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Description of contents

- (1) Box no. 2935
- (2) Folder title/number: (8)  
Kokko Seisa Kogyo K.K. - Head Plant

(3) Date: Dec. 1945 - Oct. 1946

(4) Subject:

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- (5) Item description and comment:
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  - ii) Includes Contents List (Partial)

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Incoming Correspondences

No.	Date	Subject	Remarks
00071	7 Oct. 46	Monthly report of production (at the end of September, 1946) required in connection with the permit for Reconversion from War Production of Essential Civilian Commodities	
725	26 Nov 46	Monthly production report for Oct	

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
KOKKOGYO HANAGUCHIHO SUNIYOSHIKU  
O S A K A.

Date: 31st Oct., 1946.

To The Commanding General Headquarters,  
I Corps, APO 301,  
Attention, Military Government Section.

Subject: Monthly Report of Production (at the end of  
Oct., 1946) required in connection with the  
Permit for Reconversion from War Production  
of Essential Civilian Commodities.

1, Name of Firms:

Nokko Chain, Steel Casting and Other Steel Mfg.  
Co., Ltd.

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
Head Office, No.1 Head Works, No.2 Head Works  
Kobayashicho Works, Iguro Works,  
No.445 Hamaguchicho Suniyoshiku, Osaka.  
(Permission No.MG 342 dated 26th Dec., 1945)

2, Date re-opened operation formally:  
7th January, 1946.

3, Name, Type and Quantities produced during the  
month of Oct:

a, Steel Casting:

Special steel ingots,	14,000kg	¥ 42,000.
for railway cars,	7,023	70,280.
for machine tools,	12,091	120,910.
for ship fittings,	4,748	47,430.
<u>Total</u>	<u>37,867kg</u>	<u>280,670.</u>

b, Chains and their fittings:

anchor cable & fittings	55,116kg	¥ 662,539.
chains for coal cars,	2,314	46,280.
<u>Total</u>	<u>57,430kg</u>	<u>708,869</u>

c, Anchors and anchor gears: 5,754kg ¥ 57,540.

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FILE 725

d, Hardwares:  
(Spikes, tacks, kinkbolts, bolts & nuts):  
14,300kg ¥ 286,000.

e, Forged and rolled steel:	
forged steel,	51,183kg ¥ 405,174.
rolled steel,	170,176      467,458.
Total	<u>221,359kg ¥ 872,632.</u>

f, Machine tools and parts:  
31,945kg ¥ 159,725.

Remarks:

In spite of our efforts to attain the aimed amount of products, getting rid of all hindrances, the extreme difficulty of the acquisition of material, especially of coal and coke, is still remaining unsolved. And the amount of products were decreased to a large extent.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*J. Ichikawa*

President

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No.445 Hamaguchicho Sumiyoshiku,

O S A K A

Date: 30th, September, 1946.

To The Commanding General, Headquarters,  
1 Corps, APO 301,  
Attention, Military Government Section.

Subject: Monthly Report of Production (at the end of September,  
1946) required in connection with the Permit for  
Reconversion from War Production of Essential Civilian  
Commodities:

1, Name of Firm:

Kokko Chain, Steel Casting & Other Steel Mfg. Co., Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha  
Head Office, No.1 Head Works, No.2 Head Works,  
Kobayashicho Works Izuo Works.  
No.445 Hamaguchicho Sumiyoshiku, Osaka.

( Permission No. MG 348 dated 26th December, 1945 )

2, Date reopened operation formally:

7th, January, 1946.

3, Name, Type & Quantity produced during the month of  
September:

a, Steel Casting:

for railway cars(tires)	12,529Kg	¥125,290 <sup>00</sup>
for railway cars(others)	1,562 "	¥ 15,620 <sup>00</sup>
for ship fittings	8,839 "	¥ 88,390 <sup>00</sup>
for machine tools	3,314 "	53,140 <sup>00</sup>
<u>Total</u>	<u>26,244Kg</u>	<u>¥262,440<sup>00</sup></u>

b, Chains and their fittings:

anchors <del>and</del> cables	39,500Kg	¥471,600 <sup>00</sup>
fittings for anchor cables	1,068Kg	¥ 16,020 <sup>00</sup>
<u>Total</u>	<u>40,568Kg</u>	<u>¥487,620<sup>00</sup></u>

FILE

c, Anchors & Anchor Gears: 8,415Kg ¥ 84,150<sup>00</sup>

d, Forged Steel & Rolled Steel:	52,487Kg	¥223,028 <sup>00</sup>
Forged Steel	137,338Kg	¥663,042 <sup>00</sup>
Rolled Steel	189,825Kg	¥886,070 <sup>00</sup>
<u>Total</u>		

e, Hardwares:

spikes	}	16,200Kg	¥324,000 <sup>00</sup>
tacks			
kinkbolts			
bolts			
nuts			

f, Machine tools & Parts: 56,257Kg ¥181,285<sup>00</sup>

Remarks:

In spite of our efforts to attain the aimed amount of products, getting rid of all hindrances, extreme difficulties of financing and acquisition of materials, especially of coal, are still remaining unsolved. As a natural result of it, the amount of products was decreased to a large extent.

( FINIS )

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichinaga*

President

FILE

HEADQUARTERS SIXTH ARMY  
Military Government Section

File: MG 342.

APD 442  
Date: 26 December 1945

SUBJECT: Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities.

TO : ~~Kokko Seisa Kogyo Kabushiki Kaisha, Head Office,  
No. 1 Head Works, (Name & Address of Firm)  
No. 2 Head Works, Kobayashico Works, Izuo Works,  
No. 414 Hamaguchicho Sumiyoshi-ku, Osaka~~

1. In accordance with the provisions of paragraphs 3 a and 3 b of Directive No. 3 from the Supreme Commander for the Allied Powers, dated 22 September 1945; Memorandum for the Imperial Japanese Government, Subject: Reconversion of War Production Plants to Peacetime Production, dated 28 October 1945; and under authority granted this Headquarters by CINCAPPAC Radio ZAX 6197 dated 3 October 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in Annex No. 1 to this permit.

2. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

3. At the end of the first month of operation, and at the end of each three-month period thereafter, until notified to the contrary by this Headquarters a report will be made to the Commanding General I Corps, Headquarters Osaka, Attention: Military Government Section. This report will be written in English and will list each item, by name, type, and quantity produced by each factory, subsidiary, or sub-contractor operating under the provisions of this permit. This report will be delivered to Corps Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

GEORGE D. SEARS  
Colonel, Infantry  
Military Government Officer

Info Copies To:

GHC, SCAP ( Attn: E. & S. Sec )  
CG I Corps, (Attn: MG Sec.)  
Imperial Japanese Gov't  
(6th Army Jap. Liaison Office, Kyoto)

1 Incl:  
Annex No. 1

*and 39*

*MG*

The Kokko Seisa Kogyo Kabushiki Kaisha  
No. 414 Hamaguchicho Sumiyoshiku,  
O S A K A

April 30, 1946.

Application for the permission of  
transporting of machines.

We hereby apply for the permission of transporting the equipments and machines, listed in the following columns, in our Kobayashicho Works and Izuo Works, to our Head Works, to reorganize them concentrately and use effectually in connection with the equipments in Head Works, to manufacture the commodities permitted.

The permission from Headquarters Sixth Army Military Government Section ( File No. MG 342, dated Dec. 26, 1945 ) as per a copy attached.

Moreover, in connection with the above mentioned transportation, we apply for the permission of transporting the equipments and machines, listed in the postscript, to the repair-shop of motor-truck on our Sampo Warehouse ground, which shall be enlarged in order to promote the efficiency of transportation of the above mentioned goods and materials.

- 1) Name of Applicant:  
Kokko SEISA Kogyo Kabushiki Kaisha
- 2) Location of Applicant:  
No. 414 Hamaguchicho Sumiyoshi-ku, Osaka.
- 3) Present Location of the equipments and machines:
  - a) Our KOBAYASHICHO Works,  
No. 222, Kobayashicho Taishoku, Osaka.
  - b) Our Izuo Works,  
No. 5, 5th-chome Izuo Nakadori Taishoku, Osaka.
- 4) The equipments and machines desired to be transported:
  - a) Equiped at present in our Kobayashicho Works,

Name	Capacity	Number
Electric Furnance	8 Ton	1
"	2 Ton	1
Face Lathe	12"	1
Lathe	8"	1
Planing machine	20"	1
"	12"	1
"	10"	1
Shaping machine		1



Drilling machine	1
Amsler Testing Machine	1
Pattern Lathe	1
Other equipments annexed to the above machines.	

b) Equiped at present in our Izuo Works,

Name	Capacity	Number
Steam hammer	2 Ton	1
"	1/2 "	1
"	3/4 "	1
Lathe	15"	1
"	10"	1
Drilling machine	24"	1
Other equipment annexed to the above machines		

All of these equipments and machines belong perfectly to our company.

5) Location of plant to which desired to be transported:  
 Kekko Seisa Kogyo Kabushiki Kaisha,  
 No. 1 Head Works & No. 2 Head Works,  
 No. 445, Hamaguchicho Sumiyoshiku, Osaka. and  
 No. 4, Midorigicho Sumiyoshi-ku, Osaka.

6) Usage of these machines after transportation:  
 We use these machines, as stated above, after transportation to manufacture the essential civilian commodities permitted from the Headquarters Sixth Army Military Government Section ( File No. MG 342 )

7) Reason for requiring transportation:  
 Being received "Permit for conversion from War Production and for resumption of Production of Essential Civilian Commodities" dated 26 December, 1945, (File No. MG 342), from Headquarters Sixth Army Military Government Section (a copy annexed), as mentioned above, we want to reorganize these equipments and machines concentrately in connection with the equipments in No.1 Head Works & No.2 Head works to manufacture the commodities permitted.

POSTSCRIPT

As mentioned above, we hereby apply for the permission of transporting the equipments and machines, listed in the following column, to our repair-shop on our Sampo Warehouse ground which shall be enlarged to make the transportation effectively.

Name	Capacity	Number	Present Location
Lathe	8"	2	Kobayashicho Works No. 222, Kobayashicho, Taishoku, Osaka.
"	4"	1	Head Works Osaka. No. 445, Hamaguchicho, Sumiyoshiku,
Radial drilling machine		1	Kobayashicho Works No. 222, Kobayashicho, Taishoku, Osaka
Drilling machine		1	" "

( Finis )

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichihara*

President

HEADQUARTERS SIXTH ARMY  
Military Government Section

APC 442

Date: 26 December 1945

File: MG 342

SUBJECT: Permit for Reconversion from war production and for Resumption of Production of Essential Civilian Commodities.

To : Kokko Seisa Kogyo Kabushiki Kaisha, Head Office,  
No.1 Head Works,  
No.2 Head Works, Kobayashicho Works, Izuo Works,  
No.414 Hamaguchicho Sumiyoshi-ku, Osaka

1. In accordance with the provisions of paragraphs 3 a and 3 b of Directive No. 3 from the Supreme Commander for the Allied Powers, dated 22 September 1945; Memorandum for Imperial Japanese Government, Subject: Reconversion of war production plants to peacetime production, dated 28 October 1945; and under authority granted this Headquarters by CINCAFPAC Radio ZAX 6197 dated 3 October 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in Annex No. 1 to this permit.

2. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products, and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

3. At the end of the first month of operation, and at the end of each three-month period thereafter, until notified to the contrary by this Headquarters a report will be made to the Commanding General I Corps, Headquarters Osaka, Attention: Military Government Section. This report will be written in English and will list each item by name, type and quantity produced by each factory, subsidiary, or sub-contractor operating under the provisions of this permit. This report will be delivered to Corps Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

GEORGE D. SEARS  
Colonel, Infantry  
Military Government Officer

Info Copies To:

GHQ, SCAP (Attn: E & S Sec)  
CG I Corps, (Attn: MG Sec)  
Imperial Japanese Gov't  
(6th Army Jap. Liaison Office, Kyoto)

1 Incl:  
Annex No. 1

HEADQUARTERS SEVENTH ARMY  
Military Government Section  
APO 442

26 December 1945

ANNEX NO. 1

Permission is granted to Kokko Soisa Kogyo Kabushiki Kaisha, Head Office, No. 1 Head Works, No. 2 Head Works, Kobayashicho Works, Izuo Works, No. 414 Hamaguchicho Sumiyoshi-ku, Osaka to produce the following items listed below:

1. Steel Casting for:
  - a. Ship fittings.
  - b. Motor cars.
  - c. Mine Equipment.
  - d. Railway cars.
  - e. Machine tools.
2. Chains and their fittings.
3. Anchors and anchor gears.
4. Medium and small stamp-forgings.
5. Forged and rolled steel.
6. Hardware such as:
  - a. Spikes.
  - b. Tacks.
  - c. Kinkboles.
  - d. Bolts.
  - e. Nuts.
7. Railway cars (Freight, and passenger and trolley).
8. Machine tools and parts.

-----  
(Nothing Follows)

D.S. LOCKIE  
Capt., F.D.

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No. 445 Hamaguchicho Sumiyoshiku

O S A K A

To The Commanding General, Headquarters,  
1 Corps, APO 301,  
Attention, Military Government Section.

Subject: Monthly Report of Production (at the end of  
July, 1946) required in connection with the  
Permit for Reconversion from War Production  
of Essential Civilian Commodities.

1, Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg.  
Co., Ltd.

Kokko Seisa Kogyo Kabush-iki Kaisha  
Head Office, No. 1 Head Works, No. 2 Head Works,  
Kobayashicho Works, Izuo Works,  
No. 445 Hamaguchicho Sumiyoshiku, Osaka.

( Permission No. MG 342 dated 26th December, 1945)

2, Date re-opened operation formally:

7th, January, 1946.

3, Name, Type and Quantity produced during the month  
of July:

a, Steel Casting:		
for railway cars (tires)		37,154 Kg
for railway cars (others)		351 "
for machine tools		5,660 "
for ship fittings		552 "
<u>Total</u>		<u>43,714 Kg</u>
b, Chains and their fittings:		
Anchor cables		57,888 Kg
<u>fittings for anchor cables</u>		<u>1,347 "</u>
<u>Total</u>		<u>59,235 Kg</u>
c, Anchors and anchor gears:		6,206 Kg
d, Forged steel and rolled steel:		
Forged steel		41,288 Kg
<u>Rolled steel</u>		<u>9,186 "</u>
<u>Total</u>		<u>50,474 Kg</u>

e, Hardwares:		
spikes	)	
tacks	)	
kinkbolts	)	16,300 Kg
bolts	)	
nuts	)	

f, Machine tools and parts: 42,276 Kg

Remarks:

In spite of our efforts to attain the aimed amount of products, getting rid of all hindrances, the extreme difficulty of the acquisition of materials, especially of coal, is still remaining unsolved.

As for coal, real amount received was only 75 tons.

Such being the case, the amount of products were decreased to a large extent.

( Finis )

KOKKO SEISA KOGYO KABUSHIKI KAISHA

T. Ishihara

President

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No. 445 Hamaguchicho Sumiyoshiku,  
414  
O S A K A

Date: 31st, August, 1946.

To The Commanding General, Headquarters,  
1 Corps, APO 301,  
Attention, Military Government Section.

Subject: Monthly Report of Production (at the end of  
August, 1946) required in connection with the  
Permit for Reconversion from War Production  
of Essential Civilian Commodities.

1, Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg.  
Co., Ltd.

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
Head Office, No. 1 Head Works, No. 2 Head Works  
Kobayashicho Works, Izuo Works,  
No. 445 Hamaguchicho Sumiyoshiku, Osaka.

(Permission No. MG 342 dated 26th December, 1945)

2, Date re-opened operation formally:

7th, January, 1946.

