

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

Description of contents

(1) Box no. 2938

(2) Folder title/number: (11)
Toyo Rayon

(3) Date: Oct. 1947 - Jan. 1951

(4) Subject:

Classification	Type of record
9230, 9621	a, c, e

(5) Item description and comment:
i) Shiga
ii) Includes Contents List

(6) Reproduction: Yes No

(7) Film no.

Sheet no.

(Compiled by National Diet Library)

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Military Correspondences

No.	Date	Subject
31 Aug 49		Report on Operation
13 Sep 49		Machines Exempt from Reparatons
14 Sep 49		Reparation Machines
30 Sep 49		Report on Operation
3 Oct 49		Report on Explosion Case of Carbon Dioxide
17 Feb 50		Applications for Funds for Maintenance Work
15 Jun 50		Report on Rescission of Authorized Use Equipment
8 Jul 50		Application for Authorized Use of Items Listed for Reparatons
15 Aug 50		Report on Rescission of Authorized Use Equipment of Toyo Rayon Co., Ltd., Toyo Machinery works (35-11)
25 Sep 50		Movement and Authorized Use of Reparatons Equipment
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		Govt-owned Equipment in Private Reparatons Plants
		Release of Scrap Equipment

11-1d
35-11

MEMO FOR: Record

SUBJECT: Release of Scrap Equipment

CPC memo is in 13-8

DATE:

Release as melt-down scrap of following ¹¹ items located at Toyo Rayon

Machinery works code No. 35-11 was approved by CPC memo for

TGRA dated 30 Jan 1951:

- 35-11-6 - 159
- 12 - 162
- 18 - 168
- 175
- 176
- 177
- 354
- 62

Total 11 items

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Military Correspondences

No.	Date	Subject
25 Oct 47		Application for Permission to Temporary Use of the Machines Designated as Reparation Goods
6 Dec 48		Report on Reparation Plants Having "EX" Machines List of EX Machine & Equipment that Dispersed to Yamashina Mill List of EX Machine & Equipment that Transferred from Aichi Factory List of EX Machine & Equipment that Transferred from Engineering Dept of our Factory List of EX Machine & Equipment that transferred from Yamashina Mill
8 Feb 49		Application for written Verification for Authorized Use of Reparation Machinery
19 Mar 49		Memorandum
28 Apr 49		List of Temporary Use within Reparation Machinery
3 May 49		Verification of "U" Machines
4 May 49		Reparations Machines
4 May 49		Verification of "EX" Machines and Equipment
18 Jun 49		Reparations Machines
20 Jun 49		verification of "U" Machines
21 Jun 49		Temporary Use of Reparations Machines in Plant Code No. 35-11
25 Jun 49		Operation Machine List of Reparation Machinery sulphuric Acid Plant
15 Jul 49		Report on Inventory of sulphuric Acid Plants
31 Jul 49		Report on Operation
8 Aug 49		Report on Inspection of Sulphuric Acid Plants

1. Company : Toyo Rayon K.K. Shiga Plant
 2. Address : 46-4, Kita-Oji-cho, Ishiyama,
 Otsu city, Shiga Pref.
 3. Code No.: 35 - 11

<u>Inv. No.</u>	<u>Name of Machine</u>	<u>Quantity</u>	<u>Remarks</u>
35-9 - 101	Lathe	1	
102	"	1	
103	"	1	
104	"	1	
105	Boring Machine	1	
106	"	1	
107	"	1	
108	Shaper	1	
110	Drilling Machine	1	
111	"	1	
112	"	1	
113	Gear Hobbing Machine	1	
114	Air Compressor	1	
115	Optical profile Machine	1	
116	"	1	
117	Drilling Machine	1	
118	Boring Machine	1	
120	Universal grinding Machine	1	
121	Grinder	1	
122	Surface grinder	1	
123	Tool Grinder	1	
124	Air Compressor	1	
125	"	1	
126	"	1	
127	Hydraulic Pump	1	
132	Reduction gear	1	
128	Motor	1	
129	"	1	(List from letter KFB
130	"	1	#219, 12 Mar 51, "Govt-
131	"	1	owned equipt. in private
			reparations plants".
			see file MI-XXI.)

MEMO FOR: Record

SUBJECT: Release of Scrap Equipment

DATE:

Release as melt-down scrap of following items located at Toyo Rayon

Co. code No. 35-11 was approved by CPC memo for

TGRA dated 30 Jan 51:

35-11-6	-159
12	162
18	168
175	
176	
177	
354	
62	

CPC memo is in 13-2

M/V Supervisor
MI-1d Shiga
KINKI 35-11
INFORMATION:
O.D. *WJ*
OCT. 16. 1950

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

HBO/MWH/RAS/jtt

387.6(10 Oct 50)ESS/IND

10 October 1950

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Authorized Use of Items
Listed for Reparations

1. Reference is attached R.A.R. No. 1045(MS), 4 Sep-
tember 1950, subject: Application for Additional Authorized
Use of Reparations Equipment Filed by Shiga Plant (Toyo
Machinery Works), Toyo Rayon Co., Ltd. (Code No. 35-11).

2. The application requesting permission for the
authorized use of the two (2) items of reparations machin-
ery and equipment listed in reference 1, above, is approved.

3. This permit is issued subject to any and all direc-
tives affecting reparations plants which have been issued
or may hereafter be issued by the Supreme Commander for the
Allied Powers. Reports will be rendered as required by cur-
rent directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

1 Incl
as indicated(dup)

MAURICE M. CLASS
Chief, Industry Division

Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:

The above ltr is self-explanatory.

Mr. R.A. Steele:
26-7842

M. M. C.

CA SEC COPY

1-1 357

TO : GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED POWERS.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Additional Authorized Use of Reparations Equipment Filed by Shiga Plant (Toyo Machinery Works), Toyo Rayon Co., Ltd. (Code No. 35-11).

R.A.R. No. 1045 (MS)

4 September 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for additional authorized use of 2 sets of reparations equipment now lying idle filed by the Shiga Plant (Toyo Machinery Works), Toyo Rayon Co., Ltd. (Code No. 35-11), together with an application of the Ministry of International Trade and Industry, as enclosed herewith.
2. As stated in detail in the explanatory note attached hereto, the said plant has been engaged in the production of textile machines and ventilators with the permission by the Shiga MIT., and it now wishes to use additionally 2 sets of idle reparations equipment as "authorized use" in order to improve its production process.
3. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katano)
Director, Reparations Division,
Reparations Agency.

- Incls:
- a) ~~Application of the Ministry of International Trade & Industry.~~
 - b) Application of the subject plant.

Incl 1

LIST OF THE DESIRED REPARATION
DESIGNATED MACHINERY AND EQUIPMENT

Applicant : Toyo Rayon Co., Ltd.

Name of Items	Name of Mtg. Co.	Type & Dimension	Inventory No.	Operation or Idle	No. of Items	Remarks
Horizontal Boring	Mabuchi Tekkosho	Motor driven Dia. of boring bar 85 m/m	35-11-346	Lie idle	1	
Boring Machine	Mitsui Seiki Kogyo K.K.	Motor driven Table travel 80 m/m	35-11-347	Lie idle	1	
Total					2	m/cs

MI-1d

Shiga

35-11

MEMORANDUM FOR: RECORD

SUBJECT : Movement and Authorized Use of Reparations Equipment

DATE : 25 September 1950

Movement of one drilling machine, inventory code no. 35-11-320, from the Toyo Machinery Works, 35-11, to the Shiga Plant of same company (Amilan Dep't) at 46 Ishiyama, Kitaoji-cho, Otsu, Shiga Prefecture for authorized use has been authorized by GHQ, SCAP Memorandum for Japanese Government Reparations Agency, 13 September 1950.

0
KINKI
~~OSAKA~~ LIAISON & COORDINATION OFFICE
Prefectural Building
OSAKA

MI-Id Shiga
35-11
TS/ai

15 August 1950

KKLCO No. 449 ER

TO : Chief, Kinki Civil Affairs Region
(ATTN: Commerce & Industry, Economic Section)SUBJECT: Report on Rescission of Authorized Use Equip-
ment of Toyo Rayon Co., Ltd., Toyo Machinery
Works (35-11)

1. For your information.
2. Upon request from Shiga Prefectural Government, forwarded herewith is a copy of the subject report submitted to CPC, GHQ, SCAP through Ministry of International Trade and Industry.

S. Shimanaka
for S. Shima
Director

Incl: As stated above.

Report on Rescission of Authorized
Use Equipment

Date : 28th July, 1950

Plant Name and Location : (Code No. 35 - 11)

No.46 Ishiyama Kitaoji-cho, Otsu, Shiga
Pref.

Toyo Rayon Co., Ltd., Toyo Machinery
Works.

User :

