plant Ueno Plant Code #28-2 (A)

Address of Plant 2, 3-chome, Ueno-kita, Gyoda-ku, Osaka

	Number Tallied
I. METAL WORKING MACHINES	24
A. MACHINE TOOLS	24
1. Boring machines	
2. Broaching machines	
3. Drilling machines	5
4. Gear cutting and finishing machines	1
5. Grinding machines	1
6. Lathes	9
7. Milling machines	7
8. Planers	
9. Miscellaneous machine tools	1
B. SECONDARY METAL FORMING AND SHAPING MACHINES AND EQUIPMENT	
1. Bending machines	
2. Hydraulic presses	
3. Manual presses	
4. Mechanical presses	

Encl 1[3] (MS file copy)

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 7 July 1947

Name of Company Koa Kikai Kogyo K.K. Related SCAPIN # 1132

Name of Plant Ueno Plant Code # 20-8 (A)

Address of Plant 30, 2-chome, Ueno-naka, Oyodo-ku, Osaka

	Number Tallied
B. SECONDARY METAL FORMING AND CUTTING MACHINES AND EQUIPMENT (cont'd)	
5. Shearing and punching machines	____
6. Forging machinery	____
7. Wire forming machines	____
8. Miscellaneous	____
9. Other metal working machinery and equipment	____
C. MISCELLANEOUS METAL WORKING EQUIPMENT	____
1. Welding machines, all types	____
2. Testing and measuring machines, all types	____
3. Miscellaneous physical property testing	____
4. Heat treating equipment	____
5. Portable metal working machines	____
II. ELECTRIC MACHINERY AND APPARATUS	0 ____
A. ELECTRICAL ROTATING EQUIPMENT	0 ____
1. Generators	____
2. Motors (5 HP and over)	____

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 7 July 1947

Name of Company Koa Kikai Kogyo K.K. Related SCAP IN # 1133

Name of Plant Urae Plant Code # 28-2 (A)

Address of Plant 50, 3-chome, Urae-kita, Oyodo-ku, Osaka

Number Tallied

A. ELECTRICAL ROTATING EQUIPMENT (Cont'd)

3. Motor Generators ____.

4. Frequency Changers ____

5. Converters and inverters ____

6. Generator Sets (Direct coupled to prime mover) ____

B. PRIMARY ELECTRIC POWER TRANSMISSION AND DISTRIBUTION EQUIPMENT ____

1. Transformers ____

2. Switch ____

III. GENERAL PURPOSE INDUSTRIAL MACHINERY AND EQUIPMENT 0

A. ENGINES AND TURBINES 0

1. Steam Engines ____

2. Steam Turbines ____

3. Internal Combustion Engines ____

B. COMPRESSORS AND PUMPS ____

1. Compressors and Dry Vacuum Pumps ____

2. Pumps ____

C. MISCELLANEOUS MACHINERY AND EQUIPMENT ____

1. Power Boilers ____

2. Cranes ____

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 7 July 1947

Name of Company Koa Kikai Kogyo K.K. Related SCAPIN # 1133

Name of Plant Owada Plant Code # 28-2 (B)

Address of Plant 1412, Owada-cho, Nishiyodogawa-ku, Osaka

	Number Tallied
I. METAL WORKING MACHINES	6
A. MACHINE TOOLS	6
1. Boring machines	
2. Broaching machines	
3. Drilling machines	
4. Gear cutting and finishing machines	
5. Grinding machines	
6. Lathes	6
7. Milling machines	
8. Planers	
9. Miscellaneous machine tools	
B. SECONDARY METAL FORMING AND SHAPING MACHINES AND EQUIPMENT	
1. Bending machines	
2. Hydraulic presses	
3. Manual presses	
4. Mechanical presses	

Incl 2 (Negative copy)

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 7 July 1947

Name of Company Nan Nihai Kogyo K.K. Related SCAP IN # 1132

Name of Plant Ozuda Plant Code # [redacted]

Address of Plant 1412, Ozuda-cho, Higashiyodogawa-ku, Osaka

	Number Tallied
B. SECONDARY METAL FORMING AND SHAPING MACHINES AND EQUIPMENT (cont'd)	
5. Shearing and punching machines	____
6. Forging machinery	____
7. Wire forming machines	____
8. Miscellaneous	____
9. Other metal forming machinery and equipment	____
C. MISCELLANEOUS METAL WORKING EQUIPMENT	____
1. Welding machines, all types	____
2. Testing and measuring machines, all types	____
3. Miscellaneous physical property testing	____
4. Heat treating equipment	____
5. Portable metal working machines	____
II. ELECTRIC MACHINERY AND APPARATUS	1
A. ELECTRICAL ROTATING EQUIPMENT	1
1. Generators	____
2. Motors (5 HP and over)	____

INVENTORY FORM FOR MACHINE TOOL AND
BALL AND ROLLER BEARING PLANTS

DATE 4 July 1947

Name of Company Koa Kikai Kogyo K.K. Related SCAP IN # 1135

Name of Plant Syuda Plant Code # [illegible]

Address of Plant 1412 Omidaicho, Hishiyodogawa-ku, Osaka

	Number Tallied
A. ELECTRICAL ROTATING EQUIPMENT (Cont'd)	
3. Motor Generators	———
4. Frequency Changers	———
5. Converters and inverters	———
6. Generator Sets (Direct coupled to prime mover)	———
B. PRIMARY ELECTRIC POWER TRANSMISSION AND DISTRIBUTION EQUIPMENT	———
1. Transformers	———
2. Switch	———
III. GENERAL PURPOSE INDUSTRIAL MACHINERY AND EQUIPMENT	———
A. ENGINES AND TURBINES	———
1. Steam Engines	———
2. Steam Turbines	———
3. Internal Combustion Engines	———
B. COMPRESSORS AND PUMPS	———
1. Compressors and Dry Vacuum Pumps	———
2. Pumps	———
C. MISCELLANEOUS MACHINERY AND EQUIPMENT	———
1. Power Boilers	———
2. Cranes	———

FILE UNDER NO. To File Koa Kikai Co.,

INDEX SHEET

SYNOPSIS

Subj: Letter of Transmittal

(Inventory form.)