3, Name, Type and Quantity produced during the month  
of August:

a, Steel Casting:

for railway cars (tires)	25,123 Kg	¥251,230 <sup>00</sup>
for railway cars (others)	7,000 Kg	¥ 70,000 <sup>00</sup>
for machine tools	1,747 Kg	¥ 17,470 <sup>00</sup>
for ship fittings	5,530 Kg	¥ 55,300 <sup>00</sup>
Total	39,400 Kg	¥394,000 <sup>00</sup>

b, Chains and their fittings:

Anchor cables	37,634 Kg	¥451,608 <sup>00</sup>
fittings for anchor cables	988 Kg	¥ 14,820 <sup>00</sup>
Total	38,622 Kg	¥466,428 <sup>00</sup>

c, Anchors and anchor gears:  
 ¥ 6,092 Kg      ¥ 60,920<sup>00</sup>

d, Forged and rolled steel:  
 Forged steel  
 47,891 Kg      ¥503,990<sup>00</sup>  
 Rolled steel  
 150,013 Kg      ¥588,948<sup>00</sup>

Total 197,904 Kg      ¥1,092,938<sup>00</sup>

e, Hardware:  
 (spikes, tacks, kinkbolts, bolts, nuts,)  
 16,400 Kg      ¥328,000<sup>00</sup>

f, Machine tools and parts:  
 21,903 Kg      ¥109,515<sup>00</sup>

## Remarks:

In spite of our efforts to attain the aimed amount of products, getting rid of all hindrances, the extreme difficulty of the acquisition of materials, especially of coal, is still remaining unsolved.

As for coal, real amount received during this month was only 50 tons.

Such being the case with coal, the amount of products were decreased to a large extent.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichihara*

President



KOKKO SEISA KOGYO KABUSHIKI KAISHA  
 No. 445 Hamaguchicho Sumiyoshiku

O S A K A

To The Commanding General, Headquarters,  
 1 Corps, APO 301,  
 Attention, Military Government Section.

Subject: Monthly Report of Production (at the end of  
 June, 1946 ) required in connection with the  
 Permit for Reconversion from War Production  
 of Essential Civilian Commodities.

1, Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg.  
 Co., Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha  
 Head Office, No. 1 Head Works, No. 2 Head Works  
 Kobayashicho Works, Izuo Works,  
 No. 445 Hamaguchicho Sumiyoshiku, Osaka.

( Permission No. MB 342 dated 26th December, 1945 )

2, Date re-opened operation formally:

7th, January, 1946.

3, Name, Type and Quantity produced during the month of  
 June:

a, Steel Casting:	39,018 Kg
for railway cars (tires )	<del>84,888 Kg</del>
for railway cars (others)	300 "
for machine tools	10,310 "
for ship fittings	2,162 "
Total	<u>51,790 "</u>
b, Chains and their fittings:	75,749 Kg
Anchor cables,	1,974 "
fittings for anchor cables,	<u>77,723 "</u>
Total	
c, Anchors and anchor gears:	15,059 Kg
d, Forged and rolled steel:	31,473 Kg
Forged steel,	135,283 "
Rolled steel,	<u>166,756 "</u>
Total	

e, Hardwares:

- spikes
- tacks
- kinkbolts
- bolts
- nuts

16,100 Kg

f, Machine tools and parts:

30,700 Kg

Remarks:

In spite of our efforts to attain the aimed amount of products, getting rid of all hindrances, the extreme difficulty of the acquisition of materials, especially of coal and carbon electrodes are still remaining unsolved.

As for coal, 50 ton was allocated for this month, but real amount received was nothing.

Such being the case, operation was stopped partly in our Works.

( FINIS )

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ishihara*

President

*No. 414*

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No. 414 Hamaguchicho Sumiyoshiku,

O S A K A

Date: 31th, May, 1946.

To The Commanding General, Headquarters,  
1 Corps, APO 301,  
Attention, Military Government Section.

SUBJECT: Monthly Report of Production (at the end of  
May, 1946) required in connection with the Permit  
for Reconversion from War Production of Essential  
Civilian Commodities.

1. Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg. Co. Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha  
Head Office, No. 1 Head Works, No. 2 Head Works,  
Kobayashicho Works, Izuo Works,  
No. 414 Hamaguchicho Sumiyoshiku, Osaka.

(Permission No. MG 342 dated 26th December, 1945)

2. Date re-opened operation formally:

7th January, 1946

3. Name, Type and Quantity produced during the month of  
May:

a. Steel Casting:

for railway cars (tires)	34,880	Kg
for railway cars (others)	2,104	"
for machine tools,	3,700	"
for ship fittings,	1,379	"
<u>Total</u>	<u>42,063</u>	<u>"</u>

b. Chains and their fittings:

anchor cables,	45,860	Kg
<u>fittings for anchor cables,</u>	<u>438</u>	<u>"</u>
<u>Total</u>	<u>46,298</u>	<u>"</u>

c. Anchors and anchor gears: 638 Kg

d. Forged and rolled steel: 368,296 Kg

e, Hardwares:

spikes

tacks

kinkbolts

bolts

nuts

15,300 Kg

f, Machine tools and parts:

29,770 Kg

REMARKS:

We are endeavouring to attain the aimed amount of products, getting rid of all hindrances, but the extreme difficulty of the acquisition of materials, especially of coal and carbon electrodes, and the unsatisfactory condition of employment of workmen, are still remaining unsolved.

( Finis )

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichikawa*

President

DECLASSIFIED E.O. 12958 SECTION 3 (b) (1), (b) (7) (C)

TRANSLATION

November 10th, 1945.

Governor Zentaro Arai, of Osaka Prefecture.

The application for the permission of immediate reoperation (provisionally) of works.

As we offer "the application for the permission of conversion to the essential consumers commodities" (under separate cover), recently we are offered to accept many orders, specification as per enclosed from shipbuilding yards, railway companies and electric railway companies etc., to manufacture hurriedly chain cables for merchantships, steel-castings for tires of cars, forged steel and rolled bars for consumers use, such as for vessels, cars etc..

Some of these orders need to supply immediately or in the course of this month.

According as the present poor condition of the vessels, and electric railways, we wish to manufacture them immediately with our best ability.

So we send in the application for the permission of immediate reoperation (provisionally) of our works until we receive the formal permission.

(end)

Kokko Chain, Steel Casting and Other  
Steel Mfg. Co., Ltd.

President, Tsurukichi Ishihara.

Specification of orders for consumers

Name of articles	Name of consumers	Quantity	Remarks
62 m/m chain cables	Maritime Bureau of the Department of Transportation (Kaiunsookyoku-Senpakukyoku)	3	Supply immediately
48 m/m " "	Mitsubishi Zukogyo Co.,Ltd. Nagasaki ship building yard	54	in the course of inst.
" "	do Hiroshima shipbuilding yard	180	18 pieces every month since November, 1945
" "	do Yokohama shipbuilding yard	18	immediately
" "	Nippon Steelpipe Mfg.Co.(Nippon Kokan Co.) Shimizu Works.	11	"
30 m/m " "	Mitsubishi Zukogyo Co.Ltd. Shimonoseki shipbuilding yard	11	in the course of inst.
Steel-cast tires of cars	Osaka municipal electric tramway.		offered to manufacture some trial goods immediately from administrator of the Department of Railways
" "	Kyoto " "		
" "	Kinki Nippon Railway Co.		
Steel-castings for cars (Railways and tram-cars)	" "	in negotiation about the quantity	Many orders to manufacture hurriedly from each Co.
" "	Kei-Han-Shin Kyuko Railway Co.		
" "	Hanshin Railway Co.		
forged steel and rolled bars	Mitsubishi Zyukogyo Co.Ltd. Nagasaki shipbuilding yard	do	orders to manufacture hurriedly
" "	Kanegafuchi Industrial Co.	do	
" "	Daiken Industrial Co.	about 350 #	for fittings of motor-cars.

(end)

KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No. 414 Hamaguchicho Sumiyoshi-ku,  
O S A K A

Date: 30th April, 1946

To The Commanding General, Headquarters,  
I Corps, APO 301,  
Attention, Military Government Section.

SUBJECT: Monthly Report of Production (at the end of  
April, 1946) required in connection with the  
Permit for Reconversion from War Production  
of Essential Civilian Commodities.

1. Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg. Co., Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha  
Head Office, No. 1 Head Office Works, No. 2 Head WORKS,  
Kobayashicho Works, Izuo Works,  
No. 414 Hamaguchicho Sumiyoshiku, Osaka.

(Permission No. MG 342 dated 26th December, 1945)

2. Date re-opened operation formally:

7th January, 1946

3. Name, type and quantity produced during the month of April

a. Steel Casting:

for railway cars (tires),	20,670	kg
for parts of machine tools,	2,942	"
for shipping,	7,358	"
Total	<u>30,970</u>	kg

b. Chains and their fittings:

anchor cables,	12,508	kg
general chains,	540	"
fitting for anchor cables,	1,638	"
Total	<u>14,686</u>	kg

c. Anchors and anchor gears:

1,982 kg

d, Forged and rolled steel:

357,460 kg

e, Hardwares:

- spikes
- tacks
- kinkbolts
- bolts
- nuts

16,000 kg

f, Machine tools and parts:

44,336 kg

Remarks:

We are endeavouring to attain the aimed amount of products, getting rid of all hindrances, but the extreme difficulty of the acquisition of materials, especially of coal and carbon electrodes, and the unsatisfactory condition of employment of workmen, are still remaining unsolved.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichihara*

President



KOKKO SEISA KOGYO KABUSHIKI KAISHA

No. 414 Hamaguchicho Sumiyoshi-ku,  
O S A K A

Date: 31st March, 1946

To The Commanding General, Headquarters,  
I Corps, APO 301,  
Attention, Military Government Section.

SUBJECT: Monthly Report of Production (at the end of  
March, 1946) required in connection with the  
Permit for Reconversion from War Production  
of Essential Civilian Commodities.

1. Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg. Co., Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha  
Head Office, No. 1 Head Works, No. 2 Head Works,  
Kobayashicho Works, Izuo Works,  
No. 414 Hamaguchicho Sumiyoshiku, Osaka.

(Permission No. MG 342 dated 26th December, 1945)

2. Date re-opened operation formally:

7th January, 1946

3. Name, type and quantity produced during the month of March:

a. Steel Castings:	
for railway cars (tires),	14,360 kg
for parts of machine tools,	1,493 "
for ship ing,	708 "
Total	16,559 kg
b. Chains and their fittings:	
anchor cables,	30,226 kg
general chains,	1,480 "
fitting for anchor cables,	467 "
Total	32,173 kg
c. Anchors and anchor gears:	2,445 kg

d. Forged and rolled steel:	
forged steel,	3,422 kg
rolled steel,	363,009 "
total	<u>366,431 kg</u>
e. Hardwares:	
spikes )	
tacks )	
kinkbolts )	14,200 kg
bolts )	
nuts )	
f. Machine tools and parts:	13,201 kg

Remarks:

We are endeavouring to attain the aimed amount of products, getting rid of all hindrances, but the extreme difficulty of the acquisition of materials, especially of carbon electrodes, and the unsatisfactory condition of employment of workmen, are still remaining unsolved.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ishihara*  
President

KOKKO SEISA KOGYO KABUSHIKI KAISHA

No.414 Hamaguchicho Sumiyoshi-ku,

O S A K A.

Date: 28th February, 1946.

To The Commanding General, Headquarters,  
I Corps, APO 301,  
Attention, Military Government Section.

SUBJECT: Monthly Report of Production (at the end  
of February 1946) required in connection  
with the Permit for Reconversion from  
war production of Essential Civilian  
Commodities.

1, Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg. Co.,  
Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha,  
Head Office, No.1 Head Works, No.2 Head Works,  
Kobayashicho Works, Izuo Works,  
No.414 Hamaguchicho Sumiyoshi-ku, Osaka.

(Permission No. MG 342 dated 26th December, 1945)

2, Date re-opened operation formally:

7th January, 1946.

3, Name, type and quantity produced during the month of  
February:

a. Steel Casting:	
for railway cars (tires),	13,638 kg.
for parts of machine tools,	102 "
total	<u>13,740 "</u>
b. Chains and their fittings:	
anchor cables,	34,024 kg.
general chains,	3,002 "
fitting for anchor cables,	1,186 "
total	<u>38,212 "</u>
c. Anchors and anchor gears:	1,448 kg.

d. Forged and rolled steel:  
forged steel,  
rolled steel,  
total

8,185 kg.  
240,604 "  

---

248,789 kg.

e. Hardwares:  
spikes )  
tacks )  
kinkbolts )  
bolts )  
nuts )

15,500 kg

f. Machine tools and parts:  
Jeep's winterized top,  
machine tools' parts,

76 vehicles  
(incl. unmounted 73 )  
27,395 kg

Remarks:

1. We have finished the re-transportation, to our No.1 Head Works, of the all machinery which was in Tomo Numakumagun in Hiroshima Prefecture for dispersion, and now are preparing to set them up.
2. We are endeavouring to attain the aimed amount of products, getting rid of all hindrances, that is, the difficulty of the acquisition of materials especially of carbon electrodes and of employment of workmen.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

T. Ichihara

President

regarded to be permitted

List of new Application (Sumiyoshi-ku)

(170)  
 Name. Kokko Chain, Steel Casting & other steel Mfg. Co. Ltd.  
 Location <sup>No. 1 Head Works</sup> No. 445 Yamaguchi-cho Sumiyoshi-ku, Osaka.  
<sup>No. 2 Head Works</sup> No. 4 Midorigicho Sumiyoshi-ku, Osaka  
<sup>Kobayashicho works</sup> No. 222 Kobayashicho Taisho-ku, Osaka.  
<sup>Iguo works</sup> No. 5 5th-Chome Iguo-Nakadori, Taisho-ku Osaka.

(146)  
 Name Fujinagata ~~Ship~~ Shipbuilding & Dockyard Co. Ltd  
 Location <sup>Head office and main works</sup> No. 44 Shibatami-cho Sumiyoshi-ku, Osaka.  
<sup>Funamachi works</sup> No. 6 Funamachi Taisho-ku, Osaka  
<sup>Seushu works</sup> Minamihada-mura, Seuboku-gun, Osaka-fu  
<sup>Kongo works</sup> Mitakaichi-mura, Minamitarawachi-gun Osaka-fu  
<sup>Suminoe works</sup> Minamikagaya-cho Sumiyoshiku Osaka.

(250)  
 Name The Sumiyosi factory of the Japan Metalurgic Mfg. Co. Ltd  
 大 阪 府

DECLASSIFIED E.O. 12958 SECTION 3 (b) (7) (D)

**CORRECTION**

**THIS DOCUMENT  
HAS BEEN REPHOTOGRAPHED  
TO ASSURE LEGIBILITY**

List of new Application (Sumiyoshi-ku)

(170)  
 Name, Kokko Chain, Steel Casting & other steel Mfg. Co. Ltd.  
 Location <sup>No. 1 Head Works</sup> No. 445 Hamaguchicho Sumiyoshi-ku, Osaka.  
<sup>No. 2 Head Works</sup>  
<sup>No. 4 Midorigicho</sup> Sumiyoshi-ku, Osaka  
<sup>Kobayashicho works</sup>  
 No. 222 Kobayashicho Taisho-ku, Osaka.  
<sup>Izuo works</sup>  
 No. 5 5th-Chome Izuo-Nakadori, Taisho-ku Osaka.