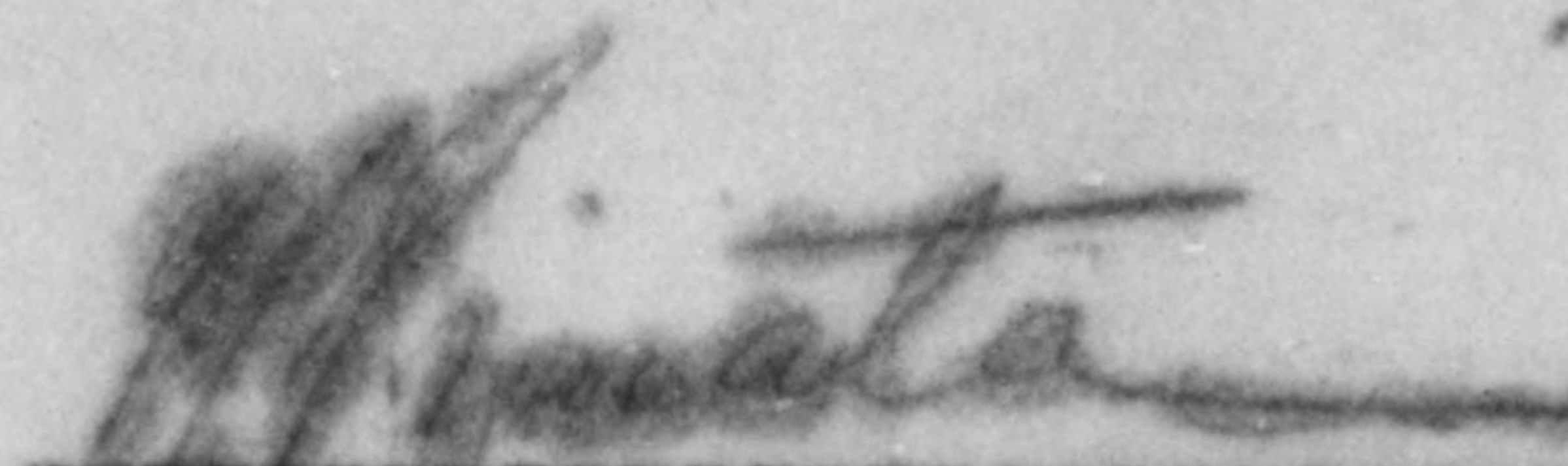
Ishiro Nemoto

Chief of Toyo Machinery Works

Reason of Rescission

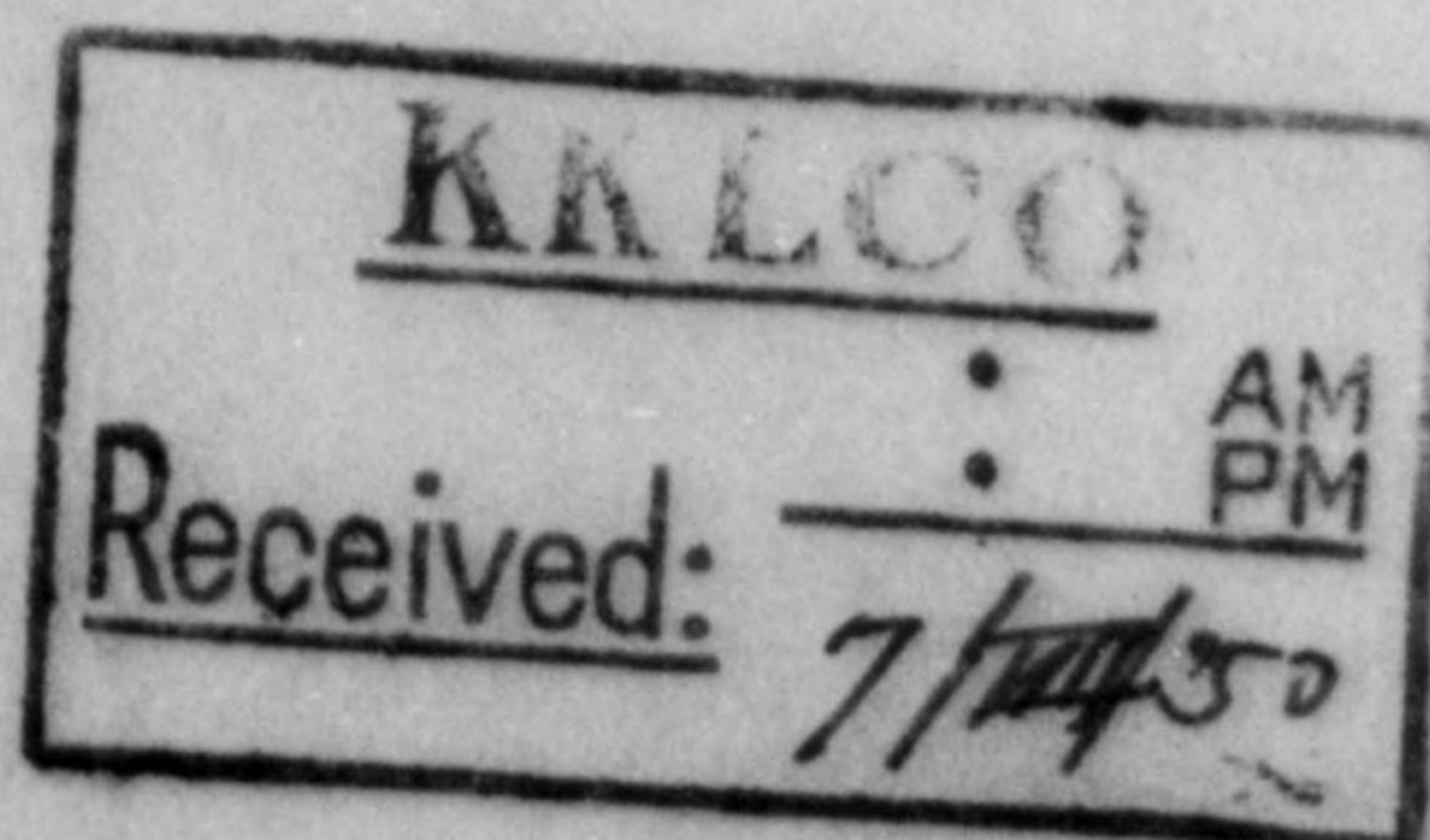
Decrease of order for repair of rolling
- stock.

Total No. of Rescinded Equipment : 12 machines.



(TOMOYOSHI KIMATA)

Director & Super Intendent of Shiga Factory
Toyo Rayon Co., Ltd.



List of Rescinded Equipment

Inventory No.	Name of Equipment	Remark
35 - 11 - 100	Lathe	
35 - 11 - 130	ditto	
35 - 11 - 132	ditto	
35 - 11 - 133	ditto	
35 - 11 - 134	ditto	
35 - 11 - 138	ditto	
35 - 11 - 150	ditto	
35 - 11 - 172	ditto	
35 - 11 - 223	Milling Machine	
35 - 11 - 227	ditto	
35 - 11 - 229	ditto	
35 - 11 - 230	ditto	
Total	<u>12 m/cs</u>	

M1-1d shiga
KINKI 35-11

INFORMATION:

O.D. //

JUL 13 1950

GENERAL HEADQUARTERS
SUPREME COMMANDER FOR THE ALLIED POWERS
Economic and Scientific Section
APO 500

387.6(8 Jul 50)ESS/IND

WT/ABO/MWH/RAS/jtt
8 July 1950

MEMORANDUM FOR: Reparations Agency, Tokyo

SUBJECT: Application for Authorized Use of Items
Listed for Reparations

1. Reference is attached R.A.R. No. 344(MS), 19 April 1950, subject: Application for Authorized Use of Reparations Equipment Filed by Toyo Machinery Works (former Shiga Plant), Toyo Rayon Co., Ltd., (Code No. 35-11).

2. The application requesting permission for the authorized use of the 185 items of reparations machinery and equipment listed in reference 1, above, is approved.

3. This permit is issued subject to any and all directives affecting reparations plants which have been issued or may hereafter be issued by the Supreme Commander for the Allied Powers. Reports will be rendered as required by current directives and instructions.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION:

1 Incl
as indicated.

MAURICE M. CLASS
Chief, Industry Division

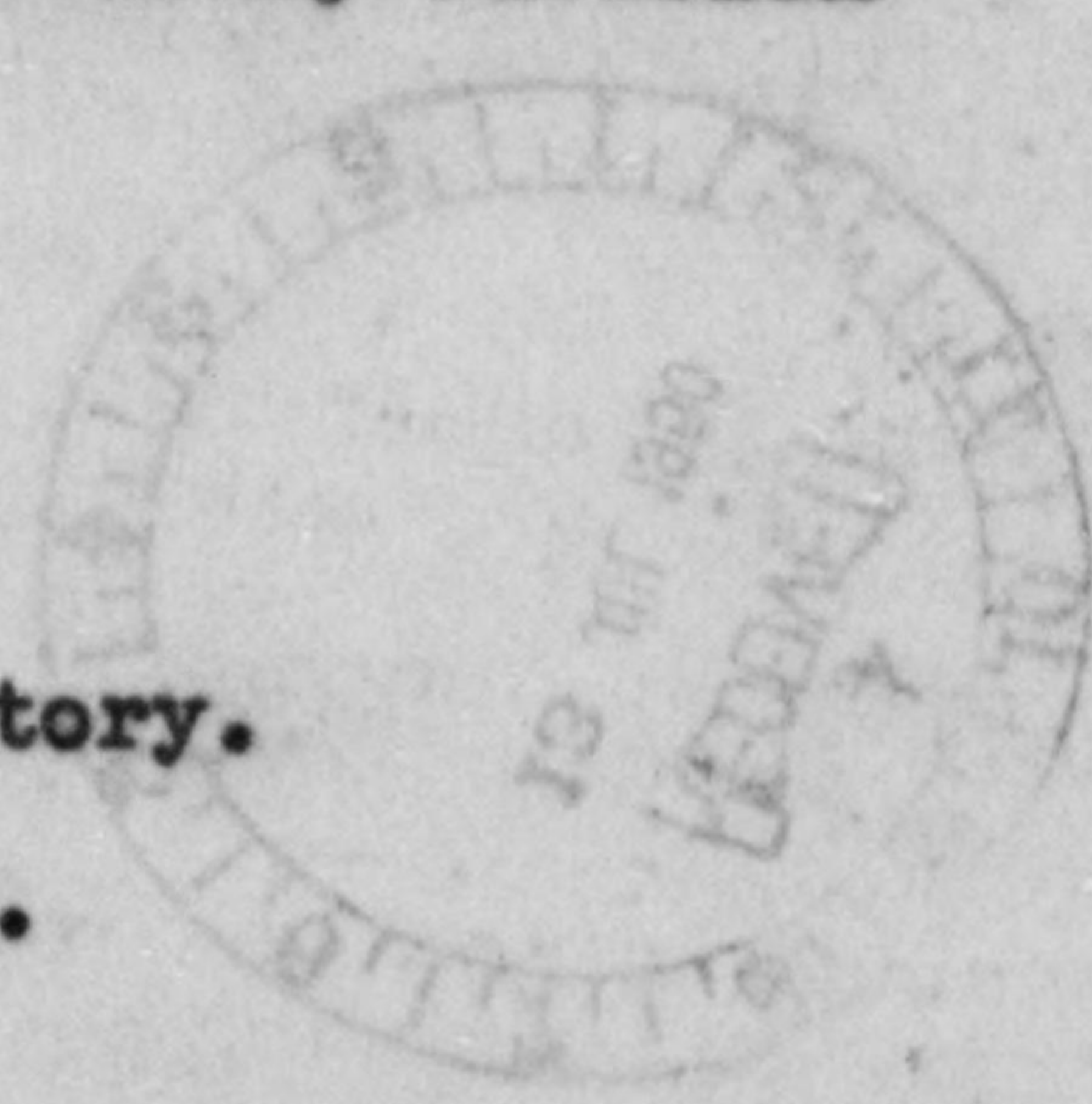
Cys furnished:
CA Sec (dup)
CPC

MEMO FOR RECORD:

The above ltr is self-explanatory.