Date: 20 Feb '47

From: Mara M 9. To: 1 Copy

DOCUMENT FILED UNDER NO. 004 Relocation.

NARA MILITARY GOVERNMENT TEAM
APO 25

21 November 1946

SUBJECT: Inventory of Koha Kikai, Nara City, (Reparation Factory)

THRU : Commanding General, I Corps, APO 301

TO : Commanding General, Eighth Army, APO 343
(ATTN: MG Section)

1. All machinery has been inventoried, cleaned and marked at the Koha Kikai, 100 Oriya-machi, Nara Shi, except as follows:

a. Lathe swing 43 Omax Bet. C. 750 mm.
b. Drilling machine 03
c. Tool grinding machine 02
d. Electric Welding machine - Portable type
e. Band sawing machine (wood) dia. of band saw wheel - 4'-0"
f. Crane, large, on building track - 5000 kg., Traveling type
g. Crane, large, on building track - 3000 kg., Traveling type
h. Crane, large, on building track - 3000 kg., Traveling type
i. Crane
j. Crane
k. Dry ovens - 1800 m.m. x 3,500 mm.
l. Dry ovens 2500 mm. x 3000 mm.
m. (2) Cupolos (partly destroyed 1945, by Occupation Forces) 1000 kg. - 3000 kg.
n. 16 Transformers
o. Sand blast machine

2. These machines are in the buildings procured and occupied by the Eighth Field Artillery Battalion at Camp Carr. The cranes are so constructed that their removal would seriously damage the building. Neither the brick drying ovens or the sand blast machines could be moved without being disintegrated. The 16 transformers operate the building's utility system. Barracks are heated entirely by electricity. The first five machines are being constantly and necessarily used by the vehicle maintenance personnel of the Eighth Field Artillery. The Commanding Officer legally procured and picked up these items on his property book and has assumed responsibility therefor dating from building acquisition date.

3. It is recommended that these first five machines be released from the Reparation Inventory List.

4. It is further recommended that authority be given thru. channels to drop from property accountability all machines shown on the accounts of the Eighth Field Artillery that are secured for reparation delivery.

5. Information as to action desired is requested.

FOR THE COMMANDING OFFICER:

EUGENE R. WEIS
1st Lt, Inf
Adjutant

BASIC: Ltr, Nara Mil Govt Team, subj: "Inventory of Koha Kikai, Nara City, (Reparation Factory)", dtd 21 Nov 46.

AG 004 - BA 1st Ind EHN/jyn

Hq I Corps, APO 301,

TO: CO, Nara Mil Govt Team, APO 25

1. It is not intended that removal of machinery or equipment subject to reparations should result in the destruction of either the machinery or buildings in which it is housed. Inventory instructions provide that in situations of this nature, the machinery need not be taken for reparations. The above policy appears to apply to the cranes, sand blasting machines and dry ovens referred to in paragraph 1, basic communication.

2. The five items of equipment listed in a, b, c, d and e of paragraph 1, basic communication, consist of equipment which is subject to reparations. In the event these machines have been properly procured by the tactical troops prior to the designation of the Koha Kikai for reparations, the machines need not be inventoried as a part of the equipment of this plant. Machine tools located in reparation plants are no longer subject to procurement. If the machines in question have not been procured, it will be necessary for the organization desiring to use them to submit a request to SCAP. Upon approval of this request by higher headquarters, you will make notation on paragraph M of inventory sheet as required by Operational Directive No. 5/4, Headquarters Eighth Army, dated 22 August 1946.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

A425063

BASIC: Ltr, Nara Mil Govt Team, APO 25, dtd 21 Nov 46, subj: "Inventory of Koha Kikai, Nara City, (Reparation Factory)"

2nd Ind WWB/md

Hq, Nara Mil Govt Team, APO 25, 7 Dec 46

TO: Commanding General, I Corps, APO 301

1. Par 1, 1st Indorsement noted.

2. Copy of procurement for real estate furniture and fixtures of the subject Company attached. Procurement was made prior to reparations listing. No mention is made of machinery butthe word "Fixtures" was intended to be so construed, as to inàlude the machinery.

3. Clarification of procurement is requested prior to further action by this office.

FOR THE COMMANDING OFFICER:

/s/ Eugene R. Weis
/t/ EUGENE R. WEIS
1st Lt, Inf
Adjutant

1 Incl:
Procurement Demand

AG 004 - 3A 3rd Ind LHR/ks

Hq I Corps, APO 301,

TO: CG, Eighth Army, APO 343

It is the interpretation of this headquarters, that the enclosed procurement demand includes the five machines referred to in paragraph 2 of the 1st indorsement. Information is requested as to whether it is necessary to inventory subject equipment for reparation..

FOR THE COMMANDING GENERAL:

1 Incl:
n/c

227062

C. Hill

Lt/C Hans Hil Ord Tech, 0-1[illegible] "Inventory of Kobe Kiln1, Hara Bldg (Reparation Factory), dtd 21 Nov 46.

AG 004 (30-Dec)

4th Ind

Headquarters Eighth Army, APO 343, 28 Dec 1946

TO: Commanding General, I Corps, APO 301

1. The interpretation contained in the 3rd indorsement is approved.

2. Items of equipment properly disposed of without intent to evade reparations prior to directives requiring such inventory need not be inventoried.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

/s/ F. Schafer
/t/ F. SCHAFER
Lt. Col., AGD.
Asst. Adjutant General

Incl:
n/c

BASIC: Ltr, Nara Mil Govt Team, subj: "Inventory of Keha Kikai, Nara City. (Reparation Factory)", dtd 21 Nov 46.

NIG

AG 004 - Ra 5th Ind KRH/ckw

Hq I Corps, APO 301.