(146)  
 Name Fujinagata ~~Ship~~ Shipbuilding & Dockyard Co, Ltd  
<sup>Head office and main works</sup>  
 Location No. 44 Shibatami-cho Sumiyoshi-ku, Osaka.  
<sup>Funamachi works</sup>  
 No. 6 Funamachi Taisho-ku, Osaka  
<sup>Seushu works</sup>  
 Minamimikada-mura, Seuboku-gun, Osaka-fu  
<sup>Kongo works</sup>  
 miketaichi-mura, Minamimikawachi-gun Osaka-fu  
<sup>Suminose works</sup>  
 Minamikagaya-cho Sumiyoshiku Osaka.

(250)  
 Name The Sumiyosi factory of the Japan Metalurgic Mfg. Co. Ltd  
 K K K 府  
 The Factory  
 Sumiyoshi Osaka

No. 6 Funamachi Tai-sho-ku, Osaka  
Seusku works  
Minamikada - mura, Seuboku-gun, Osaka - fu  
Kongo works  
mikaichi - mura, Minamikawachi-gun Osaka - fu  
Suminse works  
Minamikagaya-cho Sumiyoshi-ku Osaka.

(250) name ~~The Sumiyosi factory of the Japan Metalurgic Mfg. Co., Ltd~~  
K \* 阪 府

Location <sup>The Factory</sup> No. 4 Futakagaya-cho Sumiyoshi, Osaka

( Higashisumiyoshi ku )

(68) name Dai Nippon Boseki K. K. Hirano Cotton Mill.

Location <sup>mill</sup> No. 12. Hiranomiya-machi Higashisumiyoshi-ku Osaka.

(121) name ~~Amagashi Denki Company, Inc.~~

Location ~~No. 34 Hirano-odori, Higashisumiyoshi-ku, Osaka.~~

Osaka Prefecture  
Office



KOKKO SEISA KOGYO KABUSHIKI KAISHA

No.414, Hamaguchicho Sumiyoshi-ku,  
OSAKA.

Date: 31st. January, 1946.

To The Commanding General I Corps, Headquarters,  
O s a k a,

SUBJECT: Report of Production (at the end of the first month of operation) required in connection with the Permit for Reconversion from war production and for Resumption of Production of Essential Civilian Commodities.

1. Name of Firms:

Kokko Chain, Steel Casting and Other Steel Mfg. Co., Ltd.

Kokko Seisa Kogyo Kabushiki Kaisha,  
Head Office, No.1 Head Works, No.2 Head Works,  
Kobayashicho Works, Izuo Works,  
No.414 Hamaguchicho Sumiyoshi-ku, Osaka.

大阪市住吉區濱口町四一四  
國光製鑄鋼業株式會社本社。本社工場。本社第二工場  
小林町分工場。泉尾分工場

(Permission No. MG 342 dated 26th December, 1945)

2. Date received by us the Permit:

5th January, 1946.

3. Date opened operation formally:

7th January, 1946.

4. Name, type and quantity produced during the first month of operation (7th January to 31st January):

- a. Steel Casting:
  - for Railway cars (Tires) 6,320 kg
- b. Chains and their fittings:
  - anchor cables, 97,401 kg
  - general chains, 2,901 "
  - fittings for anchor cables, 2,472 "
  - total 102,783 "

SHEET NO. 2

c. Anchors and anchor gears:	3,781 kgs
d. Forged and rolled steel:	
forged steel,	850 kg
rolled steel,	74,202 "
total	75,052 "
e. Hardwares:	
spikes )	
tacks )	
kinkbolts	12,300 kg
bolts )	
nuts )	
f. Machines tools and parts:	
Jeep's winterized top,	127 vehicles
machine tools' parts,	26,035 kg

Remarks:

- 1) Making application to the authorities of the Allied Forces on 10th of January, 1946 (Application No.344), for the permission to transport the machinery which had been in Tomo Numakumagun in Hiroshima Prefecture for dispersion and of which we are now in need in No.1 Head Works to use them effectually in connection with the equipments here for the production of the commodities permitted as mentioned in the "H" column of our "Application for the permission of conversion to the essential consumers commodities", we have been preparing for the setting up of the machinery on the other hand. On 30th Jan. receiving the permission for the removal of machinery, we are now in operation of the removal.
- 2) Making application to the authorities of the Allied Forces on 10th Jan., 1946 (Application No.344) for the permission for the transportation of 5 machines (two 12' lathes, one 13' and two 16') from Kobayashicho Works to

Sheet No. 3

No.1 Head Works to use them effectually in connection with the equipments in the latter to produce the commodities permitted we are preparing for the setting up of the machinery on the other hand. On 30th Jan. we received the permission for the removal of machinery and finished to set them up now.

- 3) The acquisition of materials is very difficult for us in the post-war confused market. We can hardly secure a necessary quantity of coal, one of the hardest material to get, and also are now in great difficulties to acquire carbon electrodes for electric furnaces, effecting an hindrance to productive operation. But still we are making our best efforts to get them as ever.
- 4) This month (from 7th Jan. to 31st Jan.) the first month of operation, steel castings (accepted many orders of Tires of railway-cars etc.) are for the most part in the process of making their wooden moulds and other products are mostly semi-finished and so this term we can hardly able to count up the tonnage of finished products.

(Finis)

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Sekihara*

President

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THE KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No.414, Hamaguchicho Sumiyoshi-ku, Osaka.

10 January, 1946

Application for the permission  
of transportation of machines.

- 1). Name of Applicant:  
The Kokko Seisa Kogyo Kabushiki Kaisha.
- 2). Location of the Applicant:  
No.414, Hamaguchicho Sumiyoshi-ku, Osaka.
- 3). Present Location of Machines:  
The Kokko Seisa Kogyo Kabushiki Kaisha,  
Kobayashicho Works,  
No.222 Kobayashicho Taisho-ku, Osaka.
- 4). Location of plant, to which desired to be transported:  
The Kokko Seisa Kogyo Kabushiki Kaisha,  
No.1 Head Works,  
No.445, Hamaguchicho Sumiyoshi-ku, Osaka.
- 5). Machines to be transported:
 

Lathe 12'	2 sets
" 13'	1 set
" 16'	2 sets
total	5 sets
- 6). Reasons for requiring transportation:  
Being received "Permit for Reconversion from War  
Production and for Resumption of Production of Essential  
Civilian Commodities", dated 26 December 1945, (File  
number MG 342), from Headquarters Sixth Army Military  
Government Section (a copy annexed), we want to bring

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THE KOKKO SEISA KOGYO KABUSHIKI KAISHA  
No.414, Hamaguchicho Sumiyoshi-ku, Osaka.

10 January, 1946

Application for the permission  
of transportation of machines.

- 1). Name of Applicant:  
The Kokko Seisa Kogyo Kabushiki Kaisha.
- 2). Location of the Applicant:  
No.414, Hamaguchicho Sumiyoshi-ku, Osaka.
- 3). Present Location of Machines:  
The Kokko Seisa Kogyo Kabushiki Kaisha,  
Kobayashicho Works,  
No.222 Kobayashicho Taisho-ku, Osaka.
- 4). Location of plant, to which desired to be transported:  
The Kokko Seisa Kogyo Kabushiki Kaisha,  
No.1 Head Works,  
No.445, Hamaguchicho Sumiyoshi-ku, Osaka.
- 5). Machines to be transported:
 

Lathe 12'	2 sets
" 13'	1 set
" 16'	2 sets
total	5 sets
- 6). Reasons for requiring transportation:  
Being received "Permit for Reconversion from War  
Production and for Resumption of Production of Essential  
Civilian Commodities", dated 26 December 1945, (File  
number MG 342), from Headquarters Sixth Army Military  
Government Section (a copy annexed), we want to bring

(sheet No.2)

these machines here and to use in connection with the equipments in No.1 Head Works to manufacture the commodities permitted.

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ishikawa*

President

1 encl:

"Permit for Reconversion from War Production and for Resumption of Production of Essential Civilian Commodities", from Headquarters Sixth Army Military Government Section.

HEADQUARTERS SIXTH ARMY  
Military Government Section

APC 442

File: MG 342

Date: 26 December 1945

SUBJECT: Permit for Reconversion from war production and for Resumption of Production of Essential Civilian Commodities.

To : Kokko Seisa Kogyo Kabushiki Kaisha, Head Office, No.1 Head Works, No.2 Head Works, Kobayashicho Works, Izuo Works, No.414 Hamaguchicho Sumiyoshi-ku, Osaka

1. In accordance with the provisions of paragraphs 3 a and 3 b of Directive No. 3 from the Supreme Commander for the Allied Powers, dated 22 September 1945; Memorandum for Imperial Japanese Government, Subject: Reconversion of war production plants to peacetime production, dated 28 October 1945; and under authority granted this Headquarters by CINCAFPAC Radio ZAX 6197 dated 3 October 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in Annex No. 1 to this permit.

2. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products, and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

3. At the end of the first month of operation, and at the end of each three-month period thereafter, until notified to the contrary by this Headquarters a report will be made to the Commanding General I Corps, Headquarters Osaka, Attention: Military Government Section. This report will be written in English and will list each item by name, type and quantity produced by each factory, subsidiary, or sub-contractor operating under the provisions of this permit. This report will be delivered to Corps Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

GEORGE D. SEARS  
Colonel, Infantry  
Military Government Officer

Info Copies To:

GHQ, SCAP (Attn: E & S Sec)  
CG I Corps, (Attn: MG Sec)  
Imperial Japanese Gov't  
(6th Army Jap. Liaison Office, Kyoto)

1 Incl:  
Annex No. 1

DECLASSIFIED E.O. 12958 SECTION 5.102, 105, 106  
HEADQUARTERS SIXTH ARMY  
Military Government Section  
APO 442

ANNEX NO. 1

26 December 1945

Permission is granted to Kokko Seisa Kogyo Kabushiki Kaisha, Head Office, No. 1 Head Works, No. 2 Head Works, Kobayashicho Works, Izuo Works, No. 414 Hamaguchicho Sumiyoshi-ku, Osaka to produce the following items listed below:

1. Steel Casting for:
  - a. Ship fittings.
  - b. Motor cars.
  - c. Mine Equipment.
  - d. Railway cars.
  - e. Machine tools.
2. Chains and their fittings.
3. Anchors and anchor gears.
4. Medium and small stamp-forgings.
5. Forged and rolled steel.
6. Hardware such as:
  - a. Spikes.
  - b. Tacks.
  - c. Kinkbolts.
  - d. Bolts.
  - e. Nuts.
7. Railway cars (Freight, and passenger and trolley).
8. Machine tools and parts.

-----  
(Nothing Follows)

D.S. LOCKIE  
Capt., F.D.



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The Kokko Seisa Kogyo Kabushiki Kaisha  
No.414, Hamaguchicho Sumiyoshiku, Osaka.

10 January, 1946.

Application for the permission of  
transportation of dispersed machines  
and equipments.

We hereby apply for the permission of transporting the  
dispersed machines and equipments (listed in the following  
third column) in Tomo Numakusa-gun, Hiroshima Prefecture,  
(including in the custody of No.1 Head Works etc. in transit  
to Tomo) by reason stated in the following fourth column,  
to equip and use effectually to manufacture the commodities  
permitted.

1). Name of applicant:

The Kokko Seisa Kogyo Kabushiki Kaisha.

2). Location of the applicant:

No.414, Hamaguchicho Sumiyoshi-ku, Osaka.

3). Name of machines and equipments to be transported,  
Present location and location of plants to which  
desired to be transported:

<u>Name</u>	<u>No.</u>	<u>Present location</u>	<u>Plants to which desired to be transported</u>
5 ton electric furnace	1	Our Kobayashi-cho Works, No.222 Kobayashi-cho Taisho-ku, Osaka	Our No.2 Head Works, No.4 Midorigi-cho Sumiyoshi-ku, Osaka
3/4 ton Steam hammer	1	Our No.1 Head Works, No.445, Hamaguchi-cho Sumiyoshi-ku, Osaka.	Our Izuo Works, No.5, 5-chome Izuo-nakadori Taisho-ku, Osaka.
750 ton Hydraulic Press	1	Our Tomo Works, Tomo Numakusa-gun, Hiroshima Prefecture	<i>Our</i> No.1 Head Works, No.445, Hamaguchi-cho, Sumiyoshiku Osaka.

(sheet No.2)

350 ton Eccentric Press	1	Our Tono Works, Our No.1 Head Works, Tono Numakuma-gun, Hiroshima-Prefecture.	No.414, Hamaguchicho Suniyoshi-ku, Osaka
200 ton - do -	4	- do -	- do -
Friction Press	1	- do -	- do -
20" Lathe	1	- do -	- do -
18' "	2	- do -	- do -
8' "	4	- do -	- do -
3' Radial boring machine	1	- do -	- do -
25" Shaping machine	2	- do -	- do -
3' Planing machine	1	- do -	- do -
Vertical milling machine	3	- do -	- do -
30 HP Air compressors	2	- do -	- do -
Spring hammer	1	- do -	- do -
Mixer	1	- do -	- do -
5 ton Crane	1	- do -	- do -
Electric welding machine	2	- do -	- do -
Winch operated by electric	1	- do -	- do -
Winch operated by hand	1	- do -	- do -

4). Reason for requiring transportation:

Being received "Permit for Reconversion from War Production of Essential Civilian Commodities" dated 26 December 1945, (File number MB 342), from Headquarters Sixth Army Military Government Section (a copy annexed), we want to bring these machines and equipments here and to use effectually in connection with the equipments in our works here to manufacture the commodities permitted,

(sheet No.3)

as per stated in "H" column of our "Application for the permission of conversion to the essential consumers commodities."

KOKKO SEISA KOGYO KABUSHIKI KAISHA

*T. Ichihara*

President

1. incl:

1 incl:

A copy of "Permit for Reconversion from War Production of Essential Civilian Commodities" from Headquarters Sixth Army Military Government Section.

HEADQUARTERS SIXTH ARMY  
Military Government Section

APO 442

File: MG 342

Date: 26 December 1945

SUBJECT: Permit for Reconversion from war production and for Resumption of Production of Essential Civilian Commodities.

To : Kokko Seisa Kogyo Kabushiki Kaisha, Head Office,  
No.1 Head Works,  
No.2 Head Works, Kobayashicho Works, Izuo Works,  
No.414 Hamaguchicho Sumiyoshi-ku, Osaka

1. In accordance with the provisions of paragraphs 3 a and 3 b of Directive No. 3 from the Supreme Commander for the Allied Powers, dated 22 September 1945; Memorandum for Imperial Japanese Government, Subject: Reconversion of war production plants to peacetime production, dated 28 October 1945; and under authority granted this Headquarters by CINCAFPAC Radio ZAX 6197 dated 3 October 1945, you are authorized to commence operation of your plant, and to manufacture the essential civilian commodities listed in Annex No. 1 to this permit.

2. This permit grants authority only to operate. The acquisition of materials, parts, and sub-assemblies, as well as the disposition of finished products, and establishment of sales prices, will be in accord with the regulations of the Imperial Japanese Government.

3. At the end of the first month of operation, and at the end of each three-month period thereafter, until notified to the contrary by this Headquarters a report will be made to the Commanding General I Corps, Headquarters Osaka, Attention: Military Government Section. This report will be written in English and will list each item by name, type and quantity produced by each factory, subsidiary, or sub-contractor operating under the provisions of this permit. This report will be delivered to Corps Headquarters not later than fifteen (15) days after the conclusion of the period to which the report pertains.