Mr. R.A. Steele:
26-6552

M. M. C.



CA SEC COPY

TO : General Headquarters, Supreme Commander for the Allied Powers.

FROM : Reparations Agency, Tokyo.

SUBJECT: Application for Authorized Use of Reparations Equipment Filed by Toyo Machinery Works (former Shiga Plant), Toyo Rayon Co., Ltd., (Code No. 35-11).

R.A.R. No. 344 (MS)

19 April 1950.

1. The Reparations Agency hereby submits to your Headquarters an application for ~~movement and~~ authorized use of ~~185~~ sets of reparations equipment now lying idle or in temporary operation filed by the Toyo Machinery Works (former Shiga Plant, Toyo Rayon Co., Ltd., (Code No. 35-11), together with an application of the Ministry of International Trade and Industry, as enclosed herewith.
2. As stated in detail in the explanatory note attached hereto, the said plant has been engaged in the production of textile machines, ventilators, and other equipment with the reconversion permission by HQ, and it now wishes to use 24 sets of idle reparations equipment as "authorized use" in order to rationalize its production process, and, at the same time, it is desired that 161 sets of reparations equipment now under "temporary operation" which was permitted by the Shiga Civil Affairs Team, be placed into the formal "authorized use" by your Headquarters.
3. It is requested that your most favorable consideration be given to this application at the earliest practicable date.

(Y. Katsuno)
Director, Reparations Division,
Reparations Agency.

- Incls:
- a) ~~Application of the Ministry of International Trade & Industry.~~
 - b) Application of the subject plant.

Incl 1

10 Feb 50

Reparations Machines and Equipments Desired to Use

Inventory No.	Name of machine	Class	Type	Operating dimensions		Distinction of operation or non use
				Len- gth	Swing Center to center distance	
35-11-2	Lathe	2	Belt driven	12' x 54"	7'	Non use
35-11-22	Ditto	2	Ditto		Ditto	Non use
35-11-66	Ditto	2	Ditto		Ditto	T. O.
35-11-67	Ditto	2	Ditto	8.8' x 42"	x 4.6'	T. O.
35-11-103	Ditto	2	Ditto	8' x 36"	x 4'	T. O.
35-11-104	Ditto	2	Ditto	8' x 34"	x 4.2'	T. O.
35-11-111	Ditto	2	Ditto	6.5' x 33"	x 2.10'	T. O.
35-11-112	Ditto	2	Ditto	6.4' x 35"	x 2.7'	T. O.
35-11-114	Ditto	2	Ditto	6' x 36"	x 2.4'	Non use
35-11-116	Ditto	2	Ditto	4.6' x 16"	x 1.9'	T. O.
35-11-117	Ditto	2	Ditto		Ditto	T. O.
35-11-123	Ditto	2	Ditto	6' x 28"	x 3.3'	Non use
35-11-126	Ditto	2	Ditto	6.7' x 17"	x 2.11'	T. O.
35-11-131	Ditto	2	Ditto	6' x 34"	x 2.6'	T. O.
35-11-135	Ditto	2	Ditto	6' x 35"	x 2.7'	T. O.
35-11-136	Ditto	2	Ditto	6' x 34"	x 2.3'	T. O.
35-11-145	Ditto	1	Ditto	6.3' x 38"	x 2.10'	Non use
35-11-152	Ditto	2	Ditto	9' x 43"	x 4.7'	T. O.
35-11-153	Ditto	2	Ditto	9' x 42"	x 4.4'	T. O.
35-11-154	Ditto	2	Ditto	6.6' x 37"	x 2.6'	T. O.
35-11-160	Ditto	2	Ditto	8' x 21"	x 3.3'	T. O.
35-11-169	Ditto	2	Ditto	6.8' x 46"	x 4.4'	T. O.
35-11-178	Ditto	2	Ditto	6.6' x 32"	x 2.9'	T. O.
35-11-180	Lathe, turret	1	Standard	6' x 16"		T. O.
35-11-183	Lathe, turret	2	Standard	4.6' x 14"		Non use

- 2 -

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-194	Milling machine	2	Horizontal	Table travel 56" x 12"	T. O.
35-11-199	Milling machine	2	Horizontal	Table travel 28" x 6"	Non use
35-11-201	Ditto	1	Ditto	Table travel 61" x 16"25	T. O.
35-11-220	Ditto	1	Vertical	Table travel 44" x 12"	Non use
35-11-234	Misc. m/c tools, shapers & slotters	1	Horizontal	Length of stroke 18" Table travel 16" x 14"5	T. O.
35-11-239	Ditto	1	Ditto	Ditto	T. O.
35-11-246	Ditto	2	Ditto	Length of stroke 18" Table travel 15" x 12"	Non use
35-11-253	Ditto	1	Vertical	Length of stroke 8" Table travel(dia.) 20"	T. O.
35-11-254	Ditto	1	Ditto	Length of stroke 2"5 Table travel(dia.) 11"25	Non use
35-11-258	Ditto	1	Ditto	Length of stroke 8" Table travel(dia.) 19"	T. O.
35-11-262	Planer	1	Double housing	Length of bed 12.3' Table travel 105" x 26"75	Non use
35-11-265	Ditto	1	Ditto	Length of bed 7.8' Table travel 62"5 x 26"5	Non use
35-11-281	Drilling machine	2	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.) 30 mm	T. O.
35-11-287	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	Non use
35-11-288	Ditto	2	Ditto	Ditto	T. O.
35-11-289	Ditto	1	Ditto	Ditto	T. O.