TO: CO, Nara Mil Govt Team, APO 25

1. For your information.

2. The items referred to in paragraph 1, basic communication, need not be inventoried for reparations.

BY COMMAND OF MAJOR GENERAL WOODRUFF:

1 Incl:
n/c

1:H 389 K8

HEADQUARTERS
94TH HQ & HQ DET MIL GOVT GP
APO 660 (Osaka, Japan)

File: 107 ek - 219 20 May 46

SUBJECT: APPLICATION FOR OPERATION

TO : Yoko Machine Tool Co.Ltd., Hara Harim, 100 Yokoryocho.
(Name and Address of Firm)

Hara-kun.

1. a. In accord with paragraph 3, b, Directive Number Three (3) from the Supreme Commander to the Imperial Japanese Government, dated 22 Sep 45, the Yoko Machine Tool Co.Ltd., Hara Harim.
(Name of Firm)

is permitted to immediately start production of assembling of Bicycle
(Name of Items)

Wheel Axles manufactured in the Osaka Plant.

b. Maximum production currently authorized is assembling of

Bicycle Wheel Axles manufactured in the Osaka Plant.

2. The acquisition of material, parts and sub-assemblies as well as the disposition of finished products, and the establishment of sales prices will be in accord with the regulations of the Imperial Japanese Government.

3. Until otherwise directed by this headquarters, a monthly report in English of each item, by name, type and quantity produced by each factory, sub-contractor subsidiary within this factory's control will be delivered to this office by the fifteenth (15) day of the following month.

4. It is understood that this permit for reconversion is issued subject to any and all directives affecting reconversion, ultimate disposition or otherwise, which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers or by this headquarters.

By order of Lieutenant Colonel ATWOOD:

Benlock E

BEN LOCKE
Maj, AC
Res & Ind O

Info Copy to:
SCAP (Attn: ESS) (1)
SCAP (Attn: G-2) (1)
CG Eighth Army (Attn: Mil Govt) (1)
CG I Corps (Attn: Mil Govt) (1)
Osaka Liaison Office (1)
Governor of Prefecture concerned (1)

Incl. # 2

APPLICATION FOR OPERATION OF AND RERORT ON INDUSTRIAL FACILITIES.

Koha Machine TooL Co., Ltd.

No. 50, Kita 3-chome, Urae,
Oyodo-ku, Osaka.

Serial No. of Report

APPLICATION FOR CERTIFICATE OF
AND
REPORT OF INDUSTRIAL FACILITIES

To

Thru

[illegible] MACHINE TOOL WKS., LTD.

No.50, Kita 3-chome, Urae,
Oyodo-ku, Osaka.

March 15th 1940.

1. Name of Facility: Osaka Works (Urae & Ohsada Works)

Nara Works

2. Location:

Osaka Works - No.50 Kita 3-chome, Urae
Oyodo-ku, Osaka & No.1412 Ohsada-cho
Nishiyodogawa-ku, Osaka.

Nara Works - No.100 Yokoryo-cho, Nara.

3. Name of President or Manager:

Kaoniohi Yoikoku, President & Director of
the Company.

4. History:

a. Date of Construction December 12th 1939

b. Date of first operation December 13th 1939

c. 1935-1941 Production (Principal Products)

Term of Year	Description	Quantity	Sales Value
1940	No.2 Knee type Milling M/c.	30 sets	¥452,000
1941	No.2 Knee type Milling M/c.	154 "	1675,000

d. Present Capitalization in Yen
Yen 5,000,000 (Paid up ¥3,500,000)

e. Changes made in capital structure since 1935

Dec.12th 1933 - Organized the Company with capital of Yen 2,000,000 (full paid)

June 2lst 1942- Increased the capital to Yen 5,000,000 and paid Yen 750,000 as the first installation.

July 1st 1944 - Paid Yen 750,000 as the second installation.

f. Name and address of parent company;

None.

g. Number of shares outstanding:

100,000 shares.

h. Number of stock holders (Names of those owing 10 percent or more of total)

Mr.Tadao Okazaki, representative director of the Okazaki Company (25,170 shares held by him.)

i. Funds received from Government (Bounties, subsidiaries, etc.)

March 31st 1940 -
Received from government Yen 45,000 as the bounty for the trial make of the single spindle automatic screw machine.

j. On reverse side give outline sketch of plant Layout with approximate dimensions;

As per the blue-print attached.

5. Description:

a. Principal products

1.Kartime -Osaka Works -No.2 Knee type milling machine,
No.2 Knee type Junior milling machine.

Mare Works - Single spindle automatic screw machine.

5. Description (Continued)

2. At present: Osaka Works - Parts of bicycle (Wheel axles for front and rear wheels)

Yara Works - Production suspended, because of the occupation by the Allied forces.

3. Planned for 1946-1947 (Osaka Works - Parts of bicycle (Wheel axles for front and rear wheels, also Hub and others.)
No.2 Knee type milling machine
No.2 Knee type Junior milling machine
Single spindle automatic screw machine.

Yara Works - Plant occupied at present by the Allied forces, we are undertaking to repair a warehouse as a temporary works, located near the Yara Works, and planning to carry out the manufacture of the said wheel axles of bicycle, in the aid of Osaka works, but in case of removal of the Allied forces from the works in future, we are expecting to build again the single spindle automatic screw machines as before specially at the Yara works with our new plan.

b. Capacity:

1. Machine

Name of Facility	Description	Quantity of the year	Unit Price	Total Price of the Year
			Yen	Yen
Osaka Works	No.2 Knee type milling machine	190 sets	14,000	2,520,000
	No.2 Knee type Junior milling M/c	180 "	11,000	1,980,000
Yara Works	Single spindle automatic Screw Machine	60 "	70,000	4,200,000

2. At present - Parts of Bicycle (Front and Rear Wheel Axles)

3. 1940-1947 (with unrestricted access to materials)

3.1946-1947 (Continued)