GEORGE D. SEARS  
Colonel, Infantry  
Military Government Officer

Info Copies To:

GHQ, SCAP (Attn: E & S Sec)  
CG I Corps, (Attn: MG Sec)  
Imperial Japanese Gov't  
(6th Army Jap. Liaison Office, Kyoto)

1 Incl:  
Annex No. 1

HEADQUARTERS SIXTH ARMY  
Military Government Section  
APO 442

26 December 1945

ANNEX NO. 1

Permission is granted to Kokko Seisa Kogyo Kabushiki Kaisha, Head Office, No. 1 Head Works, No. 2 Head Works, Kobayashicho Works, Izuo Works, No. 414 Hamaguchicho Suniyoshi-ku, Osaka to produce the following items listed below:

1. Steel Casting for:
  - a. Ship fittings.
  - b. Motor cars.
  - c. Mine Equipment.
  - d. Railway cars.
  - e. Machine tools.
2. Chains and their fittings.
3. Anchors and anchor gears.
4. Medium and small stamp-forgings.
5. Forged and rolled steel.
6. Hardware such as:
  - a. Spikes.
  - b. Tacks.
  - c. Kinkbolts.
  - d. Bolts.
  - e. Nuts.
7. Railway cars (Freight, and passenger and trolley).
8. Machine tools and parts.

-----  
(Nothing Follows)

D.S. LOCKIE  
Capt., F.D.

DECLASSIFIED E.O. 12958 SECTION 5.102, 103, 104, 105, 106, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200

The Kokko Seise Kogyo Kabushiki Kaisha,  
(The Kokko Chain, Steel Casting and  
Industrial Co., Ltd.)

No.414, Hamaguchi-cho Sumiyoshi-ku,  
Osaka, December 3rd, 1945.

To whom it may concern  
in the U.S. Army.

Re: Special permission to be granted for the  
purchase of our shares now held in the War-time  
Financial Bureau.

Sirs:

We apply for the permission to be granted to our company  
to transfer the entire stock of 29,360 shares of our company  
from the War-time Financial Bureau, which were voluntarily  
bought up and now held by them since last Spring for the control  
of the share-market.

As it is most essential for the future of our company to  
take them back again into our hands, such step as mentioned  
above, we believe it will serve as the means of redistributing  
them among the civilian holders as well as for readjustment  
of the Company's Budget considered from every point of view.

We are, Sirs,

Yours Most Respectfully,

The Kokko Seise Kogyo K. Kaisha, Ltd.

*T. Ishihara*  
.....  
President

The Kokko Seisa Kogyo Kabushiki Kaisha,  
(The Kokko Chain, Steel Casting and  
Industrial Co., Ltd.)

No.414, Hamaguchi-cho Sumiyoshi-ku,  
Osaka, December 3rd, 1945.

To whom it may concern  
in the U. S. Army,

Re: Application for purchasing the Japanese  
Government owned materials, finished and semi-  
finished articles now held in our company.

We hereby apply for the permission of purchasing the entire  
stock of the Japanese Government owned materials, finished and  
semi-finished articles, such as chain cables, shackles, chain-  
fittings, anchors and special steel bars now held under our  
custody as per the enclosure:- The supplement to "The appli-  
cation for the permission of conversion to the civilians'  
essential commodities", dated December 3rd.

It is our intention to utilize the above mentioned materials  
for the civilians' general purposes.

The articles such as eye-bolts of sinkers, rough cast-steel  
fittings for gun holders, rough-shaped tail plugs and rough-  
shaped parts of shells for Rocket Gun will be destroyed or  
crushed into scrap for steel-casting and be re-used if the  
permission as mentioned above be granted to our company for  
the conversion into everyday use of our people at large.

The Kokko Seisa Kogyo K. K.

*T. Ishihara*  
.....  
President

(sheet No.2)

Enclosure:

A copy of the supplement to "The application for the permission of conversion to the civilians' essential commodities", dated December 3rd.





Osaka, Dec. 3rd, 1945.

The supplement to "The application for the permission of conversion to the civilians' essential commodities".

THE KOKKO SEISA KOGYO KABUSHIKI KAISHA

(The Kokko Chain, Steel Casting and Industrial Co., Ltd.)

*T. Ishihara*  
President


 大阪市住吉区清田町四丁目番地  
 國產鑄鋼業株式會社  
 取締役社長  
 石本小鶴吉  


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The Kokko Seiso Kogyo Kabushiki Kaisha,  
(The Kokko Chain, Steel Casting and  
Industrial Co., Ltd.)  
No.414, Kamaguchi-cho Sumiyoshi-ku,

Osaka, December 3rd, 1945.

The supplement to "The application for the  
permission of conversion to the civilians'  
essential commodities", presented on Oct. 31st..

- (1) Stock held in store (as mentioned in Article H in the above-  
mentioned Application) diversified under two classifications  
as the Company's and the Japanese Government owned.

Name of Materials	Total Amount in Stock	Company's	Japanese Govern- ment's owned
Common steel ingot	509 Ton	229 Ton	280 Ton
Common steel bloom	1,485 "	1,459 "	26 "
Common steel bar	949 "	949 "	0 "
Special steel ingot	1,412 "	122 "	1,290 "
Special steel bloom	460 "	239 "	221 "
Steel scrap	2,539 "	2,539 "	0 "
Steel wire	157 "	157 "	0 "

Name of materials	Total amount in stock	Company's	Japanese Government <i>owned</i>
Pig-iron	278 Ton	278 Ton	0 Ton
Ferro-manganese	10,000 Kg	10,000 Kg	0 Kg
Ferro-Silicon	61,270 "	61,270 "	0 "
Coal	735 Ton	735 Ton	0 Ton
Cokes	179 "	179 "	0 "
Carbon electrode	850 Kg	850 Kg	0 Kg
Magnesia	16 Ton	16 Ton	0 Ton
Special Magnesia	697 "	697 "	0 "
Floor spar	91 "	91 "	0 "
Lime stone	157 "	157 "	0 "
Quicklime	6 "	6 "	0 "
Bittern	9,800 Kg	9,800 Kg	0 Kg
Carbide	1,200 "	1,200 "	0 "
Machine oil	3,297 L	3,297 L	0 L
Grease	560 Kg	560 Kg	0 Kg
Silica brick	11 Ton	11 Ton	0 Ton
Fire brick	660 "	660 "	0 "
Non-boracic welding agent	300 Kg	300 Kg	0 Kg

(2) The Japanese Government owned finished and semi-finished articles held in our charge.

Name of articles	Number	weight	Remarks
Chain cable	788	365,315 kg	details of articles and places held <sup>as</sup> mentioned <del>on</del> No. 2 list.
Shackle	900	20,700 "	ditto
Chain fittings	13	5,145 "	ditto
Anchors	214	230,240 "	ditto
Special steel bar		96,232 "	ditto
Eyebolt of sinker	162	21,327 "	ditto
Cast-steel fittings for gun holder.	1,013	18,795 "	ditto
Rough-shaped tail plugs and rough-shaped parts of shells for Rocket Gun.	41,684	261,142 "	ditto
Total		1,018,896 kg.	

(3) We propose the terms for entire settlement as hereunder:

- (a) All of the materials as mentioned under "stock held in store referring to the Japanese Government owned," and out of the entire stock of the finished as well as semi-finished articles owned by the Japanese Government now held under our custody, chain cables, shackles, chain-fittings, anchors and special steel bars, we apply for the immediate disposal of them into our hands for the civilian purposes.

Secondly: The materials such as eye-bolts of sinkers, cast-steel fittings for gun holder, rough-shaped tail plugs, and rough-shaped parts of shells for Rocket Gun, could be destroyed or crushed into scrap. We therefore propose to purchase them all for the purpose of making the civilians' articles in general.

(b) As for the company-owned, we propose to destroy or crush the undermentioned moulds and rollers for rough-shaped tail plugs into scrap for the general use of civilians.

Name	Number	Weight	Seat
Mould of rough shaped Tail Plugs	circa 500	circa Kg 10,000	at Pressplant in Head Works
ditto	circa 27	circa 540	at Machine plant in Head Works
Mould for rough shaped parts of shells for Naval Rocket Gun	2 sets	circa 300	at No.2 Forging plant in Head Works
ditto	3 sets	circa 450	at Machine plant in Head Works
ditto	3 sets	450	at Izuo Works
Steel rollers for Tail Plugs	14 sets	circa 5,600	at Roll plant in Head Works
ditto	2 sets	circa 800	at Machine plant in Head Works
<b>Total</b>		<b>circa 18,140 Kg</b>	

(Finis)

Appended List No. 1

A detailed list of Japanese Government's own  
Materials.

Name of Materials	Quality	Size	Weight	Seat
Common Steel Ingot	SF 44	176 kg	11,500 Kg	at Head Works
"	"	500 "	10,800	"
"	"	3,000 "	12,000	at Izuo Works
"	SF 49	400 Kg	25,200	at Head Works
"	"	600 "	2,400	"
"	"	1,200 "	5,100	"
"	"	1,200 "	166,800	"
"	"	1,500 "	3,000	"
"	"	3,000 "	3,000	at Izuo Works
"	SF 39	5,000 "	40,000	"
Total			279,800	
Common Steel Bloom	SF 54	200m/m Sq.	26,460 Kg	at Izuo Works
Total			26,460	
Special Steel Ingot	SDG 2	50 kg	5,950	at Head Works
"	"	100 "	4,000	"
"	"	400 "	3,600	"
"	"	600 "	40,510	"
"	"	1,000 "	26,000	18 <sup>F</sup> at Head Works 8 at Izuo Works
"	"	1,200 "	154,940	16,510 <sup>at</sup> Head W. 53,340 " 85,090 <sup>at</sup> Izuo W.

Name of Materials	Quality	Size	Weight	Seat
Special Steel Ingot	SDG 1	350 kg	9,450	at Kobayashi cho Works
"	"	400 "	4,400	at Head Works
"	"	600	474,950	209,000 <sup>at</sup> Head Works 159,250 Kobayashi cho W. 106,700 Izuo Works
"	"	1,200 "	2,400	at Head Works
"	Steel for spring Z1	500 "	14,000	at Head Works
"	"	1,000 "	291,000	"
"	"	1,200 "	30,000	"
"	Stainless steel ZB1	350 "	1,050	"
"	Vanadium steel V7	1,200 "	154,800	"
"	Cr.Mn. steel	1,200 "	73,300	"
Total			1,290,250	
Special Steel Bloom	SDG 2	185m/m sq.	80,300	at Head Works
"	SDG 1	"	107,700	"
"	Vanadium steel V7	"	33,071	"
Total			221,071	

Appended List No.2

A detailed list of Japanese Government owned  
Finished and semi-finished articles.

Name of Articles	Size H/m m	QUANTITY		Sent at	Remarks
		No.	Weight Kg		
Chain cables	48 x 25	6	7,200	Head Works	
"	44 x 25	5	6,250	"	
"	36 x 25	50	38,000	"	
"	36 x 23	53	39,008	"	
"	36 x 30	11	10,560	"	
"	36 x 20	82	34,280	"	
"	36 x 16	5	2,560	"	
"	36 x 15	12	5,760	"	
"	30 x 25	85	50,008	"	
"	32 x 25	82	52,929	"	
"	32 x 28	22	15,040	"	
"	32 x 27	29	19,062	"	
"	32 x 15	14	5,300	"	
"	25 x 25	50	20,000	(10 at Head W. (40 at Anase Works in Hyogo Prefecture where only small size handwelded cable made	
"	22 x 25	3	840	at Head Works	
"	20 x 25	45	10,800	"	
"	16 x 25	264	47,520	(45 at Head W. (219 at Anase W.	
Total		788	335,315		



Name of Articles	Size	Quantity		Seat	Remarks			
		No.	Weight					
Anchor Shackle	22 m/m	900	20,700	KG at Head Works				
Total		900	20,700					
Chain fittings	Swivel Piece for 46 m/m chain	2	5,145	at Head Works				
"	ditto 54 m/m	1						
"	ditto 66 m/m	2						
"	ditto 74 m/m	3						
"	Mooring Swivel for 66 m/m chain	1						
"	ditto 58 m/m	1						
"	Senhouse Slip for 64 m/m chain	1						
"	ditto 22 m/m	2						
Total		13				5,145		
Anchor	1 ton	47				47,000	KG at Head Works	
"	0.3 ton	28	9,240	"				
"	2 ton body	24	38,400	at Kobayashi cho W.				
"	2 ton stock	70	28,000	"				
"	4 ton body	5	16,000	"				

Name of Articles	Size	Quantity		Seat	Remarks
		No.	Weight		
Anchor	4 ton stock	11	8,800 <sup>KG at</sup>	Kobayashi cho W.	
"	6 ton body	8	38,400	"	
"	6 ton stock	17	20,400	"	
"	6 ton	4	24,000	"	
Total		214	230,240		
Eye-bolt of Sinker	for 0.5 ton	119	3,332 <sup>KG at</sup>	Head Works	
"	" 6 ton	35	12,600 <sup>at</sup>	17 Kobayashi cho W. 18" Head Works	
"	" 8 ton	3	1,170 <sup>at</sup>	Head Works	
"	" 10 ton	5	4,225 <sup>at</sup>	4 Kobayashi cho W. 1" Head W.	
Total		162	21,327		
Cast-Steel fittings of Gun Holder	Parts of 25 "Tan-imonono"	1,013	18,795 <sup>KG at</sup>	Head Works	
Total		1,013	18,795		
Rough Shaped Tail Plugs <i>and part of Shell for Rocket Gun</i>	"20 Rotsuto S-ra"	1,546	24,736 <sup>at</sup>	Head Works	Semi-finished (stamped)
"	"	337	6,066	"	ditto (sheared)
"	"	3,400	62,900	"	ditto (rolled)
"	"12 Rotsuto S-ra"	4,000	20,000	"	ditto (stamped)
"	"	6,000	33,000	"	ditto (rough stamped)
"	"12 W Sho Soteisen"	950	3,420	"	

Name of Articles	Size	Quantity		Seat	Remarks
		No.	Weight		
Rough Shaped Tail Plugs and parts of shell for Rocket Gun	"15-4 Soteisen"	750	2,625	KG at Head Works	
"	"20 Rosato F-kwan"	525	8,400	"	
"	"12 Rosato S-m"	2,369	11,845	"	
"	ditto "F-kwan"	1,754	8,770	"	
"	"12 H Soteisen"	6,300	17,766	"	
"	"12.7 Soteisen"	12,953	57,454	"	
"	"15.5 Soteisen"	800	4,160	"	
	<b>Total</b>	<b>41,684</b>	<b>261,142</b>		
Special Steel Bar	SDG 1 (150 m/m)		96,232	KG at Head Works	
	<b>Total</b>		<b>96,232</b>		
<b>GRAND TOTAL</b>			<b>1,018,896</b>	<b>K.G.</b>	

October 31st, 1945.

The application for the permission of conversion to the essential consumers commodities.

President: Tsurukichi Iahihara  
Kokko Chain, Steel Casting and Other  
Steel Mfg. Co., Ltd.  
(Kokko Seisa Kogyo Kabushiki Kaisha)  
No. 414 Hamaguchicho Sumiyoshi-ku, Osaka.

取締役社長  
東京住吉區濱口町四丁目番地  
東京製鋼株式会社  
伊藤 小鶴吉  
  


The application for the permission of conversion to the essential consumers commodities.

Name: Kokko Chain, Steel Casting and Other Steel Mfg. Co., Ltd.  
(Kokko Seisa Kogyo Kabushiki Kaisha.)

2. Capital:

Nominal Capital, 23,000,000 Yen *Par 55*

Capital paid-up, 18,000,000 Yen

3. Ownership:

No capitalistic ~~share~~. *control*

Principal shareholders as follows:

(Oct. 10th, 1945)

(Numbers of shareholders: 1496)

Name	Address	The number of shares	The percentage	The business affiliation
Senji Kinyu-Kinko	1st. street Yurakucho Kojimachi-ku Tokyo	29,360	6.38%	no relation entirely (cf. Note)
Kuwamasa Co.	Ichiriyama Kobeko-chiho Ikuta-ku Kobe	23,000	5.00%	a customer and the president of the firm is one of our directors.
Tamezo Hasegawa	Karato Arima-mura Arima-gun Hyogo Prefecture	17,500	3.80%	One of our Advisers (the ex-president)

3

(cont.)