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-293	Drilling machine	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	T. O.
35-11-295	Drilling machine	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.)30 mm	T. O.
35-11-296	Ditto	2	Ditto	Drilling capacity in steel or cast iron(dia.)25 mm	T. O.
35-11-297	Ditto	2	Ditto	Ditto	Non use
35-11-300	Ditto	1	Ditto	Ditto	T. O.
35-11-311	Ditto	1	Ditto	Ditto	Non use
35-11-312	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	Non use
35-11-314	Ditto	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.)32 mm	Non use
35-11-316	Ditto	1	Ditto	Ditto	T. O.
35-11-317	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 5 mm	T. O.
35-11-318	Ditto	1	Bench type	Drilling capacity in steel or cast iron (dia.) 5 mm	T. O.
35-11-319	Ditto	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.)25 mm	T. O.
35-11-321	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	Non use
35-11-329	Grinding machine	1	Disc. face & stand, bench	1 HP	T. O.
35-11-332	Ditto	1	Ditto	0.5 HP	T. O.
35-11-333	Ditto	1	Ditto	0.5 HP	T. O.
35-11-339	Ditto	1	Ditto	1.5 HP	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-340	Gear cutting and finishing m/cs, gear hobbors	1	Single spindle	Maximum capacity (dia.) 120 mm	Non use
35-11-341	Ditto	1	Ditto	Ditto	T. O.
35-11-343	Ditto	1	Ditto	Maximum capacity (dia.) 889 mm	T. O.
35-11-350	Misc. machine tools, cut-off sawing	1	Abrasive	Maximum worksize 100mm x 100mm	Non use
35-11-358	Bending machine	1	Plate press	Maximum width and thickness of work stock 250mmx10mm 7.5 HP	Non use
35-11-367	Motor	1	Alternating induction	Voltage: 220 V R.P.M. 1140 Rated HP : 15	Non use
35-11-372	Primary electric power transmission & distribution equipment	1	Transformer indoor type	20 K.V.A.	Non use
35-11-373	Ditto	1	Ditto	20 K.V.A.	Non use
35-11-375	Misc. metal working equipment	1	Electroplating	Len- Width Height gth 6' x 29" x 32"	T. O.
35-11-376	Ditto	1	Ditto	Len- Width Height gth 31" x 22" x 25"	T. O.
35-11-379	BORING & MORTISING MACHINE	1		Capacity 10V x 20A GREATEST BORING CAPACITY 0.5"	T. O.
35-11-380	Wood planing machine	1		Edge width 12"	T. O.
35-11-381	Automatic planing machine	1	Cutting 3 sides	Edge width 18"	T. O.
35-11-382	Ditto	1	Ditto	Edge width 16"	T. O.
35-11-383	D.C. electric welding machine	1	D. P. C	Phase induction motor out put: 15 HP Voltage: 220 V R.P.M. : 1800	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-384	D.C. electric welding machine	1	D. P. C	Phase induction motor out put: 15 HP Voltage: 220 V R.P.M. : 1800	T. O.
35-11-386	Turret, lathe	2		Length of bed: 8 shaku Height of center: 8"	T. O.
35-11-388	Electric drill	2	E. D. B	$\frac{1}{2}$ HP	T. O.
35-11-389	Ditto	2	Ditto	$\frac{3}{4}$ HP	T. O.
35-11-390	Ditto	2		$\frac{1}{2}$ HP	T. O.
35-11-391	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-392	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-393	Ditto	1		$\frac{1}{2}$ HP	T. O.
35-11-394	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-395	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-396	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-397	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-398	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-399	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-400	Ditto	1		1 HP	T. O.
35-11-401	Electric grinder	2	P.G.	$\frac{3}{4}$ HP	T. O.
35-11-402	Ditto	2		$\frac{1}{2}$ HP	T. O.
35-11-403	Milling machine	2	Vertical type	Length of bed 1,200mm Width of bed 295mm	T. O.
35-11-404	Ditto	2	Ditto	Ditto	T. O.
35-11-405	Circular saw with adjustable table	1		Dia. of saw 16"	T. O.
35-11-406	Ditto	1		Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-407	Circular saw with adjustable table	1		Dia. of saw 16"	T. O.
35-11-608	Atomic hydrogen welder	1		Len- Width Height gth 780mmx670mmx710mm	T. O.
35-11-609	Electric welder	1		Len- Width Height gth 920mmx750mmx560mm	T. O.
35-11-610	Crane	2		Len- Width Height gth 1200mmx1250mmx2600mm /1 ton	T. O.
35-11-612	Surface plate	2		Len- Width Height gth 1800mmx1000mmx160mm	T. O.
35-11-613	Ditto	2		Ditto	T. O.
35-11-614	Ditto	2		Ditto	T. O.
35-11-615	Ditto	2		Ditto	T. O.
35-11-616	Ditto	2		Ditto	T. O.
35-11-617	Ditto	2		Ditto	T. O.
35-11-618	Ditto	2		Len- Width Height gth 1800mmx1200mmx160mm	T. O.
35-11-619	Ditto	2		Len- Width Height gth 1800mmx900mmx200mm	T. O.
35-11-620	Ditto	2		Ditto	T. O.
35-11-621	Ditto	2		Ditto	T. O.
35-11-622	Ditto	2		Ditto	T. O.
35-11-623	Ditto	2		Len- Width Height gth 3600mmx1500mmx300mm	T. O.
35-11-624	Ditto	2		Len- Width Height gth 1170mmx800mmx120mm	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions			Distinction of operation or non use
				Len- gth	Width	Height	
35-11-625	Surface plate	2		1200mm	920mm	150mm	T. O.
35-11-626	Ditto	2		2500mm	1250mm	260mm	T. O.
35-11-627	Ditto	2		1100mm	1800mm	150mm	T. O.
35-11-628	Ditto	2			Ditto		T. O.
35-11-629	Ditto	2			Ditto		T. O.
35-11-630	Electric drill	2		$\frac{1}{2}$ HP			T. O.
35-11-631	Ditto	2		$\frac{1}{2}$ HP			T. O.
35-11-632	Electric grinder	2		$\frac{3}{4}$ HP			T. O.
35-11-633	Ditto	2		$\frac{3}{4}$ HP			T. O.
35-11-634	Ditto	2		$\frac{3}{4}$ HP			T. O.
35-11-635	Ditto	2		$\frac{3}{4}$ HP			T. O.
35-11-636	Oil switch	1			3,300V	x 100A	T. O.
35-11-637	Ditto	1			Ditto		T. O.
35-11-638	Ditto	1			Ditto		T. O.
35-11-639	Ditto	1			Ditto		T. O.
35-11-640	Ditto	1			220V	x 400A	T. O.
35-11-641	Ditto	1			600V	x 250A	T. O.
35-11-642	Ditto	1			220V	x 50A	T. O.
35-11-643	Ditto	1			Ditto		T. O.
35-11-644	Ditto	1			Ditto		T. O.
35-11-645	Ditto	1			Ditto		T. O.
35-11-646	Ditto	1			Ditto		T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-647	Oil switch	1		220V x 50A	T. O.
35-11-648	Ditto	1		Ditto	T. O.
35-11-649	Ditto	1		Ditto	T. O.
35-11-650	Ditto	1		220V x 30A	T. O.
35-11-651	Ditto	1		Ditto	T. O.
35-11-652	Ditto	1		Ditto	T. O.
35-11-653	Ditto	1		Ditto	T. O.
35-11-654	Ditto	1		Ditto	T. O.
35-11-655	Ditto	1		Ditto	T. O.
35-11-656	Ditto	1		Ditto	T. O.
35-11-657	Ditto	1		Ditto	T. O.
35-11-658	Ditto	1		Ditto	T. O.
35-11-659	Ditto	1		Ditto	T. O.
35-11-660	Ditto	1		Ditto	T. O.
35-11-661	Ditto	1		Ditto	T. O.
35-11-662	Ditto	1		Ditto	T. O.
35-11-663	Ditto	1		Ditto	T. O.
35-11-664	Ditto	1		Ditto	T. O.
35-11-665	Ditto	1		Ditto	T. O.
35-11-666	Ditto	1		Ditto	T. O.
35-11-667	Ditto	1		Ditto	T. O.
35-11-668	Ditto	1		Ditto	T. O.
35-11-669	Ditto	1		Ditto	T. O.
35-11-670	Ditto	1		Ditto	T. O.
35-11-671	Ditto	1		Ditto	T. O.
35-11-672	Ditto	1		Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-673	Oil switch	1		220V x 30A	T. O.
35-11-674	Ditto	1		Ditto	T. O.
35-11-675	Ditto	1		Ditto	T. O.
35-11-676	Ditto	1		Ditto	T. O.
35-11-677	Ditto	1		Ditto	T. O.
35-11-678	Ditto	1		Ditto	T. O.
35-11-679	Ditto	1		Ditto	T. O.
35-11-680	Ditto	1		Ditto	T. O.
35-11-681	Ditto	1		Ditto	T. O.
35-11-682	Ditto	1		Ditto	T. O.
35-11-683	Ditto	1		220V x 150A	T. O.
35-11-684	Ditto	1		600V x 200A	T. O.
35-11-685	Ditto	1		220V x 100A	T. O.
35-11-686	Ditto	1		Ditto	T. O.
35-11-687	Ditto	1		Ditto	T. O.
35-11-688	Ditto	1		Ditto	T. O.
35-11-689	Ditto	1		Ditto	T. O.
35-11-690	Ditto	1		Ditto	T. O.
35-11-691	Ditto	1		Ditto	T. O.
35-11-692	Ditto	1		Ditto	T. O.
35-11-693	Ditto	1		Ditto	T. O.
35-11-694	Ditto	1		Ditto	T. O.
35-11-695	Ditto	1		Ditto	T. O.
35-11-696	Ditto	1		Ditto	T. O.
35-11-697	Ditto	1		Ditto	T. O.
35-11-698	Ditto	1		Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-699	Oil switch	1		220V x 100A	T. O.
35-11-700	Ditto	1		Ditto	T. O.
35-11-701	Ditto	1		Ditto	T. O.
35-11-702	Ditto	1		Ditto	T. O.
35-11-703	Ditto	1		Ditto	T. O.
35-11-704	Ditto	1		Ditto	T. O.
35-11-705	Ditto	1		Ditto	T. O.
35-11-706	Ditto	1		Ditto	T. O.
35-11-707	Ditto	1		Ditto	T. O.
35-11-708	Ditto	1		Ditto	T. O.
35-11-709	Ditto	1		Ditto	T. O.
35-11-710	Ditto	1		Ditto	T. O.
35-11-711	Ditto	1		Ditto	T. O.
35-11-712	Ditto	1		Ditto	T. O.
35-11-713	Ditto	1		Ditto	T. O.
35-11-714	Ditto	1		Ditto	T. O.
35-11-715	Ditto	1		Ditto	T. O.
35-11-716	Ditto	1		Ditto	T. O.
35-11-717	Ditto	1		Ditto	T. O.
35-11-718	Ditto	1		Ditto	T. O.
35-11-719	Ditto	1		Ditto	T. O.
35-11-720	Ditto	1		Ditto	T. O.
35-11-721	Ditto	1		Ditto	T. O.
35-11-722	Ditto	1		Ditto	T. O.
35-11-723	Electric distributor	1		460m/mx586m/m	T. O.

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-724	Electric distributor	1		540m/ax690m/m	T. O.
35-11-725	Ditto	1		134m/ax140m/m	T. O.
35-11-726	Ditto	1		500m/ax490m/m	T. O.
35-11-727	Ditto	1		460m/ax586m/m	T. O.
35-11-728	Electric furnace	1		14kw x 220v 25kw x 200v	T. O.

No. of T.O. 161 Machines
 No. of non use 24

Total: 185 machines

*Sussemann*KINKI
~~KINKI~~ LIAISON & COORDINATION OFFICE

TS/km

Prefectural Building
OSAKA

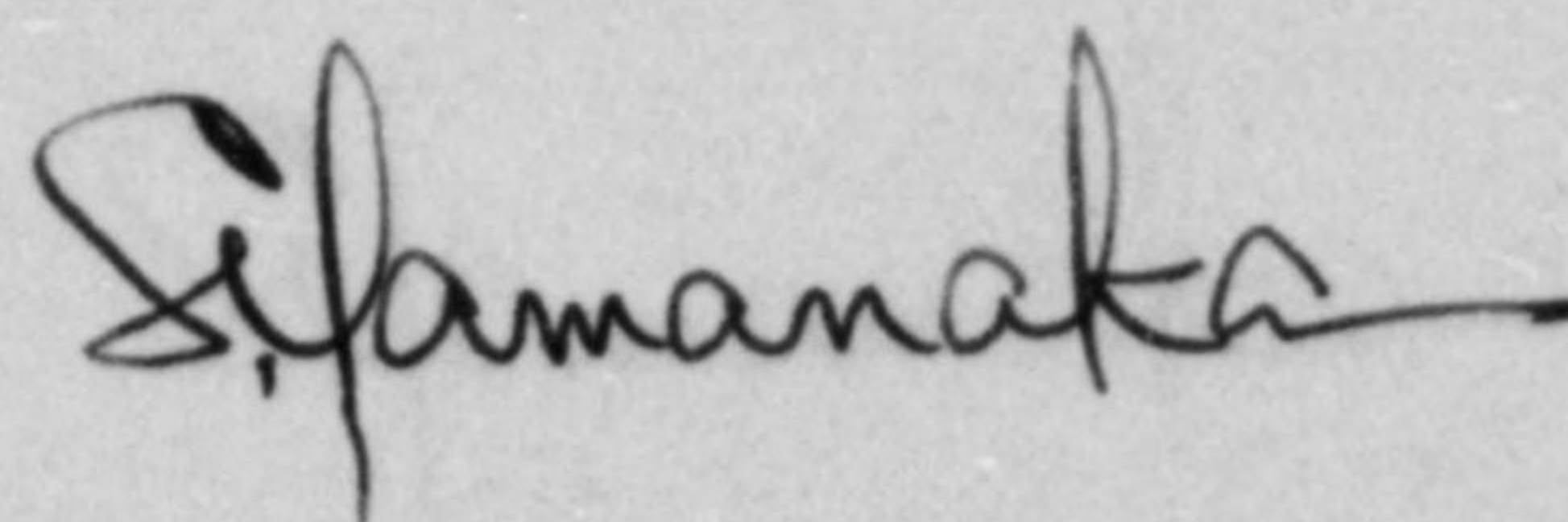
14 June 1950

KKLCO No. 272 ER

TO : Chief, Kinki Civil Affairs Region
(ATTN: Commerce & Industry, Economic Section)SUBJECT: Application for Authorized Use of Reparations
Machinery and Equipment
Toyo Rayon Co., Ltd., Toyo Machinery Works
(35-11)

1. For your information.
2. Inclosed herewith is a copy of the subject application submitted to CPC, GHQ, SCAP through the Ministry of International Trade and Industry.