Name of Facility		Quantity of the year	Unit Price of the year	Total Price of the year
			Yen	Yen
Osaka Works	Wheel axle of Bicycle		5.00	50,000.00
	" " " "	142,	8.50	1,132,000.00
	0.2 Ames type Junior milling machine	1/ sets	30,000.	31,000.00
	This will also continue to work for finished the above number of sets.			
	No.2 Ames type milling machine	12/ sets	58,400	~~40,500.~~ 416,800 ~~705,500.00~~
	Single spindle automatic screw machine	3/ sets	125,000	~~94,500.~~ 625,000 ~~944,500.00~~
	Total			~~1,842,000.00~~ 2,333,800

Nara Works: At present, only to the aid of the Osaka works, we expect to manufacture 5,000 pairs at aluminum of wheel axle of Bicycle monthly, but also expect to build 5 sets at least the Single spindle automatic screw machine at Nara works as mentioned before:

C. Number of Employees:

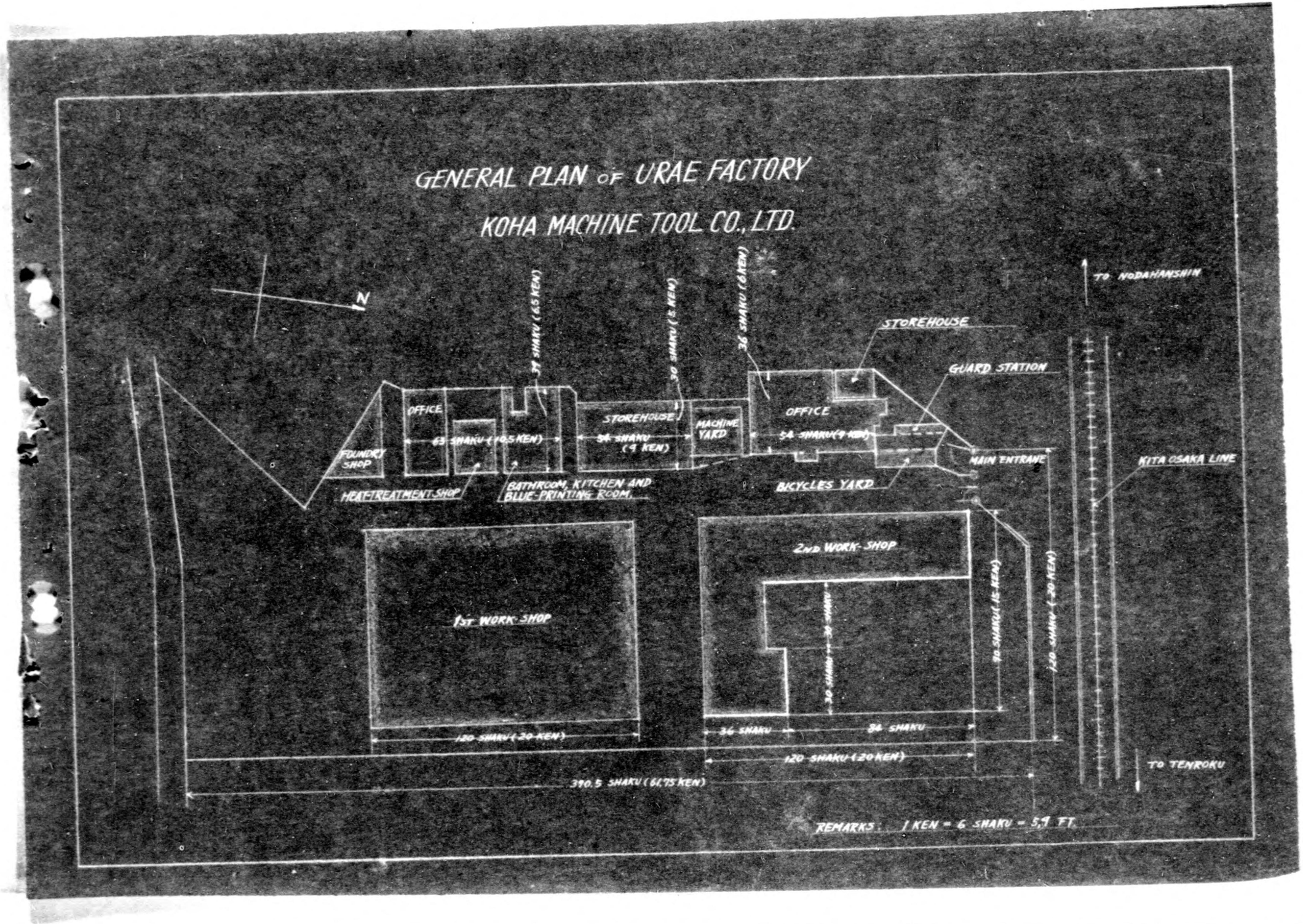
1. Wartime	Osaka Works	61/	persons
	Nara Works	518	"
2. At present	Osaka Works	108	persons
	Nara Works	6	"
3. 1940-1947 (at maximum Nara Works capacity)	Osaka Works	670	persons
		25	" (under the occupied)

D. Machinery and Equipment in Plant

As the Table attached.

If the permission were given us to produce the articles for domestic use, described in this sheets, will manufacture according to your approval, the wheel axles, hubs, etc. of Bicycle and also said machine tools in cooperating with Nara temporary works.