Name	Address	The number of shares	The percentage	The business affiliation
Tsurukichi Ishihara	No.127 3rd cho Asahi- gaoka-ebisu st. Sakai- City	12,591	2.74%	The president
Keijiro Kimura	No.242 Sumiyoshi- cho Sumi- Yoshi-ku Osaka	11,550	2.51%	one of our directors
Keizo Honda	No.56 Nishi- hirano Mikage-cho Muko-gun Hyogo Prefecture	10,850	2.36%	one of our directors

Note: Senji-Kinyu-Kinko, which has no connection nor relation with our company, has bought our shares voluntarily since this spring to control the share-market.

4. Relation to the government:

No relation.

5. Date of foundation:

A). Date of foundation of the company.

May 26th, 1934.(succeeded to the business of Ishihara Chain Works which had been established in 1915.)

B). Date of foundation of the works.

No.1 Head Works: April, 1935.

4.

(Former Head Works had taken over the works and arrangements of Ishihara Chain Works which was situated at Hanyei-cho, Minato-ku, Osaka on May 1934, and disused on removing to the present Head Works.)

No.2 ~~Head~~ Works: August, 1944.

Kobayashicho Works: September, 1943. (having bought and amalgamated Muto Electric Steel Casting Co., which had been established in July, 1936.)

Izuo Works: April, 1944. (having bought up Ando Iron Works which had established Feb., 1918.)

6. Location:

Head Office: No.414 Hamaguchicho Sumiyoshi-ku, Osaka.

No.1 Head Works: No.445 Hamaguchicho Sumiyoshi-ku, Osaka.

No.2 Head Works: No.4 Midorigicho, Sumiyoshi-ku, Osaka.

Kobayashicho Works: No.222 Kobayashicho, Taisho-ku, Osaka.

Izuo Works: No.5 5th-chome Izuo-Nakadori, Taisho-ku, Osaka.

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7. General description of machinery and plant:

A). The ground and building area.

*No damage*

Name of Plant	Ground Plot Tsubo(sq.m.)	Building area Tsubo(sq.m.)	
The Head Office	4,516 (14,950)	1,850 (6,126)	
No.1 <del>Head</del> Works	15,388 (51,000)	4,143 (13,700)	<i>32 Bldg 38% die 18% Hel</i>
No.2 Head Works	41,564 (137,500)	2,545 (8,430)	<i>6 Bldg 15% die 40% Hel</i>
Kobayashi cho Works	3,155 (10,430)	1,768 (5,855)	
Izuo Works	572 (1,892)	242 (801)	<i>5 Bldg</i>
Total	65,195 (215,872)	10,549 (34,912)	<i>Worky Wood Bldg</i>



B) Transportation and Communication.

Name of Plant	Means of Traffic	Nearest station	Remarks
No.1 Head Works	Canal or railway	Umeda, Tengachyaya Tennoji Minatomachi	No railway siding
No.2 Head Works	"	"	"
Kobayashicho Works	"	Umeda, Minatomachi	"
Izuo Works	Railway	Minatomachi	"

Cf. Fig.No.1 (Works and neighbourhood).

C). Source of power

Name of Works	Electric power		Steam power		No. sets
	Kind	Capacity K.W.	Kind	Data	
No.1 Head Works	Supplied	4,850	Lancashire	D.1,935m L.7,315m	1
			Cornish	D.1,524m L.7,355m	1
No.2 Head Works	"	3,000			
Izuo Works	"	Motor 10 HP 1 set 5 " 2 " 3 " 3 "	Lancashire	D.1,960m L.5,600m	1
			Cornish	D.1,438m L.5,900m	1
Kobayashi cho Works	"	4,650			

D). Outlines of works and arrangements

a. Outlines of works:

- (i) Steel casting plant. (Anchors, Various steel casting, casting of ingots).
- (ii) Rolling plant. (Rolling of original steel bars and special shaped rough materials for patent "Kokko" Chains and stamp forgings).
- (iii) Forging plant. (Steel bars, attachments of anchor gears, chain cables, various stamp forgings, and rough billets or blooms for rolling purpose).
- (iv) Pressing plant. (For pressing the links of "Kokko" chain and the various rough stamp-forged articles.)
- (v) Chain and cable making plant. (Hand welded chains, patent "Kokko" chains and patent "New Kokko" chains.)
- (vi) Manufacture of machine. (Manufacture of general machines and cutting for piece-works.)

b. General description of arrangements:

- (i) Details of machinery in each works are as following tables.

Name of Works	Number of Fig. annexed
No.1 Head Works	Fig.No.2 (general arrangement) Fig.No.3(details of machine shop)
No.2 Head Works	Fig.No.4
Kobayashicho Works	Fig.No.5
Izuo Works	Fig.No.6

(ii) Details of machinery in each department of works are as follows:

Classification	Name of works	Main arrangements		Remarks
		Name	Number	
Steel Casting	No.1 Head W.	3 ton Electric furnace	1 set	
	"	1½ ton "	1	
	"	1 ton "	1	
	No.2 Head W.	5 ton "	1	<i>dispersed</i> <del>Carrying out</del> for dispersion
	Kobayashi cho W.	3 ton "	1	
	"	2 ton "	1	
Rolling	No.1 Head W.	Rolling machine 750 HP	1	
Forging	No.1 Head W.	2 ton Air hammer	1	
	"	¼ ton " "	1	
	"	¼ ton Steam hammer	1	
	"	½ ton " "	1	
	"	1½ ton " "	1	
	"	1 ton " "	1	

9.  
(cont.)

Classifi- cation	Name of works	Main arrangements		Remarks
		Name	Number	
Forging	Izuo W.	2 ton Steam hammer	1	
	"	1 1/2 " " "	1	
	"	3 " " "	1	<i>dispersed</i> <del>Carrying out</del> <del>for dispersion</del>
	No.1 Head W.	750 ton Hydraulic Press	1	In Tomo Works (for dispersion)
Stamping (for chains etc.)	No.1 Head W.	3,500 ton Eccentric Press	1	Repairing
	"	2,000 ton " "	1	
	"	1,500 ton " "	1	Overhauling for dispersion
	"	1,000 ton " "	2	1 set Overhauling <del>for dispersion</del>
	"	800 ton " "	1	
	"	600 ton " "	1	
	"	500 ton " "	2	
	"	400 ton " "	1	Overhauling for <del>dispersion</del>
	"	350 ton " "	1	in Tomo Works ( <del>for dispersion</del> )
	"	300 ton " "	1	
	"	200 ton " "	5	4 sets in Tomo Works ( <del>for dis- persion</del> )
	"	50 ton " "	1	
	"		Friction Press	1
Mfr. Chain cable	No.1 Head W.	Board hammer	6	<del>Carrying out for dispersion</del> <i>dispersed</i>
	No.1 Head W.	Eccentric press	2	
	"	Electric welding m.	80	14 sets repairing
	"	200 ton Eccentric press (stamping machine for welding part)	1	
		150 ton ditto	1	

(cont.)

Classifi- cation	Name of Works	Main arrangements		Remarks
		Name	Number	
Mfg. Chain cable (cont.)	No.2 Head W.	75 ton Shearing machine	3	3 sets suffered by air raid
	"	40 ton Bending & pressing machine	10	5 sets suffered by air raid
	"	12 ton "U" bending machine	10	10 sets suffered by air raid
	"	200 ton press	10	6 sets suffered by air raid
	"	200 kw Flush-butt welding machine	11	8 sets suffered by air raid
	"	400 kw " "	4	2 sets suffered by air raid
Mfg. & repairing machines	No.1 Head W.	20' Lathe	1	in Tomo Works ( <del>for dispersion</del> )
	"	18' "	1	
	"	12' "	9	<i>disposed</i> 1 set <del>carrying out</del> <del>for dispersion</del> 1 set carrying in Tomo Works ( <del>for dispersion</del> )
	"	10' "	2	
	"	8' "	9	<i>disposed</i> 4 sets <del>carrying</del> <del>out for dispersion</del>
	"	6' "	6	1 set repairing
	"	4' "	3	
	"	Lathe (for roll)	1	
	"	5' Radial boring m.	1	
	"	3' " " "	1	in Tomo Works ( <del>for dispersion</del> )
	"	24" Drilling m.	1	
	"	20" " "	1	
	"	26" Shaping m.	6	2 sets in Tomo Works ( <del>for dispersion</del> )
	"	24" " "	3	

*changed*

(cont.)

Classifi- cation	Name of Works	Main arrangements		Remarks	
		Name	Number		
Mfg. & repairing machine (cont.)	Milling No. 1 Head W.	Milling machine	1		
	"	Sawing machine	1		
	"	5' Turning machine	1		
	"	12' Planing m.	3		
	"	8' " "	3	<i>disposed</i> 1 set <del>carrying out</del> <u>for dispersion</u>	
	"	6' " "	1		
	"	5' " "	1		
	"	Vertical milling m.	3	<i>disposed</i> 3 sets <del>carrying</del> <del>out for disper-</del> <del>sion</del>	
	"	12" Vertical shaping machine	1		
	"	Drilling machine	1		
	"	Kobayashi cho W.	12' Face lathe	1	
	"	"	16' Lathe	2	
	"	"	13' "	1	
	"	"	12' "	2	
	"	"	8' "	3	
"	"	Radial drilling m.	1		
"	"	20' Planing m.	1		
"	"	12' " "	1		
"	"	10' " "	1		
"	"	Shaping machine	1		
"	"	Drilling machine	2		
"	Izuo W.	16' Lathe	1		
"	"	10' "	1		
"	"	24" Drilling m.	1		

(Cont.)

Classifi- cation	Name of Works	Main arrangements		Remarks
		Name	Number	
Testing	No.1 Head W.	250 ton Chain testing machine	1	Suffered by air raid <i>damaged</i>
	"	100 ton " "	1	
	"	50 ton Amster testing machine	1	Suffered by air raid <i>damaged</i>
	"	10 ton " "	1	" "
	"	Charpie impact testing machine	1	" "
	"	Izot " "	1	" "
	"	"Shore" and "Brinell" Hardness Tester "Leiz" metalloscope	9 2	4 Suffered by air raid <i>damaged</i>
	"	X-ray apparatus	1	
	"	Analysis apparatus all sets		
		No.2 Head W.	100 ton Chain testing machine	1
	Kobayashi- cho W.	50 ton Amster testing machine	1	
The others	No.1 Head W.	80 ton Hydraulic press	1	
	"	12' lathe	1	suffered by air raid <i>damaged</i>
	No.2 Head W.	Circle sawing m.	2	
	"	Belt sawing m.	3	2 sets suffer- ed by air raid
	No.1 Head W.	Pattern lathe	2	suffered by air raid <i>damaged</i>
	Kobayashi cho W.	" "	1	

B). The state of the War stricken and its recovery.

a. No. 2 Head Works:

A northern half part (about 3,972 sq. m.) of electric welding chain shop was suffered from a fire on 14th March 1945, containing eccentric press, electric flush-butt welding machines, 38 sets of machines and other equipments, and then all of them are still unrecovered.

General description of damaged buildings and machines can be seen in dotted line and "f" mark on Fig. No. 4, being attached following.

b. No. 1 Head Works:

No. 1 Head Works was suffered from fire twice on 1st June and 10th July, 1945.

General description of war stricken works, degree of their damage, war stricken area and their recovery are shown in the following tables.

(damaged buildings and machines are indicated in dotted line and "f" mark on Fig. No. 2 being attached following.)

Damaged Works	Degree of damage	Burnt Building sq.m.	State of recovery
#1 steel casting shop	Part	251	completion
#2 " " "	Half	701	in plan (temporarily repaired)
#2 forging shop	"	258	" " ( " " )
Pattern shop	Whole	291	in plan



(cont.)

Damaged works	Degree of damage	Burnt building sq.m.	State of recovery
Heat treatment shop	whole	662	in plan
Annealing shop	whole	258	in plan
Chain Mfg. shop (Hand welding)	"	248	<i>Bldg will not be repaired</i> <del>unrecovered</del> , removing to a <del>remained</del> building <i>another</i>
#1 chain testing shop	"	393	<i>Bldg will not be repaired</i> <del>unrecovery</del>
Material testing & analyzing room	"	185	<del>unrecovered</del> , using <sup>the</sup> remaining building
Electrode shop	"	191	<i>will not be repaired</i> <del>unrecovery</del>
Motor repairing shop	"	331	unrecovered, using of remaining building
Chipping shop	"	496	<i>will not be repaired</i> <del>unrecovery</del>
Store-house,	"	3,713	preparing for new store-house about 662 sq.m., and new Head Office about 1,655 sq.m. (temporary office about 231 sq.m. built.)
Total damaged buildings 7,978 sq.m.			
( 38 % per all building plot)			✓

F). Condition of works for dispersion:

Main equipments of Head Works (about 35 % of productive capacity) were <sup>planned for</sup> dispersing to Tomo Works, but owing to the "Post-War", the dispersion was stopped on 15th August, 1945.

Equipments of dispersion (on plan):

Steel-castings:	5 ton Electric furnace	1 set
Forging:	2 ton Steam hammer	1 "
	1 1/2 " " "	1 "
	1 " " "	1 "

1/2 ton Steam hammer	1 set
750 ton Hydraulic press	1 set
1,500 ton eccentric press	1 set
1,000 " " "	1 set
500 " " "	2 set
Small type " "	5 set
Friction press	1 set
Machine tool, attached equipments etc.	

The proceeding percentage of dispersion plan is as follows;

*decided to disperse 35% of equipment = 100%*  
 at Osaka (~~the side of carrying-out~~) *about 71%*  
 at Tomo (~~the side of carrying-into~~) *dispersed to Tomo* " 50 %

The overhauled equipments for carrying out remained complicated in No. 1 Head Works.

They are indicated in the column of remarks on the detail of equipment ( D). b. General description of arrangements), and Fig. No. 2 (No.1 Head Works), Fig. No. 5 (Kobayashicho Works) by a mark of "X".

G). The condition of works <sup>and</sup> arrangements:

Buildings of No.1 Head Works were gradually increased, hence the arrangements of the shops are in confusion

There are many overhauled machines which were suffered from fire or being carried out for dispersion.

There is excess space in No.2 ~~Head~~ Works. The electric chain welding shop met with ~~the~~ disaster *about 1/2* but the steel casting shop remained *undamaged* ~~unsettled for dispersion~~

16.

H). Stock in store

The Name of materials	Quantity of all stock	For navel use only (for rough stamp-forgings for a part of arms)	For mercantile marine use (including mooring)	For General consumer
Common steel ingot	509 ton	280 ton	0 ton	229 ton
Common steel bloom	1,485 "	26 "	1,196 "	263 "
Common steel bar	949 "	4 "	739 "	206 "
Special steel ingot	1,412 "	1,412 "	0 "	0 "
Special steel bloom	<sup>460</sup> <del>2,478</del> "	<sup>273</sup> <del>1,945</del> "	<sup>0</sup> <del>1,015</del> "	<sup>177</sup> <del>17</del> "
Steel scrap	2,539	1,015	1,015	509
Steel Wire	157 ton	0 "	157 "	0 "
Pig-iron	278 "	0 "	0 "	278 "
Ferro-manganese	10,000 kg	4,000 kg	4,000 kg	2,000 kg
Ferro-silicon	61,270 "	28,000 "	28,000 "	5,270 "
Coal	735 ton	350 ton	350 ton	35 ton
Cokes	179 "	55 "	120 "	4 "
Carbon electrode	850 kg	340 kg	340 kg	170 kg
Magnesia	16 ton	6 ton	6 ton	4 ton
Special magnesia	697 ton	279 "	279 "	139 "
Fluor-spar	91 "	36 "	36 "	19 "
Lima stone	157 "	63 "	63 "	31 "
Quicklime	6 "	2 "	2 "	2 "
Bittern	9,800 kg	3,920 kg	3,920 kg	1,960 kg
Carbide	1,200 "	456 "	720 "	24 "
Machine oil	3,297 l	1,253 l	1,978 l	66 l
Grease	560 kg	213 kg	336 kg	11 kg
Silica brick	11 ton	4 ton	7 ton	0 ton
Fire brick	660 "	251 "	396 "	13 "
No boracic welding agent	300 kg	15 kg	285 kg	0 kg

*Some of this belongs to Japanese Government -  
List will be made up*

*material furnished by Lockheed been added part for*

*given for the description above*

Note:

1. Chains are made by a mass production system, it is difficult in fact to make a distinction between the materials or mercantile marine use from moorings.
2. Some items of stock in store below the column of "Steel scrap" which have been supplied en bloc from productive regrelation corporation are shown being advided proportionally with the amount of production by departments.