IN THE ABSENCE OF THE DIRECTOR

S. Yamanaka
Acting Deputy Director

Incl: As stated above.

1-861

10 Feb., 1950

TO: Supreme Commander for the Allied Powers.

THRU: Minister of International Trade & Industry.

FROM: Toyo Rayon Co., Ltd.
No. 46, Ishiyama Kitaoji-cho, Otsu-shi, Shiga-ken.

SUBJECT: Application for Formal Permission of Authorized Use of Reparations Machines and Equipments.

1. Name of Designated Facility:

Toyo Machinery Works, Toyo Rayon Co., Ltd.
Former Civil Munitions Plant.
(Former Name --- Shiga Factory, Toyo Rayon Co., Ltd.)
Code No. 35-11 (Privately owned machinery number)

2. Address of Designated Facility:

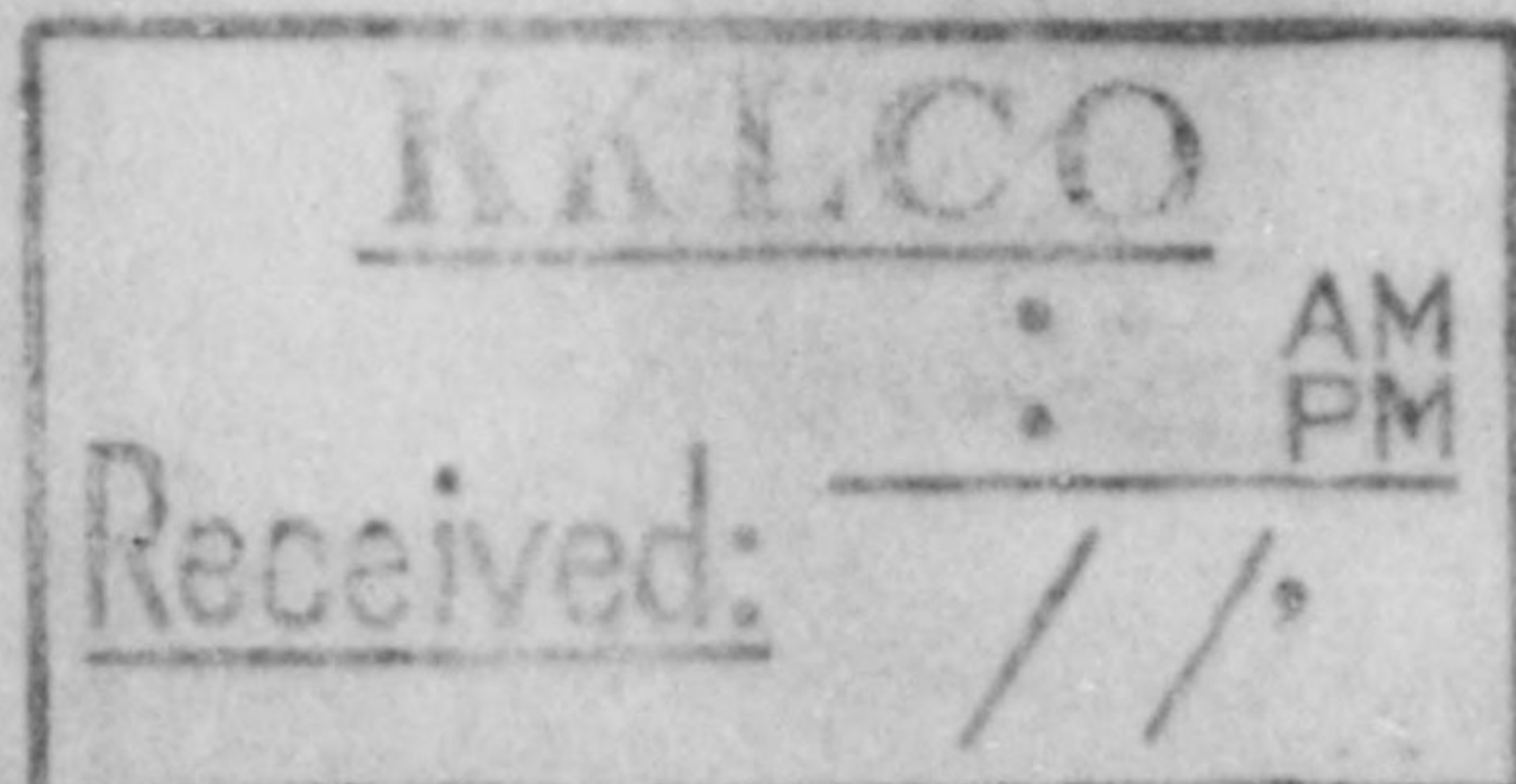
No. 46, Ishiyama Kitaoji-cho, Otsu-shi, Shiga-ken.

3. Products:

Toyo Machinery Works was given an approval for production of the following items for civil use by Memorandum No. 25 Shiga, dated 29 July 1946, issued by the Shiga Military Government Team.

(Among the items, the production of which was approved as above, only the main articles produced in the former civil munitions plant are mentioned here.)

<u>Item</u>	<u>Number</u>
1. Textile Machines	as previously authorized.
2. Repair of Railroad Equipments	Ditto
3. Ventilators	500
4. Accessories of Rayon Spinning Machines)	} 1/2 ton
5. Accessories and fittings for rayon production	



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4. Reparatons Designated Machines & Equipments
Desired to Use:

As shown on annexed papers.

5. Reason for Application:

Toyo Machinery Works was given an oral approval of "Temporary Operation" by the Shiga Military Government Team for 209 sets out of reparations machines and equipments under custody and control in the former civil munitions plant.

These machines and equipments have been used for repairing and manufacturing textile machines, parts of rayon spinning machines and also for repairing railroad equipment, which were included in the items of the approved products for civil use.

While we badly need these machines and equipments in order to continue the said production, the oral approval of "Temporary Operation" was cancelled pursuant to 3-b-(3), Operational Directive No. 51 dated 27 Sept., 1949, issued by Headquarters Eighth Army.

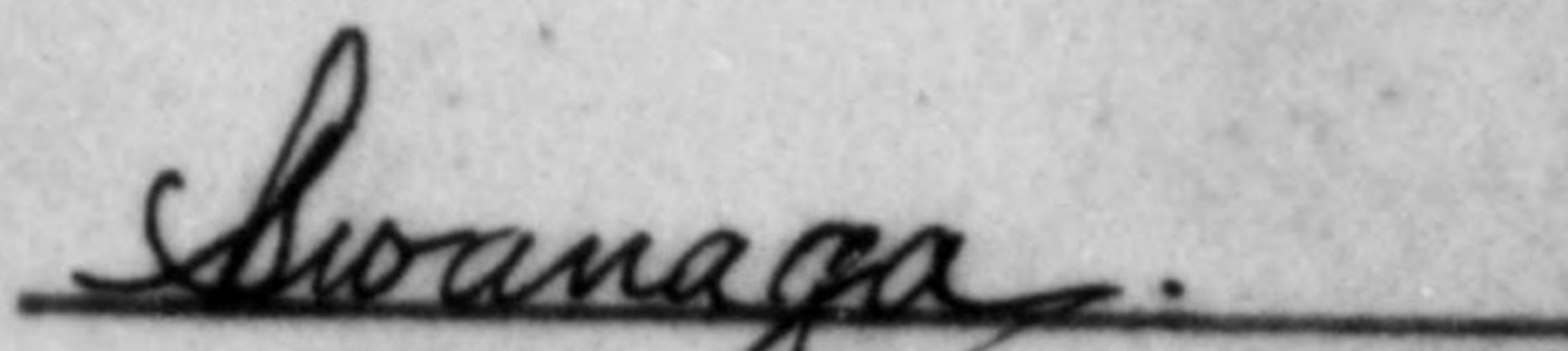
Among the 209 sets of machines for which the temporary operation had been approved, we have found 18 sets very inefficient and want to have the authorization for use of them cancelled.

On the other hand, we want to have 24 more sets, which are very efficient and absolutely necessary for the production, added to the list of "Temporary Operation" machines from among the reparations designated machines unoperated.

Under these circumstances we hereby would ask your favour of granting us the formal approval of "Authorized Use" to the 215 reparations machines explained as above.

Thanking you in anticipate for your kind consideration.

Yours sincerely,


IWAO IWANAGA
Managing Director
Toyo Rayon Co., Ltd.