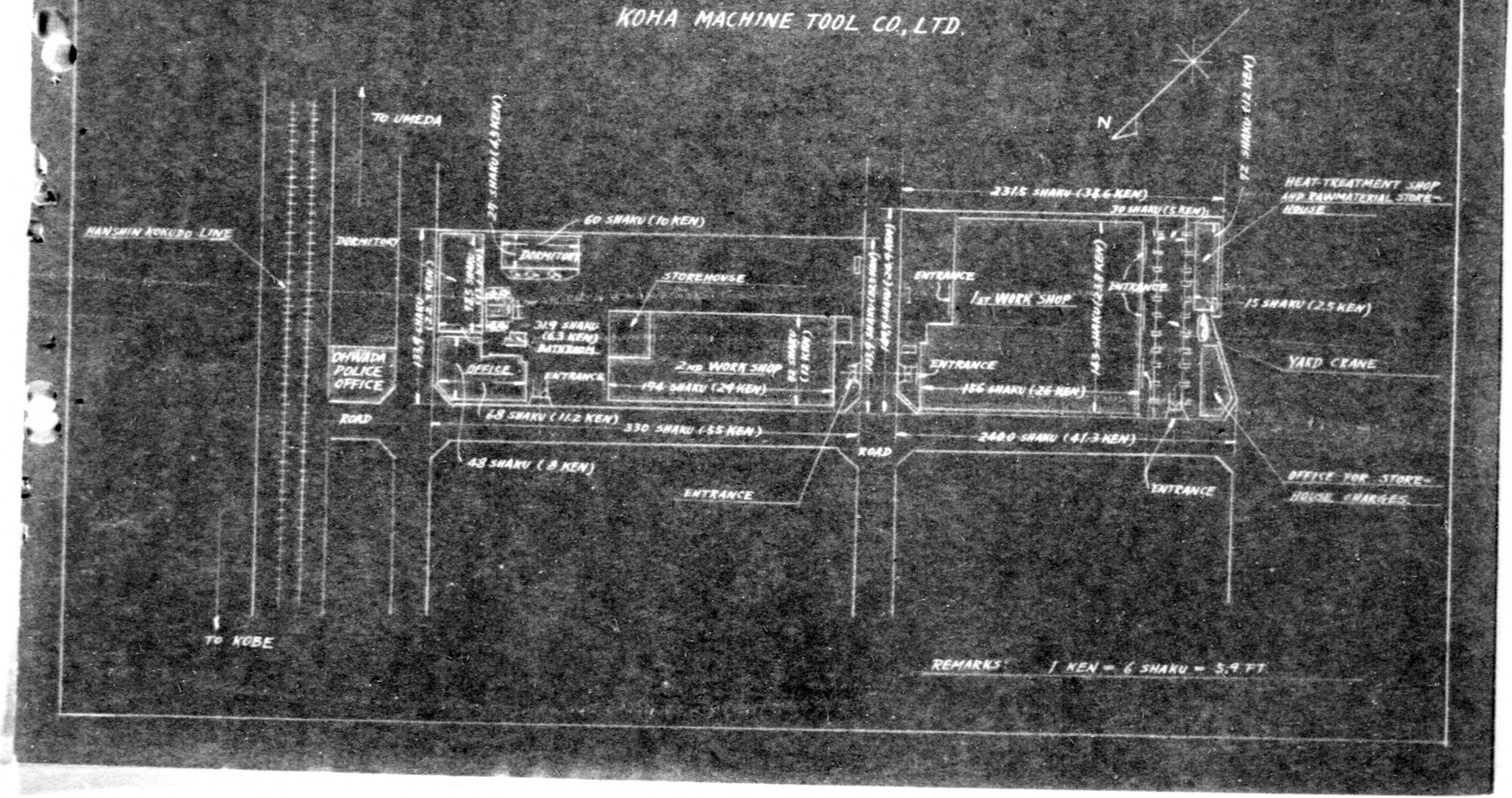
GENERAL PLAN OF URAE FACTORY
KOHA MACHINE TOOL CO., LTD.



REMARKS: 1 KEN = 6 SHAKU = 5.9 FT.

GENERAL PLAN OF OHWADA FACTORY

KOHA MACHINE TOOL CO., LTD.



REMARKS: 1 KEN = 6 SHAKU = 5.9 FT

6. Machinery & Equipment in Plant

(Urea Factory)

A. Production Equipment;

Description

Name	Quantity	Capacity	Type	Maker's No.
Lathe	12	SWING 15.C [illegible]	(Drive) Motor	[illegible] 1
"	11	[illegible]	"	[illegible] 1
"	3	[illegible] 1100	"	[illegible] 2
"	12	4[illegible]x1[illegible]	"	[illegible] 1
"	3	470x1400	"	2
Turret lathe	1	410x2010	"	[illegible] 1
"	2	3" Chuck dia.	"	[illegible] 1
"	1	4" "	"	[illegible]2
Single-spindle automatic screw machine	7	[illegible]x[illegible]	"	[illegible] 1
Plain milling machine	4	710x2[illegible]x4[illegible]	"	[illegible] 1
" " "	3	1[illegible]x130x1[illegible]	"	[illegible] 2
Vertical milling machine	4	710x300x400	"	[illegible] 1
" " "	1	450x1[illegible]x200	Cone	[illegible] 3
Universal " "	2	71[illegible]x2[illegible]x4[illegible]	Motor	[illegible] 1
Forane milling machine	1	1000	"	[illegible] 4
Upright drilling machine	1	610 Table dia.	"	[illegible] 1
" " "	1	125 " "	"	[illegible] 1
2 spindle drilling machine	1	Sensitive	"	[illegible] 1

*Maker's No. See Alphabetical list of makers at end of the tables.

b. Machinery & Equipment in Plant

(Urea Factory- Continued)

Description

Name	Quantity	Capacity	Type (drive)	Maker's No.
Radial drilling machine	2	1250 mm length	Motor	M 1
Surface grinder	1	410x610	"	M 1
" "	2	150x450	"	M 2
" "	2	250x1000	Motor	M 2
Universal grinder	1	150x500	"	M 4
" "	1	200x600	"	M 1
" "	1	200x600	"	M 2
" "	1	300x800	Table drive	M 3
Internal grinder	1	110x150	Motor	M 5
" "	1	300x125	"	M 1
" "	1	150x225	"	M 6
Spline shaft grinder	1	80x700	"	M 1
Tool grinder	1	210x610	"	M 1
" "	1	150x300	"	No mark
Shaper	1	500	"	M 1
"	1	600	"	M 2
Slotter	1	230	"	M 1
"	1	190	" Pillow type	M 1
Gear shaper	2	190x38	Pillow type	M 2
" "	1	250x70	Motor	M 3
Gear cutting machine	1	660x254	" Hob type	M 3
Bevel gear generator	1	200	Motor	M 1
Gear tooth lapping machine	1	100x190	"	M 2
Planer	1	915x915x3050	" Gate type	M 2