8. Number of employee: (Aug. 15th, 1945)

Staffs	316	} War 2,550 Now 230 Future 1,400
Workmen	1,339	
Total	1,655	

9. Production before the war:

Product year	Chains & fittings	Anchors	Steel castings	Special & carbon steel	Stamp-forgings (stamp-forged part of arms:les for naval use)	Total
1934 (May foundation)	abt. 150 T	abt.	abt.	abt.	abt.	abt. 150 T
1935	" 550	-	-	" 300 T	" 8 T	" 858
1936	" 600	-	-	" 330	" 10	" 940
1937	" 1,100	" 80 T	" 100 T	" 670	" 60	" 2,010
1938	" 3,100	" 400	" 570	" 6,000	" 240	" 10,310
1939	" 3,700	" 400	" 570	" 5,600	" 180	" 10,450
1940	" 4,400	" 600	" 750	" 2,750	" 100	" 8,600

(cont.)

Product Year	Chains & fittings	Anchors	Steel castings	Special & carbon steel	Stamp- forgings (stamp- forged parts of articles for naval use)	Total
1941	abt. 4,600 T	abt. 1,000 T	abt. 800 T	abt. 2,149 T	abt. 270 T	abt. 8,810 T

Note: Above-mentioned figures are estimated, because various books were consumed by air raids.

10. Production during the war.

Product Year	Chains & fittings	Anchors	Steel castings	Special & carbon steel	Stamp- forgings (stamp- forged parts of articles for naval use)	Total
1942	abt. 5,000 T	abt. 750 T	abt. 800 T	abt. 1,670 T	abt. 600 T	abt. 8,820 T
1943	"6,000	"1,000	"1,000	"1,670	"1,000	"10,670
1944	6,872	1,288	804	3,653	1,407	14,024
1945 up to Aug. 15th	2,950	959	206	1,754	1,588	7,457

*Some target given to them*

Note. The amounts of production before 1943 are estimated on account of the consumption of various books stricken by air raid.

Note 1.

"Stamp-forgings (stamp-forged parts of arms for naval use)" shown on the lists of production before the war and also during the war are

- a) Rough shaped (rough stamped only) Tail Plugs ("Tei-Ra" in Japanese), single and double, of shells for Naval gun (of various types of 8, 10, 12, 12.7 and 20 centimeters and other sizes).
- b) Rough shaped (rough stamped only) parts of shells for Naval Rocket Gun (of various types of 12 and 20 centimeters).

Note 2.

"Steel castings" shown on the lists of production before the war and also during the war included the cast-steel fittings (casted only) of gun holder and the amount of these are as follows;

Before the war.....	None
During the war,	
1942	about 10 K.T.
1943	" 15 "
1944	" 20 "
1945	" 20 "

Note 3.

"Special and carbon steel" shown on the lists of production before the war and also during the war included the specially made steel "SDG", known as "Steel for shell", and the amount of these are as follows;

Before the war.....	None
During the war,	
1942	about 500 K.T.
1943	" 670 "
1944	" 2,200 "
1945	" 1,230 "

*Some caught given to them*

on  
air

11. Future plan of production:

A. General description of the plan:

Our managing policy which is consistent from the foundation of the company, that is:

- a. The mass production of the chains and their fittings for the mercantile marine, mooring, etc., and rough stamp-forged parts of various articles.
- b. Steel-castings such as anchors and various equipments of ships, railway etc.
- c. To endeavour to carry out the through-out production of the rough stamp-forged articles from the process of manufacturing steel by electric furnaces.

Following this policy and on the other hand utilizing both the features of arrangements (explained in detail in the following clause B) which have been increased and organized in order to meet the policy and long experience, we want to continue producing our usual products now on, all of which are luckily in great and urgent demand in civilian market.

B. The features of arrangements in our company.

a. The features in manufacturing chains:-

Patent "Kokko" stud-link chains are manufactured by the mass production system which is mechanically organized series of processes by of rolling, stamping and connecting by electric arc welding.

Patent "New Kokko" stud-link chains (made by a flush-butt electric welding) are manufactured by a through-out production method in which raw-materials

20.

are conveyed successively to the next process being worked partly until they are pushed out as a completely finished chain in the last process.

- b. The features in manufacturing anchors and other steel-castings:

We adopt an efficient method of producing various sized steel-castings in different works which is equipped with a furnace of 8 ton, 5 ton, 3 ton,  $1\frac{1}{2}$  ton and 1 ton one by one and with peculiar arrangements.

- c. The features in making stamp-forged parts of various kinds of articles:-

In making chains and anchors, as above mentioned, we have given special consideration to the efficiency of arrangements; and on the other hand, it is one of the excellent features in our company that the arrangements useful for making patent "Kokko Chains" do also much toward the mass production of rough stamp-forged parts (medium and small size) of such articles as bicycles, motor-cars, railway etc., when they are organically managed and well combined with the arrangements of electric furnaces and hammers.



21.

C. Products:

Steel-castings:

for fittings of ships, railway, mine, motor-cars and various machines.

Chaine and their fittings:

for ships, moorings, mine and railway equipments, and others.

Anchors and Anchor-gears:

for ships and moorings, and others.

Forgings, various kinds of stamp-forged articles and their patterns. (medium or small size):

for fittings of bicycles, motor-cars, railways etc.

Forged steel and rolled bars:

of special steel and common steel.

Hard-wares: spike, tack, kinkbolt, bolt, nut etc.

for railway, ship, construction works etc.

Making and repairing of railway-cars (freight cars, passenger cars and trolley-cars.)

Machine-making and piece working.

D. The quantity of products and times expected to be manufactured.

Times Name of products	The quantity of products (monthly)		
	When received permission	From Feb. 1946	From April, 1946
Chains & their fittings	200 Ton	450 Ton	550 Ton
Anchors & anchor gears	70 "	70 "	120 "
Steel-castings (for railway, mine, etc.)	100 "	100 "	200 "
Forgings (inclusive of steel bars)	250 "	270 "	340 "
Various kinds of stamp-forged articles	65 "	95 "	150 "
Machine-making & piece working	10 "	20 "	30 "
Total	695 Ton	1,008 Ton	1,390 Ton

Note: The three steps of the quantity of products are caused by the fact that the machinery arrangements which were carried out or overhauled for dispersion must be set up one after another and also the machines suffered by air raid must be repaired.

23.

B. The necessary materials:

Name of materials	Quantity required for a month		
	The time of beginning producing	From Feb. 1946	From April 1946
Common steel ingot	209 Ton	308 Ton	255 Ton
Common steel bloom	280 Ton	450 Ton	660 Ton
Common steel bar	28 Ton	180 Ton	178 Ton
Special steel ingot & bloom	270 Ton	270 Ton	370 Ton
Steel wire	15 Ton	24 Ton	32 Ton
Pig iron	10 "	20 "	30 "
Steel scrap	414 "	414 "	802 "
Ferro-manganese	2,680 kg	2,680 kg	5,200 kg
Ferro-silicon	884 "	884 "	1,716 "
Coal	933 Ton	1,293 Ton	1,769 Ton
Cokes	70 "	333 "	372 "
Carbon electrode	5,092 kg	5,092 kg	9,880 kg
Magnesia	28 Ton	28 Ton	54 Ton
Special magnesia	83 "	83 "	162 "
Fluor-spar	5 "	5 "	9 "
Lime stone	35 "	35 "	68 "
Quicklime	9 "	9 "	18 "
Bittern	322 kg	322 kg	624 kg
Carbide	7,500 kg	9,890 kg	15,179 kg
Oxygen	5,460 cub.m.	7,280 cub.m.	9,100 cub.m.

24

(cont.)

Name of materials	Quantity required for a month		
	The time of beginning producing	From Feb. 1946	From Apr. 1946
Machine oil	1,609 l	2,535 l	3,498 l
Grease	274 kg	445 kg	615 kg
Silica brick	19 ton	19 ton	26 ton
Fire brick	97 "	130 "	143 "
No boracic welding agent	30 kg	390 kg	390 kg

## F. Desirable terms:

1. We wish you would permit the appliance to produce civilian articles, as we want to begin producing instantly with an above mentioned plan.
2. Materials required for the present can be generally provided with stock in store, as mentioned in the following table, and so we wish you would permit to use the materials which were supplied for naval use and also to get the materials which were provided by the navy to work out.
3. We wish you would permit to dispose of the finished articles for civilian use which have been made to be used by the Navy and also to use the unfinished articles for the civilian use which

*chain and  
anchors  
scraps be-  
longing to  
you.*

25.

have been manufacturing for the same purpose.

Excess or deficiency of stock in store monthly

("+" shown excess and "-" deficiency. Material in deficiency must be supplied)

The name of materials	stock in store	quantity required monthly when beginning to produce	stock after a month from beginning	stock after 2 months
Common steel ingot	509 Ton	} 517 Ton	} + 2,426 Ton	} + 1,909
Common steel bloom	1,485 "			
Common steel bar	949 "			
Special steel ingot	1,412 "	} 270 "	} + 1,602 "	} + 1,332
Special steel bloom	460 "			
Steel wire	157 "	15 "	+ 142 "	+ 137
Pig-iron	276 "	10 "	+ 268 "	+ 258
Steel scrap	2,539 "	414 "	+ 2,125 "	+ 1,711
Ferro-manganese	10,000 kg	2,680 kg	+ 7,320 kg	+ 4,640
Ferro-silicon	61,270 "	884 "	+ 60,386 "	+ 59,502
Coal	735 Ton	933 Ton	- 198 Ton	- 1,131
Cokes	179 "	70 "	+ 109 "	+ 89
Carbon electrode	860 kg	6,092 kg	- 4,242 kg	- 8,334
Magnesia	16 Ton	28 Ton	- 12 Ton	- 40
Special magnesia	697 "	83 "	+ 614 "	+ 531
Fluor-spar	91 "	5 "	+ 86 "	+ 81
Lime stone	157 "	35 "	+ 122 "	+ 87
Quicklime	6 "	9 "	- 3 "	- 12
Bittern	9,800 kg	322 kg	+ 9,478 kg	+ 9,156
Carbide	1,200 "	7,500 "	- 6,300 "	- 13,800

ay must be supplied)

	stock after 2 months	stock after 3 months	stock after 4 months	stock after 5 months	stock after 6 months
n	+ 1,809 Ton	+ 1,392 Ton	+ 454 Ton	- 484 Ton	- 1,422 Ton
	+ 1,332 "	+ 1,062 "	+ 792 "	+ 522 "	+ 252 "
	+ 127 "	+ 112 "	+ 88 "	+ 64 "	+ 32 "
	+ 258 "	+ 248 "	+ 228 "	+ 208 "	+ 178 "
	+ 1,711 "	+ 1,297 "	+ 883 "	+ 469 "	+ 55 "
	+ 4,540 kg	+ 1,960 kg	- 720 kg	- 3,400 kg	- 6,080 kg
	+ 59,502 "	+ 58,618 "	+ 57,734 "	+ 56,850 "	+ 55,976 "
on	- 1,131 Ton	- 2,064 Ton	- 3,317 Ton	- 4,610 Ton	- 5,903 Ton
	+ 39 "	- 31 "	- 364 "	- 697 "	- 1,030 "
	- 8,334 kg	- 14,426 kg	- 19,518 kg	- 24,610 kg	- 34,490 kg
on	- 40 Ton	- 68 Ton	- 96 Ton	- 124 Ton	- 152 Ton
	+ 831 "	+ 448 "	+ 365 "	+ 232 "	+ 199 Ton
	+ 81 "	+ 76 "	+ 71 "	+ 66 "	+ 61 "
	+ 87 "	+ 52 "	+ 17 "	- 18 "	- 53 "
	- 12 "	- 21 "	- 30 "	- 39 "	- 48 "
	+ 9,156 kg	+ 8,834 kg	+ 8,512 kg	+ 8,190 kg	+ 7,868 kg
	- 13,800 "	- 21,300 "	- 31,190 "	- 41,600 "	- 51,690 "

27.

(Cont.)

The name of materials	stock in store	Quantity required monthly when beginning to produce	Stock after a month from beginning	Stock after 2 months
Machine oil	3,297 l	1,690 l	+ 1,688 l	+ 79 l
Grease	560 kg	274 kg	+ 286 kg	- 12 kg
Silica brick	11 Ton	19 Ton	- 8 Ton	- 27 Ton
Tire brick	660 "	97 "	+ 563 "	+ 466 "
No boracic welding agent	300 kg	30 kg	+ 270 kg	+ 240 kg

Quantity required monthly shown in this column is for the first 3 months at the time of beginning to produce, and for the following months it increase month by month (cf. 11-B "The necessary materials")



	Stock after 2 months	Stock after 3 months	Stock after 4 months	Stock after 5 months	Stock after 6 months
l	+ 79 l	- 1,530 l	- 4,065 l	- 6,600 l	- 9,135 l
kg	- 12 kg	- 286 kg	- 731 kg	- 1,376 kg	- 1,821 kg
Ton	- 37 Ton	- 46 Ton	- 65 Ton	- 84 Ton	- 103 Ton
"	+ 466 "	+ 369 "	+ 272 "	+ 142 "	+ 12 "
kg	+ 240 kg	+ 210 kg	- 180 kg	- 470 kg	- 860 kg

28.

Index of enclosed Figures:-

- Fig. No.1. Works and neighbour<sup>gh</sup>hood.
- Fig. No.2. Detail of No.1 Head Works.
- Fig. No.3. Detail of Machine shop.
- Fig. No.4. Detail of No.2 Head Works.
- Fig. No.5. Detail of Kobayashicho Works.
- Fig. No.6. Detail of Izuo Works.