Reparations Machines and Equipments Desired to Use

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
				Len- Swing Center to gth dia. center distance	
35-11- 2	Lathe	2	Belt driven	12'x 54" x 7'	Non use
35-11-22	Ditto	2	Ditto	Ditto	Non use
35-11-66	Ditto	2	Ditto	Ditto	T. O.
35-11-67	Ditto	2	Ditto	8.8'x 42" x 4.6'	T. O.
35-11-103	Ditto	2	Ditto	8' x 36" x 4'	T. O.
35-11-104	Ditto	2	Ditto	8' x 34" x 4.2'	T. O.
35-11-111	Ditto	2	Ditto	6.5'x 33" x 2.10'	T. O.
35-11-112	Ditto	2	Ditto	6.4'x 35" x 2.7'	T. O.
35-11-114	Ditto	2	Ditto	6' x 34" x 2.4'	Non use
35-11-116	Ditto	2	Ditto	4.6'x 16" x 1.9'	T. O.
35-11-117	Ditto	2	Ditto	Ditto	T. O.
35-11-123	Ditto	2	Ditto	6' x 28" x 3.3'	Non use
35-11-126	Ditto	2	Ditto	6.7'x 17" x 2.11'	T. O.
35-11-131	Ditto	2	Ditto	6' x 34" x 2.8'	T. O.
35-11-135	Ditto	2	Ditto	6' x 35" x 2.7'	T. O.
35-11-136	Ditto	2	Ditto	6' x 34" x 2.3'	T. O.
35-11-145	Ditto	1	Ditto	6.3'x 38" x 2.10'	Non use
35-11-152	Ditto	2	Ditto	9' x 45" x 4.7'	T. O.
35-11-153	Ditto	2	Ditto	9' x 42" x 4.4'	T. O.
35-11-154	Ditto	2	Ditto	6.5'x 37" x 2.6'	T. O.
35-11-160	Ditto	2	Ditto	8' x 21" x 3.3'	T. O.
35-11-169	Ditto	2	Ditto	8.8'x 46" x 4.4'	T. O.
35-11-178	Ditto	2	Ditto	6.6'x 32" x 2.9'	T. O.
35-11-180	Lathe, turret	1	Standard	6' x 16"	T. O.
35-11-183	Ditto	2	Ditto	4.6' x 14"	Non use

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-194	Milling machine	2	Horizontal	Table travel 56" x 12"	T. O.
35-11-199	Ditto	2	Ditto	Table travel 28" x 6"	Non use
35-11-201	Ditto	1	Ditto	Table travel 61" x 16"25	T. O.
35-11-220	Ditto	1	Vertical	Table travel 44" x 12"	Non use
35-11-234	Misc. m/c tools, shapers & slotters	1	Horizontal	Length of stroke 18" Table travel 16" x 14"5	T. O.
35-11-239	Ditto	1	Ditto	Ditto	T. O.
35-11-246	Ditto	2	Ditto	Length of stroke 18" Table travel 15" x 12"	Non use
35-11-253	Ditto	1	Vertical	Length of stroke 8" Table travel (dia.) 20"	T. O.
35-11-254	Ditto	1	Ditto	Length of stroke 2"5 Table travel (dia.) 11"25	Non use
35-11-258	Ditto	1	Ditto	Length of stroke 8" Table travel (dia.) 19"	T. O.
35-11-262	Planer	1	Double housing	Length of bed 12.3' Table travel 105" x 26"75	Non use
35-11-265	Ditto	1	Ditto	Length of bed 7.8' Table travel 62"5 x 26"5	Non use
35-11-281	Drilling machine	2	Sensitive & power fed upright	Drilling capacity in steel or cast iron (dia.) 30 mm	T. O.
35-11-287	Ditto	1	Bench type	Drilling capacity in steel or cast iron (dia.) 6 mm	Non use
35-11-288	Ditto	2	Ditto	Ditto	T. O.
35-11-289	Ditto	1	Ditto	Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-293	Drilling machine	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	T. O.
35-11-295	Ditto	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.) 30 mm	T. O.
35-11-296	Ditto	2	Ditto	Drilling capacity in steel or cast iron(dia.) 25 mm	T. O.
35-11-297	Ditto	2	Ditto	Ditto	Non use
35-11-300	Ditto	1	Ditto	Ditto	T. O.
35-11-311	Ditto	1	Ditto	Ditto	Non use
35-11-312	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	Non use
35-11-314	Ditto	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.) 32 mm	Non use
35-11-316	Ditto	1	Ditto	Ditto	T. O.
35-11-317	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 5 mm	T. O.
35-11-318	Ditto	1	Ditto	Ditto	T. O.
35-11-319	Ditto	1	Sensitive & power fed upright	Drilling capacity in steel or cast iron(dia.) 25 mm	T. O.
35-11-321	Ditto	1	Bench type	Drilling capacity in steel or cast iron(dia.) 6 mm	Non use
35-11-329	Grinding machine	1	Disc. face & stand, bench	1 HP	T. O.
35-11-332	Ditto	1	Ditto	0.5 HP	T. O.
35-11-335	Ditto	1	Ditto	0.5 HP	T. O.
35-11-339	Ditto	1	Ditto	1.5 HP	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-340	Gear cutting and finishing m/cs, gear hobbors	1	Single spindle	Maximum capacity (dia.) 120 mm	Non use
35-11-341	Ditto	1	Ditto	Ditto	T. O.
35-11-343	Ditto	1	Ditto	Maximum capacity (dia.) 889 mm	T. O.
35-11-350	Misc. machine tools, cut-off sawing	1	Abrasive	Maximum worksize 100mm x 100mm	Non use
35-11-358	Bending machine	1	Plate press	Maximum width and thickness of work stock 250mmx10mm 7.5 HP	Non use
35-11-367	Motor	1	Alternating induction	Voltage: 220 V R.P.M. 1140 Rated HP : 15	Non use
35-11-372	Primary electric power transmission & distribution equipment	1	Transformer indoor type	20 K.V.A.	Non use
35-11-373	Ditto	1	Ditto	20 K.V.A.	Non use
35-11-375	Misc. metal working equipment	1	Electroplating	Len- Width Height gth 6' x 29" x 32"	T. O.
35-11-376	Ditto	1	Ditto	Len- Width Height gth 31" x 22" x 25" Capacity 10V x 20A	T. O.
35-11-379	<i>Boring and mortising machine</i>	1		<i>Greatest boring capacity 0.5"</i>	T. O.
35-11-380	Wood planing machine	1		Edge width 12"	T. O.
35-11-381	Automatic planing machine	1	Cutting 3 sides	Edge width 18"	T. O.
35-11-382	Ditto	1	Ditto	Edge width 16"	T. O.
35-11-383	D.C. electric welding machine	1	D. P. C	Phase induction motor out put: 15 HP Voltage: 220 V R.P.M. : 1800	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-384	D.C. electric welding machine	1	D. P. C	Phase induction motor out put: 15 HP Voltage: 220 V R.P.M. : 1800	T. O.
35-11-386	Turret, lathe	2		Length of bed: 8 shaku Height of center: 8"	T. O.
35-11-388	Electric drill	2	E. D. B	$\frac{1}{2}$ HP	T. O.
35-11-389	Ditto	2	Ditto	$\frac{3}{4}$ HP	T. O.
35-11-390	Ditto	2		$\frac{1}{2}$ HP	T. O.
35-11-391	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-392	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-393	Ditto	1		$\frac{1}{2}$ HP	T. O.
35-11-394	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-395	Ditto	1		$\frac{3}{4}$ HP	T. O.
35-11-396	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-397	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-398	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-399	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-400	Ditto	1		1 HP	T. O.
35-11-401	Electric grinder	2	P.G.	$\frac{3}{4}$ HP	T. O.
35-11-402	Ditto	2		$\frac{1}{2}$ HP	T. O.
35-11-403	Milling machine	2	Vertical type	Length of bed 1,200mm Width of bed 295mm	T. O.
35-11-404	Ditto	2	Ditto	Ditto	T. O.
35-11-405	Circular saw with adjustable table	1		Dia. of saw 16"	T. O.
35-11-406	Ditto	1		Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-407	Circular saw with adjustable table	1		Dis. of saw 16"	T. O.
35-11-608	Atomic hydrogen welder	1		Len- Width Height gth 780mmx670mmx710mm	T. O.
35-11-609	Electric welder	1		Len- Width Height gth 920mmx750mmx560mm	T. O.
35-11-610	Crane	2		Len- Width Height gth 1200mmx1250mmx2600mm /1 ton	T. O.
35-11-612	Surface plate	2		Len- Width Height gth 1800mmx1000mmx160mm	T. O.
35-11-613	Ditto	2		Ditto	T. O.
35-11-614	Ditto	2		Ditto	T. O.
35-11-615	Ditto	2		Ditto	T. O.
35-11-616	Ditto	2		Ditto	T. O.
35-11-617	Ditto	2		Ditto	T. O.
35-11-618	Ditto	2		Len- Width Height gth 1800mmx1200mmx160mm	T. O.
35-11-619	Ditto	2		Len- Width Height gth 1800mmx900mmx200mm	T. O.
35-11-620	Ditto	2		Ditto	T. O.
35-11-621	Ditto	2		Ditto	T. O.
35-11-622	Ditto	2		Ditto	T. O.
35-11-623	Ditto	2		Len- Width Height gth 3600mmx1500mmx300mm	T. O.
35-11-624	Ditto	2		Len- Width Height gth 1170mmx800mmx120mm	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-625	Surface plate	2		Len- Width Height gth 1200mmx920mmx150mm	T. O.
35-11-626	Ditto	2		Len- Width Height gth 2500mmx1250mmx260mm	T. O.
35-11-627	Ditto	2		Len- Width Height gth 1100mmx1300mmx150mm	T. O.
35-11-628	Ditto	2		Ditto	T. O.
35-11-629	Ditto	2		Ditto	T. O.
35-11-630	Electric drill	2		$\frac{1}{2}$ HP	T. O.
35-11-631	Ditto	2		$\frac{1}{2}$ HP	T. O.
35-11-632	Electric grinder	2		$\frac{3}{4}$ HP	T. O.
35-11-633	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-634	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-635	Ditto	2		$\frac{3}{4}$ HP	T. O.
35-11-636	Oil switch	1		3,300V x 100A	T. O.
35-11-637	Ditto	1		Ditto	T. O.
35-11-638	Ditto	1		Ditto	T. O.
35-11-639	Ditto	1		Ditto	T. O.
35-11-640	Ditto	1		220V x 400A	T. O.
35-11-641	Ditto	1		600V x 250A	T. O.
35-11-642	Ditto	1		220V x 50A	T. O.
35-11-643	Ditto	1		Ditto	T. O.
35-11-644	Ditto	1		Ditto	T. O.
35-11-645	Ditto	1		Ditto	T. O.
35-11-646	Ditto	1		Ditto	T. O.

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Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-647	Oil switch	1		220V x 50A	T. O.
35-11-648	Ditto	1		Ditto	T. O.
35-11-649	Ditto	1		Ditto	T. O.
35-11-650	Ditto	1		220V x 30A	T. O.
35-11-651	Ditto	1		Ditto	T. O.
35-11-652	Ditto	1		Ditto	T. O.
35-11-653	Ditto	1		Ditto	T. O.
35-11-654	Ditto	1		Ditto	T. O.
35-11-655	Ditto	1		Ditto	T. O.
35-11-656	Ditto	1		Ditto	T. O.
35-11-657	Ditto	1		Ditto	T. O.
35-11-658	Ditto	1		Ditto	T. O.
35-11-659	Ditto	1		Ditto	T. O.
35-11-660	Ditto	1		Ditto	T. O.
35-11-661	Ditto	1		Ditto	T. O.
35-11-662	Ditto	1		Ditto	T. O.
35-11-663	Ditto	1		Ditto	T. O.
35-11-664	Ditto	1		Ditto	T. O.
35-11-665	Ditto	1		Ditto	T. O.
35-11-666	Ditto	1		Ditto	T. O.
35-11-667	Ditto	1		Ditto	T. O.
35-11-668	Ditto	1		Ditto	T. O.
35-11-669	Ditto	1		Ditto	T. O.
35-11-670	Ditto	1		Ditto	T. O.
35-11-671	Ditto	1		Ditto	T. O.
35-11-672	Ditto	1		Ditto	T. O.