C. Machines & equipment in Plant
(Urea factory - continued)

Description				Maker's No.
Name	Quantity	Capacity	Type (drive)	
Horizontal boring machine	1	100 ... hole dia.	Motor	K 3
Lathe machine	1	1...x3...	"	T 7
Gear tooth rounding machine	1	...	"	K 1
Horizontal broaching machine	1	1...kg.	"	Y 1
Oil grooving machine	1	400x150	Hand	K 1
Hack sawing machine	1	250 stroke	Motor	K 2
Shaft straightener	1	300x3000	Hand work	K1
Centering machine	1	113x1000	Motor	K 5

B. Auxiliary equipment

Crane	1	5000 kg.	Travelling	K 5
Transformer	6	30 KW		
"	1	10 KW		
Electric furnace	1	20 KW		M 18
Salt bath	1	22 KW		M 18
Blue-printing machine	1			S 4

Total for Urea Factory 117

6. Machinery & equipment in plant

(Onwada factory)

a. Production equipment;

Description

Name	Quantity	Capacity	Type (Drive)	Maker's No.
Lathe	5	250x1270	Motor	M 2
"	7	280x1110	"	M 2
"	10	280x1120	Cone	No mark
"	1	280x1220	"	01
"	6	300x1275	Motor	1
"	1	300x2400	Cone	M 2
"	3	300x3000	Motor	M 2
"	2	310x1270	"	M 1
"	1	330x1200	Cone	M 4
"	1	375x1900	"	M 3
"	1	400x1900	"	M 3
"	5	400x2000	"	M 2
"	3	425x1900	"	M 2
"	2	450x2400	Motor	M 3
"	1	450x2700	Cone	M 1
"	1	400x3000	Motor	M 3
"	2	470x2650	"	M 6
" Turret	4	500x1900	Cone	M 4
"	2	510x3600	"	M 4
Centering machine	1	113x1000	Motor	M 3

6. Machinery & Equipment in plant

(Honda Motor, - Continued)

Description

Name	Quantity	Capacity	Type	Maker's No.
Horizontal boring machine	4	65 m/m dia.	Motor (Drive)	M 1
" " "	2	90 "	"	M 1
" " "	1	90 "	"	M 3
Radial drilling machine	1	[illegible]	"	B 5
" " "	1	1200	"	M 5
" " "	1	1250	"	M 2
" " "	1	1500	"	D 1
Upright " "	1	300 m/m	"	M 1
" " "	1	300 m/m	Cone	M 2
" " "	1	410 m/m	"	M 2
Bench drilling machine	1	300 "	Motor	M 3
Upright " "	1	150 m/m	Reversible	No mark
" " "	1	500 m/m	"	M 1
Portable drilling machine	1	50 m/m dia.	"	M 0
Turret lathe	1	150x900	Cone	T 2
" "	1	200x1500	"	B 1
" "	1	250x1200	"	Y 1
Gear shaper	1	750m/m	Follow type	K 1
" "	2	190x[illegible]	"	F 2
Gear cutting machine	1	600x254	Hob type	K 3

6. Machinery & Equipment in Plant

(Canada Factory - Continued)

Description

Name	Quantity	Capacity	Type	Maker's No.
Lathe	1	[illegible]	Auto type	No mark
"	1	[illegible]	"	I 3
"	1	[illegible]	"	" 1
"	1	[illegible]	"	I 2
"	1	[illegible]	"	I 10
Shaper	2	[illegible]	Crank	I 9
"	2	[illegible]	"	" 4
Vertical sheaper	1	[illegible]	"	I 6
Universal grinder	1	240x600	"	" 5
" "	1	300x750	"	K 1
" "	1	200x[illegible]	"	K 2
Internal grinder	2	110x60	Motor	K 1
" "	1	125x150	Oil press	T 11
" "	1	500x125	Hydraulic	K 1
Surface grinder	3	150x475	B&S type	K 1
" "	2	224x T.D	Rotary type	K 2
" "	1	305x960	Motor PtW	K 1
Universal cutter grinder	1	150x400	Motor	T 12
" " "	1	210x610	Motor	K 1
Drill grinder	1	30	Cone	K 2
Gear lapping machine	1	100x150	Motor	O 2
" " "	1	150x150	"	O 2

b. Machinery [illegible] Equipment

(Onwards Factory - Continued)

Description

Name	Quantity	Capacity	Origin	Maker's No.
			(Given)	
Plain milling machine	1	[illegible]	Otor	. 2
" " "	4	[illegible]	"	. 1
Vertical milling machine	1	[illegible]	"	. 1
Universal milling machine	1	[illegible]	[illegible]	1 3
Tooth cutting machine	1	[illegible]	Otor	1 0
" " "	1	300	Otor	3 2
Engraving machine	1	[illegible]	[illegible]	1 /
Lock sewing machine	2	175	Motor	2.
Bar cutting-off machine	1	150		6 4
2 Spindle drilling machine	1	[illegible]	"	No mark

3. Auxiliary Equipment:

Description

Name	Quantity	Capacity	Type	Maker's No.
Crane	3	5000 Kg.	Overhead travelling type	2
Hoist	2	1000 Kg.		2
Transformer	3	50 K[illegible]		
"	2	10 K[illegible]		No mark
Sand blast	1			No mark
Salt bath	1	20 Kw		3
Electric welding machine	1	20 Kw		6
Air compressor	1	15 HP		2

(Total for Page - 143

B. Machine, [illegible] tool equipment in plant

(Nara Factory)