第一圖

Fig No.1

# 國光製鎖鋼業株式會社

## 本社及各工場位置圖

泉尾分工場  
IZUO WORKS

小林町分工場  
KOBAYASHICHO WORKS

SHIRINASHI RIVER

今宮駅  
IMAMIYA STATION

天下茶屋駅  
TENGACHAYA STATION

本線  
RAILWAY

# KOKKO. SEISAKŌGYO. K.K.

No. I HEADWORKS:-	BUILDING PLOT	51.000/m <sup>2</sup>
"	AREA	13.700/m <sup>2</sup>
No. II	BUILDING PLOT	137.600/m <sup>2</sup>
"	AREA	8.430/m <sup>2</sup>
KOBAYASHICHO WORKS:-	BUILDING PLOT	10.630/m <sup>2</sup>
"	AREA	5.855/m <sup>2</sup>
IZUO WORKS:-	BUILDING PLOT	1.892/m <sup>2</sup>
"	AREA	801/m <sup>2</sup>
HEAD OFFICE:-	BUILDING PLOT	14.950/m <sup>2</sup>
"	AREA	6.126/m <sup>2</sup>

第一圖  
Fig No. 1

國光製鎖鋼業株式會社  
本社及分工場位置圖

泉尾分工場  
IZUO WORKS

小林町分工場  
KOBAYASHICHO WORKS

SHIRINASHI RIVER

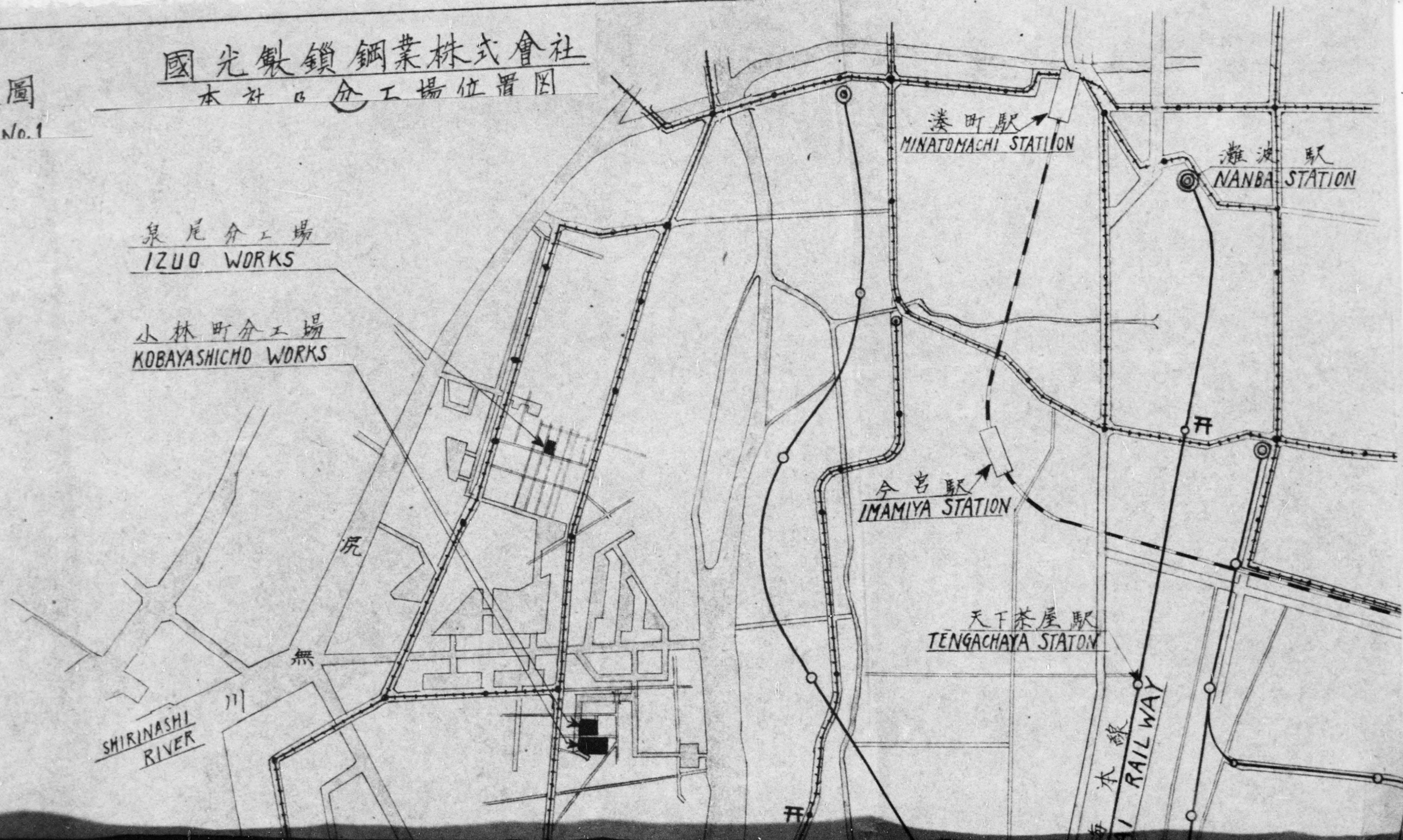
湊町駅  
MINATOMACHI STATION

難波駅  
NANBA STATION

今宮駅  
IMAMIYA STATION

天下茶屋駅  
TENGACHAYA STATION

東本線  
RAILWAY



SHIRINASHI RIVER

川

KIZU RIVER

川

津

水

KOYA LINE  
高野線

NANKAI RAILWAY  
南海本線

HANKAI LINE  
阪堺線

住吉公園駅  
SUMIYOSHI KOEN STATION

本社第二工場  
NO.2 HEADWORKS

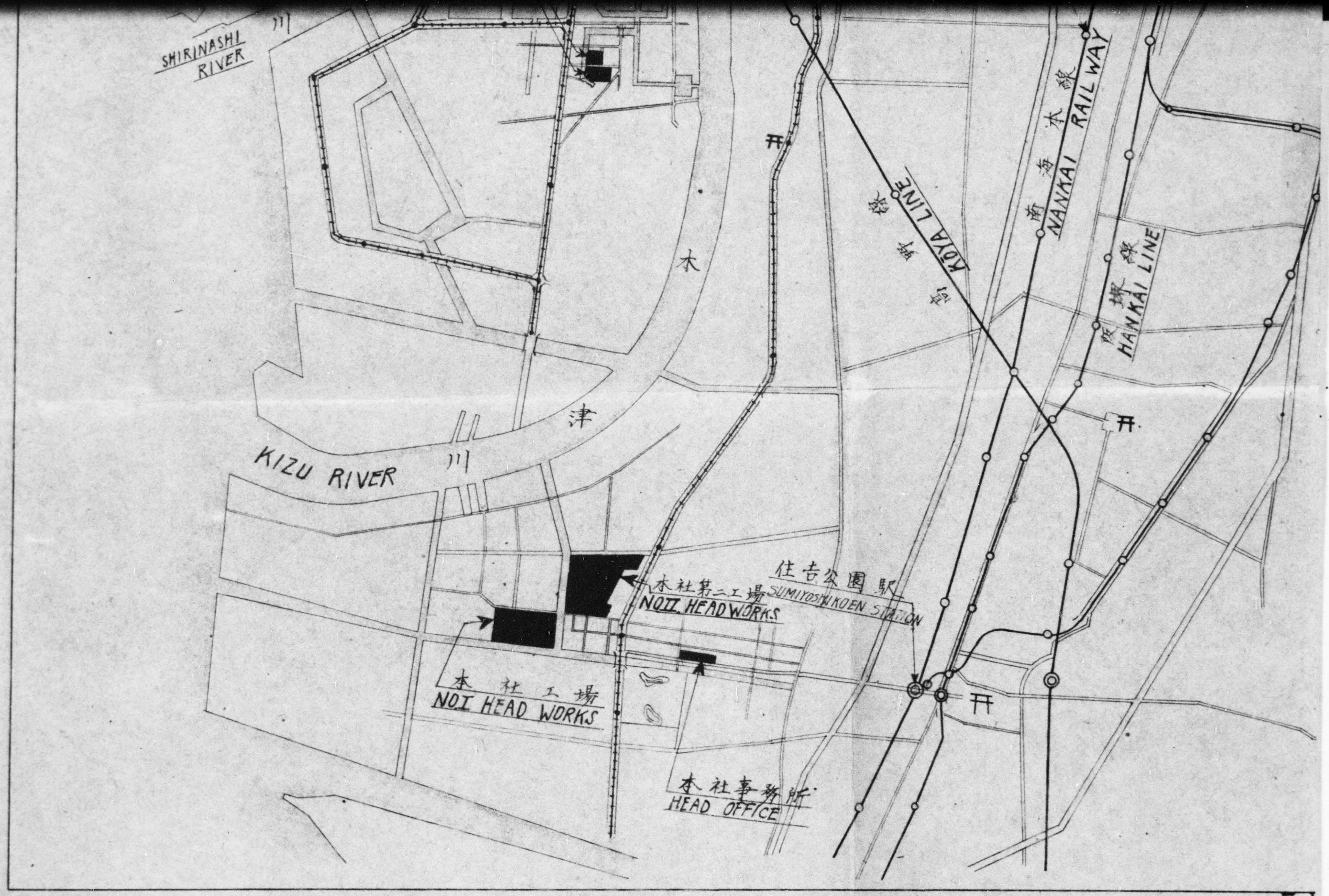
本社工場  
NO.1 HEADWORKS

本社事務所  
HEAD OFFICE

井

井

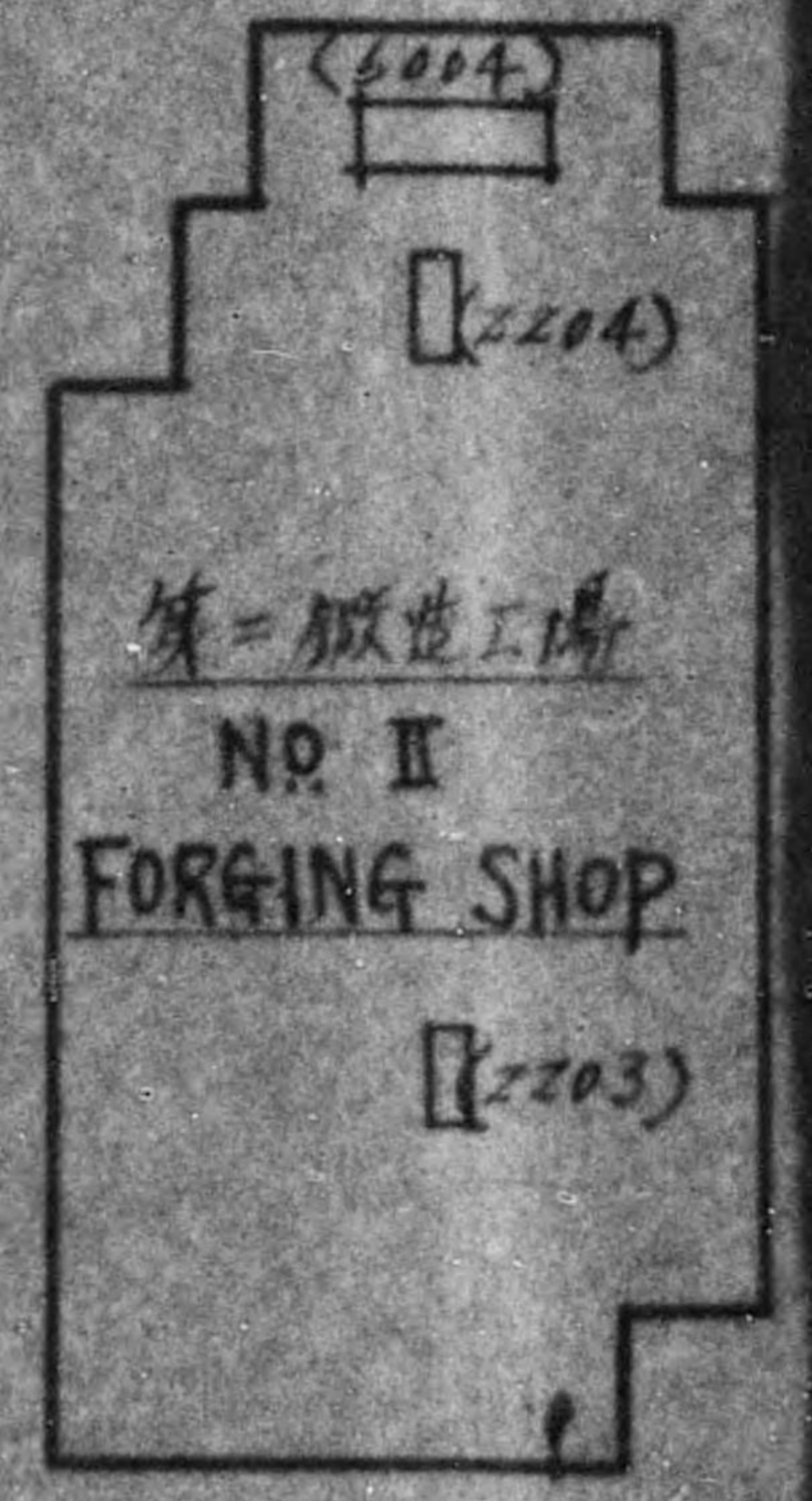
井



第二圖

Fig. NO. 2

Mark	Name	NO.	Remarks
3101	3tons Electric furnace	1 <sup>set</sup>	
3102	1" "	1"	
3103	1.5" "	1"	
2506. 2507	40H.P. Air compressor	2"	
2502. 2503 2508	50" "	3"	2502. 2503 War disaster
2201	2tons Air hammer	1"	
2202	1/4" "	1"	
2203	1.5 - Steam hammer	1"	
2204	1" "	1"	
2205	3/4" "	1"	
2206	1/2" "	1"	
6003	dia 1.930m L 7.315m Lancashire boiler	1"	
6004	dia 1.524m L 7.355m Cornish boiler	1"	
2101	700H.P. Rolling machine	1"	
2501	75H.P. Air compressor	1"	War disaster
2504	30H.P. "	1"	"
2505	15H.P. "	1"	
2301	3.500Tons <sup>Ecc.</sup> Press	1"	Repairing
2302	2.000 tons "	1"	
2303	1.500 tons "	1"	Overhauling
2304. 2305	1.000 tons "	2"	1 set Overhauling
2306. 2307	500 tons "	2"	
2401	800Tons "	1"	
2402	600Tons "	1"	
2404	400 tons "	1"	
2405	300 tons "	1"	
2406. 2356	200 tons "	2"	
2355	150 tons "	1"	
2403	50 tons "	1"	
2353	NO.1 Ecc. Press	1"	
2354	NO.2 " "	1"	
	1.000 Tons Slaving machine	1"	