- 9 -

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-673	Oil switch	1		220V x 30A	T. O.
35-11-674	Ditto	1		Ditto	T. O.
35-11-675	Ditto	1		Ditto	T. O.
35-11-676	Ditto	1		Ditto	T. O.
35-11-677	Ditto	1		Ditto	T. O.
35-11-678	Ditto	1		Ditto	T. O.
35-11-679	Ditto	1		Ditto	T. O.
35-11-680	Ditto	1		Ditto	T. O.
35-11-681	Ditto	1		Ditto	T. O.
35-11-682	Ditto	1		Ditto	T. O.
35-11-683	Ditto	1		220V x 150A	T. O.
35-11-684	Ditto	1		600V x 200A	T. O.
35-11-685	Ditto	1		220V x 100A	T. O.
35-11-686	Ditto	1		Ditto	T. O.
35-11-687	Ditto	1		Ditto	T. O.
35-11-688	Ditto	1		Ditto	T. O.
35-11-689	Ditto	1		Ditto	T. O.
35-11-690	Ditto	1		Ditto	T. O.
35-11-691	Ditto	1		Ditto	T. O.
35-11-692	Ditto	1		Ditto	T. O.
35-11-693	Ditto	1		Ditto	T. O.
35-11-694	Ditto	1		Ditto	T. O.
35-11-695	Ditto	1		Ditto	T. O.
35-11-696	Ditto	1		Ditto	T. O.
35-11-697	Ditto	1		Ditto	T. O.
35-11-698	Ditto	1		Ditto	T. O.

- 10 -

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-699	Oil switch	1		220V x 100A	T. O.
35-11-700	Ditto	1		Ditto	T. O.
35-11-701	Ditto	1		Ditto	T. O.
35-11-702	Ditto	1		Ditto	T. O.
35-11-703	Ditto	1		Ditto	T. O.
35-11-704	Ditto	1		Ditto	T. O.
35-11-705	Ditto	1		Ditto	T. O.
35-11-706	Ditto	1		Ditto	T. O.
35-11-707	Ditto	1		Ditto	T. O.
35-11-708	Ditto	1		Ditto	T. O.
35-11-709	Ditto	1		Ditto	T. O.
35-11-710	Ditto	1		Ditto	T. O.
35-11-711	Ditto	1		Ditto	T. O.
35-11-712	Ditto	1		Ditto	T. O.
35-11-713	Ditto	1		Ditto	T. O.
35-11-714	Ditto	1		Ditto	T. O.
35-11-715	Ditto	1		Ditto	T. O.
35-11-716	Ditto	1		Ditto	T. O.
35-11-717	Ditto	1		Ditto	T. O.
35-11-718	Ditto	1		Ditto	T. O.
35-11-719	Ditto	1		Ditto	T. O.
35-11-720	Ditto	1		Ditto	T. O.
35-11-721	Ditto	1		Ditto	T. O.
35-11-722	Ditto	1		Ditto	T. O.
35-11-723	Electric distributor	1		460m/mx58cm/m	T. O.

- 11 -

Inventory No.	Name of machine	Class	Type	Operating dimensions	Distinction of operation or non use
35-11-724	Electric distributor	1		540m/mx690m/m	T. O.
35-11-725	Ditto	1		134m/mx140m/m	T. O.
35-11-726	Ditto	1		500m/mx490m/m	T. O.
35-11-727	Ditto	1		480m/mx588m/m	T. O.
35-11-728	Electric furnace	1		14kw x 220v 25kw x 200v	T. O.

Total: 215 machines

M1-11 Shiga
35-11

Report on Rescission of Authorized Use Equipment

Date: 15th June, 1950

Plant Name and Location: (Code No. 35-11)

No.46 Ishiyama Kitaoji-cho, Otsu,
Shiga Pref.

Toyo Rayon Co., Ltd., Toyo Machinery
Works.

User:

Ichiro, Nemoto

Chief of Toyo Machinery Works

Reason of Rescission:

Decrease of order for repair of
rolling-stock.

Total No. of Rescinded Equipment: 7 machines.

Name of Reporter:

Iwanaga
(IWAO IWANAGA)
For The President
MANAGING DIRECTOR
TOYO RAYON CO., LTD.

List of Reseinded Equipment

Inventory No.	Name of Equipment	Remarks
35-11- 4	Lathe	
35-11- 5	Lathe	
35-11-11	Lathe	
35-11-16	Lathe	
35-11-17	Lathe	
35-11-20	Lathe	
35-11-326	Grinding machine	
Total		7 machines

MI-1d Shiga
35-11HEADQUARTERS
KINKI CIVIL AFFAIRS REGION
APO 25 (Osaka, Honshu)

17 February 1950

SUBJECT: Applications for Funds for Maintenance Work

TO: Chief
Civil Affairs Section
GHQ, SCAP
APO 500

1. Herewith transmitted are five (5) applications from reparations plants in Shiga Prefecture requesting allocation of funds to perform maintenance work.

2. Facts learned from investigation of the applications are as follows:

a. Hikone 1st Works, 35-2, and Hikone 2nd Works, 35-3, of the Omi Industry Co. (Incl. No. 1)

(1) 37 items at 35-2 and 48 items at 35-3 require attention. Funds requested in the application are excessive. It is estimated that 42,000 yen will be adequate to attain minimum standards.

b. Matsushita Metal Co., 35-6 (Incl. No. 2)

(1) 33 items require maintenance as cited in the application. The 20,973 yen approved by the District Office is considered reasonable.

c. Chiyoda Sangyo Co., 35-7 (Incl. No. 3)

(1) 64 items require attention. It is estimated that 29,000 yen will be adequate to provide necessary cleaning and greasing.

d. Shoun Kosakusho Co., 35-8 (Incl. No. 4)

(1) Rust on bearing surfaces is prevalent. The

Hq Kinki Civil Affairs Region, APO 25

17 Feb 50

Subj: Application for Funds for Maintenance Work

70,225 yen approved by the District Office, representing approximately 400 yen each for 175 items, is considered reasonable.

2. Toyo Rayon Co., 35-11 (Incl. No.5)

- (1) Corrosion was evident on bearing surfaces of the 49 items cited in the application. However, the money amount approved by the District Office is considered excessive. It is estimated that 24,500 yen, representing 500 yen per item, will be adequate to restore the equipment to acceptable condition.

3. Encumbrance of funds based on criteria cited in preceding paragraph is recommended.

FOR THE CHIEF:

5 Incls:
Appl. as above

STERLIN C. MOORE
Major Inf
Deputy Chief

Hq Kinki Civil Affairs Region, APO 25
Subj: Application for Funds for Maintenance Work

17 Feb 50

70,225 yen approved by the District Office, representing approximately 400 yen each for 175 items, is considered reasonable.

2. Toyo Rayon Co., 35-11 (Incl. No.5)

- (1) Corrosion was evident on bearing surfaces of the 49 items cited in the application. However, the money amount approved by the District Office is considered excessive. It is estimated that 24,500 yen, representing 500 yen per item, will be adequate to restore the equipment to acceptable condition.

3. Encumbrance of funds based on criteria cited in preceding paragraph is recommended.

FOR THE CHIEF:

5 Incls:
Appl. as above

STERLIN C. MOORE
Major Inf
Deputy Chief

Memo to Mr. Sussemann

From: Mr. Armstrong

1. Inspection of machinery at reparation installation 35-11.

2. This plant has applied for ¥43,397 for cleaning, greasing and removing rust spots for 49 out of 212 items of evaluated and inventoried equipment in storage.

3. The 49 items require some attention to prevent deterioration. These machine are for the most part large size and ¥500 per machine should be sufficient to cover cost of maintenance instead of the amount requested.

A. Armstrong

0/34

Application for Maintenance Work

Kind of work Maintenance

Project Number: Non

Plant Name: Toyo Rayon Co., Ltd., Shiga Factory (35-11.)

Plant Address: No. 46 Ishiyama Kitaoji-cho, Otsu, Shiga Pref.

Description of work for which funds are requested:

Maintenance work of reparation machines

Justification for request:

We did not take care the equipment for many months therefore we fixed and maintenance part of the equipment (49 machines)

Cost estimate:

	<u>Custodian</u>	<u>District Office</u>	<u>Ministry</u>
Materials Cost	¥19,037.58	¥19,037.58	¥
Labor Cost	¥24,360.00	¥24,360.00	¥
Transportation Cost	¥ 0	¥ 0	¥
Miscellaneous Expenses	¥ 0	¥ 0	¥
Total	¥43,397.58	¥43,397.58	¥

Estimated by (Custodian) [Signature] dated Feb. 2, 1950

Check by (District Office) [Signature] dated Feb. 2, 1950

Check by (Ministry) _____ dated _____

Approved by Reparations Agency _____ dated _____

Approved by Civil Affairs Team _____ dated _____

Approved by C.P.C. _____ dated _____

Application for Maintenance Work
 Kind of work Maintenance

Project Number: Non

Plant Name: Toyo Rayon Co., Ltd., Shiga Factory (25-11)

Plant Address : No. 46 Ishiyama Kitaoji-cho, Otsu, Shiga Pref.