Description

Name	Quantity	Capacity	Drive	Asset No.
Lathe	9	[illegible]	[illegible] (Motor)	[illegible] to Nara
"	2	3[illegible]7	Motor	[illegible] 1
"	4	3[illegible]	"	[illegible] 1
"	2	3[illegible]	"	[illegible] 3
"	2	3[illegible]	"	[illegible] 2
"	1	4[illegible]x3112	"	[illegible] 3
"	1	4[illegible]	Motor	[illegible] 1
"	1	[illegible]x1120	"	[illegible] 2
"	2	42[illegible]	Motor	[illegible] 2
"	3	4[illegible]	"	[illegible] 1
"	4	470x1400	"	[illegible] 13
"	1	49[illegible]x1260	"	[illegible] 4
Turret lathe	2	3[illegible] Chuck cap.	"	[illegible] 1
" "	1	41 "	"	[illegible] 2
Horizontal boring machine	2	90 mm.dia.	"	[illegible] 1
" - -	4	65 "	"	[illegible] 1
Radial drilling machine	1	900 arm length	"	[illegible] 1
" " "	1	1200	"	[illegible] 5
Upright drilling machine	2	520 [illegible]	"	[illegible] 9
" " "	3	125 "	"	[illegible] 1
" " "	1	200	"	[illegible] 5

b. Machinery & Equipment in Plant

(Spare Factory - Continued)

Description	Quantity	Capacity	Type (Drive)	Maker's No.
Upright drilling machine	1	50 "	Motor	K 2
" " "	1	75 "	"	K 3
" " "	1	150 "	"	K 7
Jig boring machine	1	(500x1000x) 300	Tilling type	- 3
Gear shaper	1	750	Motor	K 1
Gear cutting machine	1	600x254	Belt type	K 6
Planer	1	900x900x1200	Motor	I 3
"	1	1800x1800x4000	"	I 2
"	1	1200x1200x4500	"	I 1
Slotter	1	100	"	K 1
Surface grinder	1	250x500	"	K 2
" "	1	152x475	"	K 1
" "	1	224	Motor	K 2
Internal grinder	2	110x60	Motor	K 14
" "	1	500x125	"	K 1
" "	1	125x250	"	K 4
Centerless grinder	1	6x150	"	N 3
Tool grinder	1	210x610	"	W 1
Bench "	1	50x150	"	T 4
Thread grinder	1	150x400	"	W 1
Profile grinding machine	1	450x450	"	W 1
Drill grinder	1	32	Cone	R 2
Plain milling machine	2	710x250x450	Motor	K 1

b. Machinery & equipment in plant

(Mare factory - Continued)

Description

Name	Quantity	Capacity	Type (drive)	Maker's No.
Vertical milling machine	1	300x370x410	Motor	3 5
" " "	2	710x320x460	"	4 1
Universal milling machine	1	710x280x400	"	4 1
Engraving machine	1	4[illegible]	Pillar type	7 1
Graduation machine	1	4[illegible]	Motor	4 4
Polishing lathe	1	800x2000	Motor	7
Back boring machine	1	[illegible]	"	2
Oil grooving machine	1	2[illegible]	"	1
Bar cutting-off machine	1	150	"	4 1

B. Auxiliary equipment:

Crane	2	5000 kg.	Motor driven travelling	4 3
"	2	3[illegible]0 kg.	"	4 3
"	1	2000 kg.	"	4 3
Electric furnace	1	30 K		1 46
Air hammer	1	125 kg.		4 2
Cupola	1	1000 kg.		4 1
"	1	3000 kg.		1 9
Dry oven	1	200x1000		1 9
" "	1	2500x3000		1 9
Transformer	3	150 KW		
"	3	75 "		
"	2	30 "		

b. Machinery & Equipment in Plant

(Nara factory - Continued)

Description

Name	Quantity	Capacity	Type	Asset's No.
Transformer	3	1[illegible]		
"	2	10[illegible]		
"	1	[illegible]		
Sand blast	1			15
Electric welding machine	1	[illegible] "	Portable	6
Band sawing machine	1	[illegible] dia.		6 Work
Wood planer	1		"	
Wood lathe	1		"	
Wood working machine	1		Key-cutter	"
Saw sharpner	1		"	
Universal tester	1	5000 Kg.		1
Impact "	1	50 "		1
Spring tester	1	300 "		1
Compressor	2	15 [illegible]		4
"	1	20 Hp		4

Total for Nara 129

Alphabetical list of manufacturers.

A1 - Aikoh K.K.

A2 - Asahi Seiko K.K.

A3 - Takahon Kogyo K.K.

A4 - Asahi Tekko K.K.

C1 - Chuo Seiko K.K.

D1 - Daiichi Kogyo K.K.

D2 - Daido Seiko K.K.

F1 - Fuzuki Iron Works

F2 - Fujita Iron Works Ltd.

F3 - Fuji Denro Kogyo K.K.

F4 - Freidrich Schmelz GMBH

G1 - (The) Gleason Works

G2 - Gasudenki Kogyo K.K.

H1 - Harada Atsuoku Kogyo K.K.

H2 - Hayashi Iron Works Ltd.Co.

H3 - Hosaika Seisakusho

H4 - Hirao Iron Works

H5 - Hirose Iron Works

H6 - Hidechi Seisakusho Ltd.

H7 - (The) Horn Co.

H8 - Hille Werke Aktien K.K.

I1 - Iwasaki Iron Works

I2 - Ishikawajima Heavy Industries Co.

I3 - Ishida Iron Works Co. Ltd.

I4 - Ishii Tekko K.K.

I5 - Ishikawa Seisakusho K.K.

I6 - Ikegai Iron Works

J1 - Japan Steel Works

J2 - Japan Precision Instruments Co.

K1 - Kawasaki Heavy Industries Co.

K2 - Kobe Iron Works

K3 - Kanto Seiki Co.