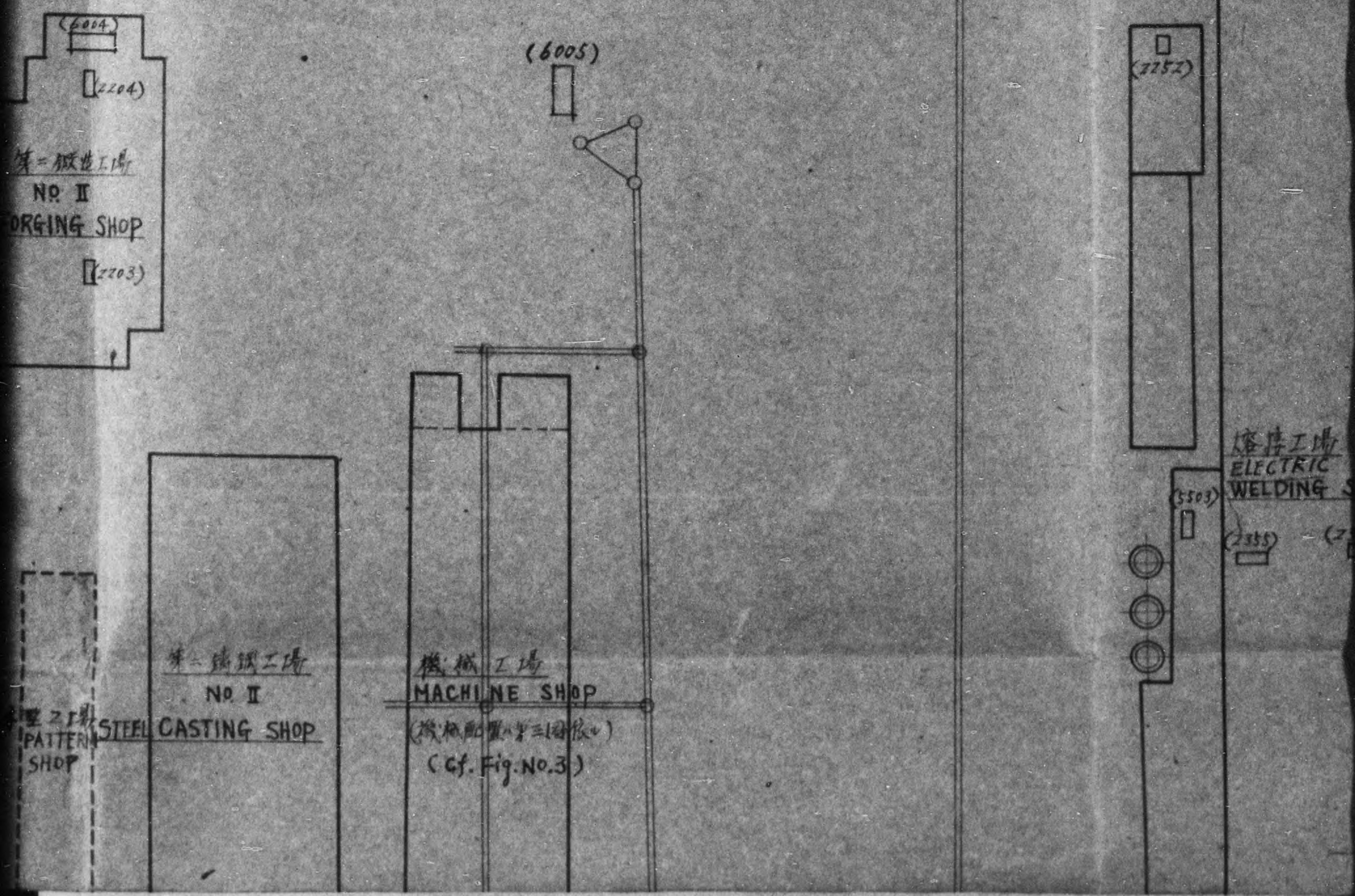


第二工場  
PATTERN SHOP  
STEEL

# 本社工場機械配

## DETAIL OF NO.1 HEAD WORKS

運河  
CANAL



# 工場機械配置圖

昭和20年8月31日現在

## D WORKS

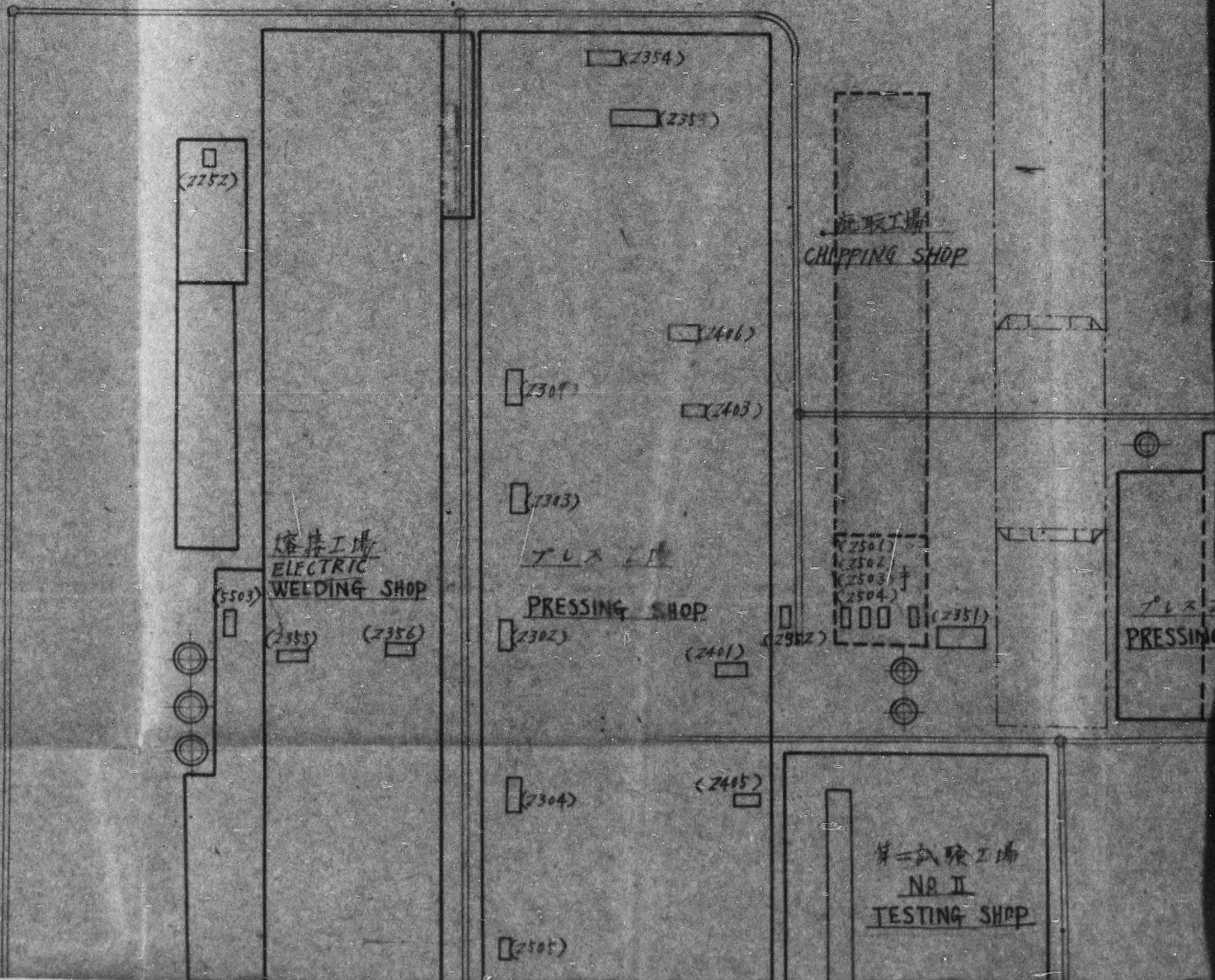
31<sup>st</sup> AUG. 1945

工場敷地	15,388.68坪
" 建坪	4,143.74坪
Building Plot	51,000/m <sup>2</sup>
Area	13,700/m <sup>2</sup>

実  
Wa  
※  
※

運河

## CANAL





31日現在

縮尺  $\frac{1}{600}$

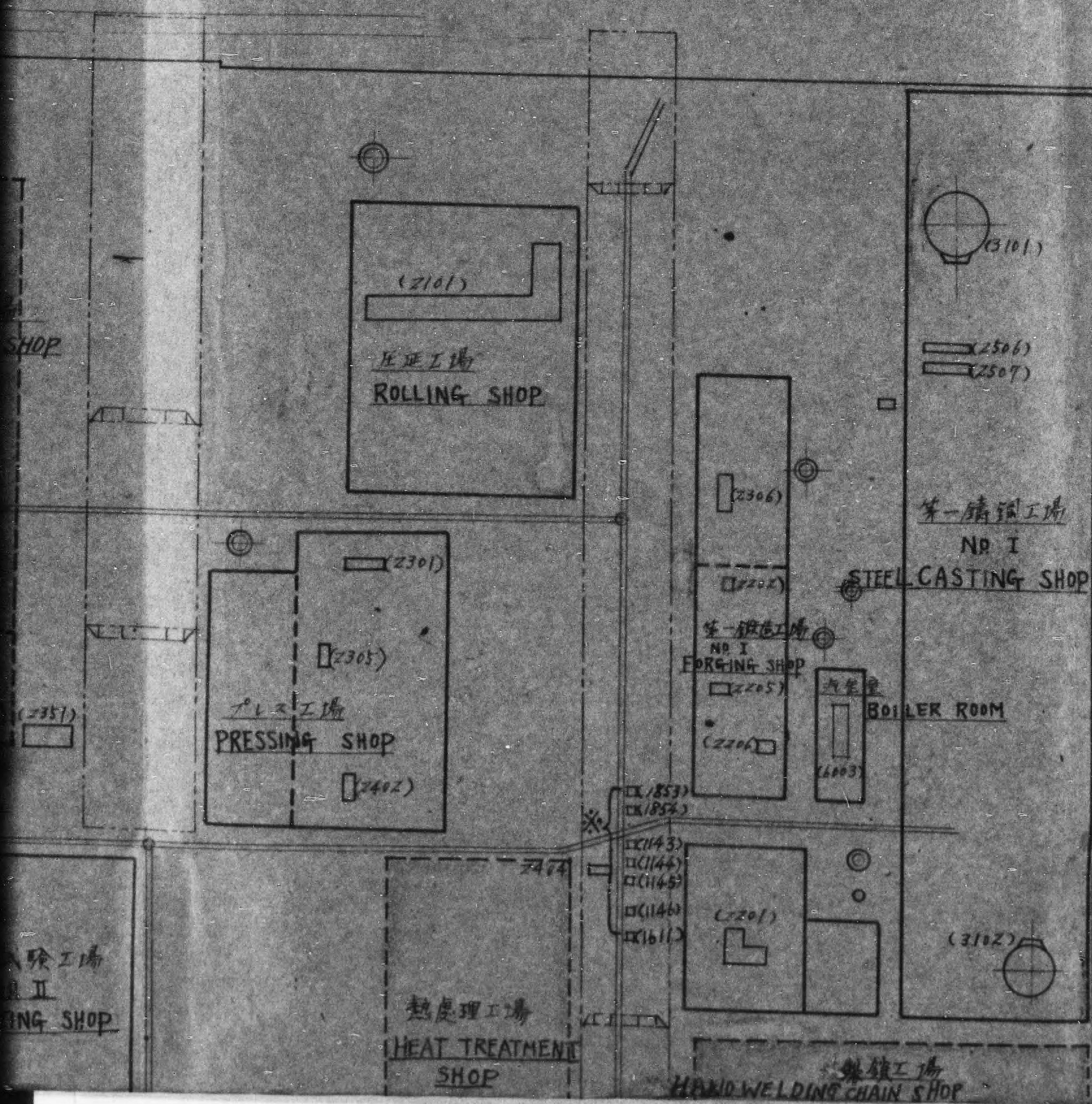
SCAL  $\frac{1}{600}$

945

8坪  
8坪

真線及手印ハ戦災七ル又19示ス  
War disaster (in dotted line & by 'f' mark)

※印ハ疎開, 7ル搬出中7示ス  
※ Mark (Carrying for dispersion)  
out



LTU	DESCRIPTION	QUANTITY	REMARKS
2404	400 tons	1	
2405	300 tons	1	
2406.2356	200 tons	2	
2355	150 tons	1	
2403	50 tons	1	
2353	No. 1 Ecc. Press	1	
2354	No. 2 " "	1	
2351	400 tons Shearing machine	1	
2352	100 tons	1	
1131	12 ft Lathe	1	War disaster
5101	250 tons Chain testing machine	1	"
5102	150 tons " "	1	
5201	50 tons Amsler testing machine	1	War disaster
5202	10 tons " "	1	"
5301	Sharpie impact testing machine	1	"
5302	130t " "	1	"
5501.5502	"Leitz" metalloscope	2	
5503	"X-Ray" apparatus	1	
2252	80 tons Hydraulic press	1	
1853-1855	Vertical milling machine	3	carrying out dispersion
1143-1146	8 ft Lathe	4	"
1147	12 ft " "	1	"
1611	8 ft Plaining machine	1	"
2209	3/4 tons Steam hammer	1	"
6005	dia 2120 mm L 9100 mm Lancashire boiler	1	spare

2209	3/4吨 蒸汽锤	1	"
6005	直径2120米 长9100米 兰开夏-汽炉	1	手铸品

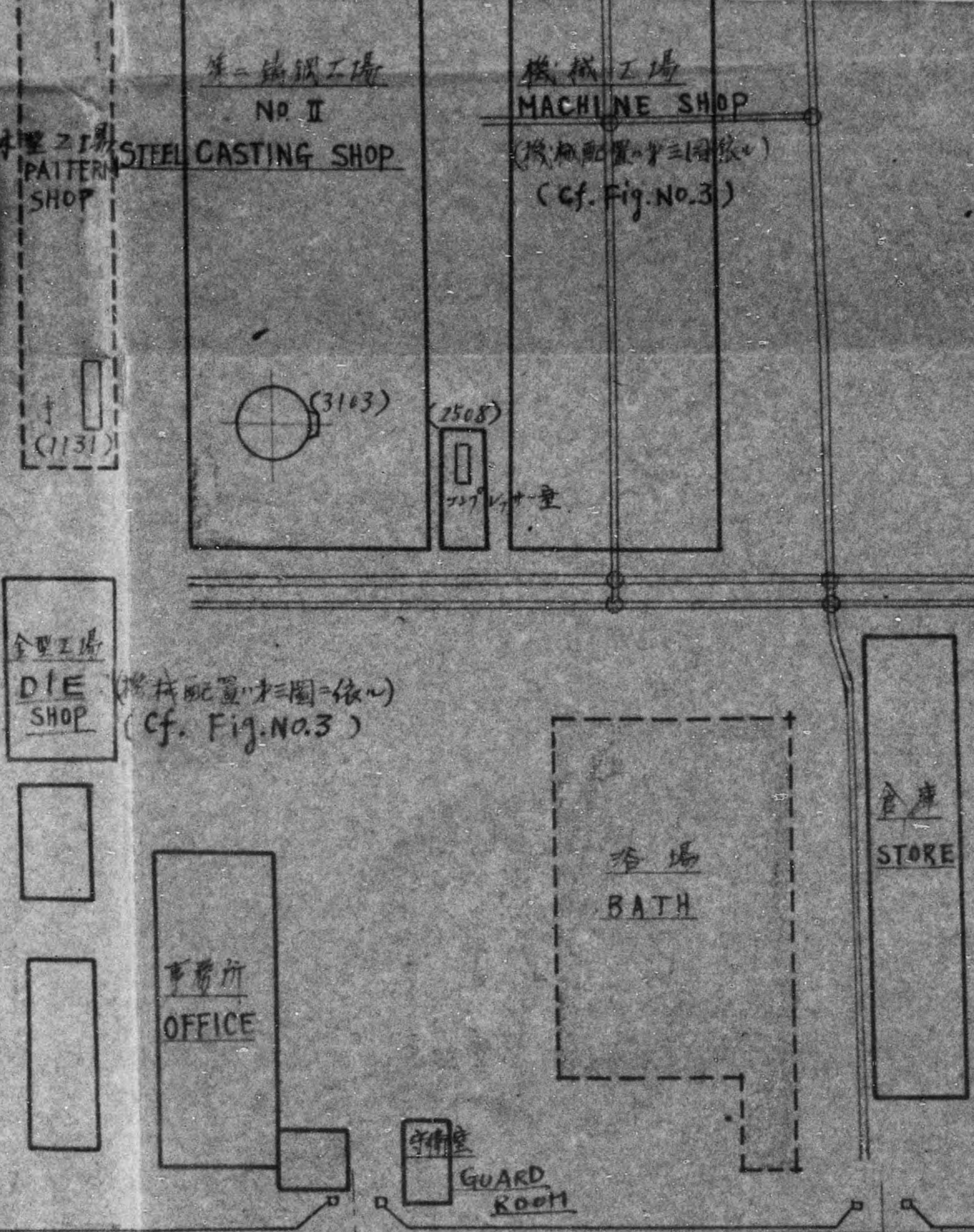
STEEL PATTERN SHOP

(1131)

DIE SHOP (cf.)

OF

Master  
 " "  
 " "  
 " "  
 " "  
 " "  
 " "  
 " "  
 " "  
 out carrying for dispersion  
 " "  
 " "  
 " "  
 " "  
 spare



予備品