K4 - Kubota Tekkosho K.K.

K5 - Kitagawa Iron Works

K6 - Kanto Seiki Co.

K7 - Kamano Iron Works

L1 - (The) Lamson Tinnels Co.

M1 - Mitsubishi Heavy Industries K.K.

M2 - Morita Iron Works

M3 - (The) Max Levy Co.

M4 - Minoura Kogyo K.K.

M5 - " Jukogyo K.K.

M6 - Maruto Shikishinzoku Kogyo K.K.

M7 - Matsumoto Cast Iron Works

M8 - Maruzumi Denki K.K.

N1 - Nippon Piston Reiki K.K.

N2 - Nakagawa Akai K.K.

N3 - Nitto Kohki Akai Seisaku K.K

Alphabetical list of makers [illegible]. (continued)

O1 - Okuma Iron Works

O2 - Okamoto Tosaku Shoten Seisakusho

O3 - Osaka Tekko K.K.

O4 - (Ono) Seiko Kabushiki Kaisha

O5 - Okamura Tekkosho K.K.

O6 - Osaka Seitetsu Kabushiki Kaisha

O7 - Osaka Seitetsu Sho

O8 - Okano Tekkosho

P1 - Matsuoka Iron Works

P2 - Matsuo Shokai

P3 - Matsuura Tekkosho K.K.

P4 - Matsuura Tekkosho

P5 - Matsuda Seisakusho

P6 - Showa Kogyosho

P7 - Shinto Koki Seisakusho

R1 - Rokuroku Iron Works

R2 - Rokuroku Tekko K.K.

R3 - Rokuroku Seisakusho

R4 - Rokuroku Kogyo K.K.

S1 - Shoda Iron Works

S2 - Showa Shokai

S3 - Showa Kinzoku Kogyo K.K.

S4 - Suzuka Kogyosho

S5 - Shindo Seisakusho

S6 - Showa Kosakusho

S7 - Shinto Koki Seisakusho

T1 - Tokyo Koki Seizosho

T2 - Tokyo Kikai K.K.

T3 - Taylor Co.

T4 - Tsugami Adaka Seisakusho

T5 - Totoki Seisakusho

T6 - Toyo Kogyo K.K.

T7 - Teimei Shokai Ltd.Co.

T8 - Toa Iron Works Ltd.

T9 - Takeuchi Iron Works,Ltd.Co.

W1 - Wakamatsu Tekko K.K.

W2 - Warner & Swasey Co.

W3 - Wakayama Iron Works Ltd.

W4 - Whitcomb Locomotive Machine Co.

Y1 - Yamato Kogyo K.K.

Y2 - Yoshida Iron Works

Y3 - Yamamoto Tosaki K.K.

7. Present stocks of [illegible], surplus and [illegible] tools:-

Description	Quantity	Condition
Mild steel	[illegible] Kilos	In the bar
Special alloy steel	[illegible]	"
Pig iron	[illegible]	[illegible]
Non-ferro metal	[illegible]	[illegible] bars or plates [illegible] pieces
Mild steel	[illegible]	
Special alloy steel	[illegible]	"
Cast iron	[illegible]	"
Non-ferro metal	1,[illegible]	"

8. Present stocks of finished goods

Description	Quantity	Condition
Circular table	15 pairs	For No.2 Rise type milling machine use
Vice	50 "	
Attachment	11 "	
Arbor	132 pcs.	
Collet	150 "	

9. Present stocks of Fuel:-

Description	Quantity
Coke	5,000 Kilos

10. Machinery & equipment needed for Maximum production 1946 & 1947

Besides the Machinery and equipment already described in Item 6, the following wanted:-

Name	Size	Quantity
Cylindrical grinding machine	200x1500	One

10. Machinery & Equipment needed for maximum production 1943 - 1947. (Continued)

Name	Size	Quantity
Internal [illegible]		
Turret lathe		
Triple-B [illegible] Horse Machine		

11. Raw materials [illegible]

A. For the present [illegible]:

Description	Quantity
Mild steel	6,[illegible] kilos
Special alloy steel	500

B. For Maximum:

Description	Quantity
Mild steel	20,000 kilos
Special alloy steel	1,000 "
Pig iron	42,000 "
Non-ferro metal	1,[illegible]00 "
Timber	10 koku

12. Fuel needed (Monthly)

Description	Quantity
Coke	15,000 kilos
Coal	2,000 "

13. Additional personnel needed

Special kind		Number
Lathe	men	111 persons
Milling	"	71 "
Drilling	"	21 "
Grinding	"	15 "
Planing	"	13 "
Gear cutting	"	7 "
Boring	"	15 "
Foreman & director		22 "
Floor inspector	"	17 "
Miscellaneous	"	40 "
Technicians	"	23
Clerk & others	"	78
Total		581 persons.

14. Prices (Current selling prices) in Yen of Principal products

Description	Unit	Selling price
Wheel axle for Bicycle (i.e. for front & rear wheels)	1 pair	Yen 3.50
No.2 Knee type Junior milling machine	1 set	30,000.00
No.2 Knee type milling machine	1 set	58,400.00 ~~55,100.00~~
Single-spindle automatic screw machine	1 set	125,000.00 ~~120,000.00~~

15. Remarks:-

The main obstacles against production at present are mostly caused by the difficulties to get the principal materials; i.e. our needs such as special alloy steel, No.4 light wood steel (good quality) printing material, cutting and lubricating machine oil, kerosene, gasoline, grease, packing materials (timber, wrapping paper and mail) etc., and also added by the shortage for water supply.

Moreover, there is another difficulty which is very important for carrying on the business, for instance, the shortage for traffic power and slow recovery of "phone system" in the City.

So we sincerely hope that you will take these matters in your deep consideration and kindly give us your hearty assistance in this connection.

16. Certification by Applicant:-

I hereby certify that the information contained herein is true to the best of my knowledge and belief.

Signature .....

Title .....

17. Action by Occupation Forces:-