Description of work for which funds are requested:

Maintenance work of reparation machines

Justification for request:

We did not take care the equipment for many months therefore we fixed and maintenance part of the equipment (49 machines)

Cost estimate:

	<u>Custodian</u>	<u>District Office</u>	<u>Ministry</u>
Materials Cost	¥19,037.58	¥19,037.58	¥
Labor Cost	¥24,360.00	¥24,360.00	¥
Transportation Cost	¥ 0	¥ 0	¥
Miscellaneous Expenses	¥ 0	¥ 0	¥
Total	¥43,397.58	¥43,397.58	¥

Estimated by (Custodian) M. Saito dated Feb. 2, 1950
 Check by (District Office) R. Katagawa dated Feb. 2, '50
 Check by (Ministry) _____ dated _____
 Approved by Reparations Agency _____ dated _____
 Approved by Civil Affairs Team _____ dated _____
 Approved by C.P.C. _____ dated _____

賠償指定一時使用機械調査

会社名 東洋レーヨン株式会社

調査日 昭和24年10月6日

P.1

番	號	機 械 名	級 別	備 考
35 - 11 -	10	旋 盤	2	昭和23年6月21日附を以つて使用許可 申請せる處昭和24年3月18日附を以つ て一時使用許可があつた (以下59台)
	66	"	2	
	67	"	2	
	100	"	2	
	103	"	2	
	104	"	2	
	111	"	2	
	112	"	2	
	116	"	2	
	117	"	2	
	126	"	2	
	130	"	2	
	131	"	2	
	132	"	2	
	133	"	2	
	134	"	2	
	135	"	2	
	136	"	2	
	138	"	2	
	150	"	2	
	152	"	2	
	153	"	2	
	154	"	2	
	160	"	2	
	169	"	2	
	172	"	2	
	178	"	2	
	180	タ ー レ ッ ト 旋 盤	1	
	194	フ ラ イ ス 盤	2	

7-1
II-28

22

番	號	機 械 名	級 別	備 考
35 - 11 -	201	フ ラ イ ス 盤	1	(前頁と同一)
	223	"	2	
	227	"	2	
	229	"	2	
	230	"	2	
	232	形 削 盤	2	
	234	"	1	
	239	"	1	
	253	盤 削 盤	1	
	258	"	1	
	281	水 一 ル 盤	2	
	288	"	2	
	289	"	1	
	293	"	1	
	295	"	1	
	296	"	2	
	300	"	1	
	316	"	1	
	317	"	1	
	318	"	1	
	319	"	1	
	320	"	1	
	329	研 磨 盤	1	
	332	"	1	
	333	"	1	
	339	"	1	
	341	齒 切 盤	1	
	343	"	1	
	375	夕 口 一 人 鍍 金 装置	1	

I-21

II-8

23

番	號	機 械 名	級 別	備 考
35	11	376 一般鍍金装置	1	(前頁と同一) 計59台 昭和24年6月23日附を以つて一時使用 許可申請せる處即日許可があつた (以下29台)
		377 移轉用空氣壓縮機	1	
		379 木工角孔機	1	
		380 手 押 鋸	1	
		381 自動三方削盤	1	
		382 自動平削盤	1	
		383 單式直流電弧熔接機	1	
		384 /	1	
		385 電氣スポット熔接機	2	
		386 ターレット旋盤	2	
		388 移轉用電氣ボール	2	
		389 /	2	
		390 /	2	
		391 /	1	
		392 /	1	
		393 /	1	
		394 /	1	
		395 /	1	
		396 /	2	
		397 /	2	
		398 /	2	
		399 /	2	
		400 /	1	
		401 移轉用電氣グラインダー	2	
		402 /	2	
		403 盤型フライス盤	2	
		404 /	2	
		405 木工傾斜盤	1	
		406 /	1	

I-16

II-13

P.4

番	號	機 械 名	級 別	備 考
35-11-	407	木 工 傾 斜 盤	14	(前頁と同一) 計 29台 ↓ 120台 5月 日
	508	水 素 溶 接 機	1	
	509	高 周 波 電 弧 溶 接 機	1	
	510	移 動 ク レ ー ン	2	
	511	"	2	(以下 Non Inventory)
	512	定 盤	2	
	513	"	2	
	514	"	2	
	515	"	2	
	516	"	2	
	517	"	2	
	518	"	2	
	519	"	2	
	520	"	2	
	521	"	2	
	522	"	2	
	523	"	2	
	524	"	2	
	525	"	2	
	526	"	2	
	527	"	2	
	528	"	2	
	529	"	2	
	530	電 氣 ボ ー ル	2	
	531	"	2	
	532	電 氣 グ ラ イ ン ダ ー	2	
	533	"	2	
	534	"	2	
	535	"	2	

I-3

II-26

R.5

番	號	機 械 名	級 別	備 考
35-11-	636	油 入 開 閉 器	1	(前頁と同一)
	637	"	1	
	638	"	1	
	639	"	1	
	640	"	1	
	641	"	1	
	642	"	1	
	643	"	1	
	644	"	1	
	645	"	1	
	646	"	1	
	647	"	1	
	648	"	1	
	649	"	1	
	650	"	1	
	651	"	1	
	652	"	1	
	653	"	1	
	654	"	1	
	655	"	1	
	656	"	1	
	657	"	1	
	658	"	1	
	659	"	1	
	660	"	1	
	661	"	1	
	662	"	1	
	663	"	1	
	664	"	1	

I-29
II 0

P.6

番 號	機 械 名	級 別	備 考
35-11-565	油 入 開 閉 器	1	(前頁と同一)
566	"	1	
567	"	1	
568	"	1	
569	"	1	
570	"	1	
571	"	1	
572	"	1	
573	"	1	
574	"	1	
575	"	1	
576	"	1	
577	"	1	
578	"	1	
579	"	1	
580	"	1	
581	"	1	
582	"	1	
583	"	1	
584	"	1	
585	"	1	
586	"	1	
587	"	1	
588	"	1	
589	"	1	
590	"	1	
591	"	1	
592	"	1	
593	"	1	

I-29
II-0

27

番	號	機 械 名	級 別	備 考
35 - 11 -	694	油 入 開 閉 器	1	(前頁と同一)
	695	"	1	
	696	"	1	
	697	"	1	
	698	"	1	
	699	"	1	
	700	"	1	
	701	"	1	
	702	"	1	
	703	"	1	
	704	"	1	
	705	"	1	
	706	"	1	
	707	"	1	
	708	"	1	
	709	"	1	
	710	"	1	
	711	"	1	
	712	"	1	
	713	"	1	
	714	"	1	
	715	"	1	
	716	"	1	
	717	"	1	
	718	"	1	
	719	"	1	
	720	"	1	
	721	"	1	
	722	"	1	

I-29
II-0


P. 8

番 號	機 械 名	級 別	備 考
35 - 11 - 723	分 電 盤	1	(前頁と同一)
724	"	1	
725	"	1	
726	"	1	
727	"	1	
			計 120 台

I-5
II-0

一時使用許可第一回	59 台	} I-133 } = 208 II-75 }
" 第二回	29 台	
" 第三回	120 台	
一時使用許可機械 合計	208 台	

① 35-11 Toyo Rayon

All Temporality Operation Machine 

寫
滋賀縣商工課 御中

昭和二十四年十月八日

滋賀民部
課 御中

賠償指定一時使用機械調書提出の事
去る六日貴課より御指示ありました標記和文調書貳部提出致
します。

以上

東洋レーヨン株式会社
東洋機械工業所

大津市石山北大路町四六ノ四
東洋レーヨン株式会社
東洋機械工業所



LMP

Hayashi
File

3 October 1949

To : Commanding Officer, Shiga Civil Affairs Team
From : Masazumi Miyajima, Chief of Otsu Fire Defense Office
Subject: Report on Explosion Case of Carbon Dioxide

1. Place of Accident:

Kitaoji, Otsu City, which falls under our jurisdiction. Private drainage of Shiga Plant, Toyo Rayon Co., as per attached sketch.

The ground over the drain is partly a road leading to plant gate, the rest being vegetable field cultivated by farmers.

2. Time of Accident:

1530, 30th Sept. 1949

3. Information Received and Consecutive Measures Taken:

Information was received at 1608, 30th Sept. from nearby resident through public phone on the explosion accident at Toyo Rayon Co. and 2 fire-engines with staff including chief of Fire Brigade *ran to the spot immediately.*

4. Cause of Accident:

Explosion had ceased, when they ^{reached} appeared at the spot. A part of private road was suspended for traffic but ^{after} ~~often~~ investigating the political explosion and recognizing no further danger, traffic was resumed. Since then inquiries were made into the cause. Mukaiyama, Sadataka, chief charge of dangerous objects, instructed Nakamura Rakuzo (38-Year-Old) also in charge of the above, to transfer into storage tank

in the compounds of the plant around 146 tons Carbon Dioxide, which reached there with freight-car loaded on private track at around 1100 on the same day. Nakamura arranged to transfer them by mistake into No.2 tank with capacity of 22 tons instead of No. 1 tank with 6 tons, into which they ^{should} have been transferred. He left the spot for his lunch, although the operation was not completed. When he came back there around at 1300, it was found that around 3 tons Carbon Dioxide had overflowed from the tank, running into the drain, which led to the Seta River. The distance covers around 1,153.5 meters. (Refer to attached sketch)

Annoyed with bad-smelling, nearby residents at the outlet of drain into the Seta River informed the matter to the plant. The man in charge was sent at once and further Teizo Takahashi (48 years old), sub-chief of Manufacturing Dept. and chief of Experiment Section and 2 others followed. During their check-up, explosion occurred at the outlet at around 1550 with successive ones at four places.

Waste water running in the drain is usually at 30° to 36° C. It was around 34° on that day, which we suppose suitable for its spontaneous combustion, seeing ignition temperature of carbon dioxide be at 38°. At the time of their investigation, Sonoda was smoking, but knowing running water be carbon dioxide, rubbed out his cigarette. He confirmed that after doing so, explosion occurred. Seeing those peo-

ple are not hurt at all, it is considered the spontaneous combustion to be the case.

5. Damage Condition

No casualties occurred to men or beasts. Number of houses, where glass panes and others were damaged, was 11.

6. Amount of Damages

Around 3 tons Carbon Dioxide, which overflowed
¥30,000 at official price per ton, ¥90,000

House damages around ¥30,000

7. Future Measures

Stern notice was given to the plant men for its handling in the future.

8. The explanation given by the men who checked the spot.

Takahashi, Teizo , Sub-chief of Manufacturing
Dept. and chief of Experiment Section

We, three men, looked into the drainage and other places in the plant compounds but nothing serious was found there. Since then, I instructed Kumagai to pick up some water into a bottle on the way to the outlet. At the spot there, glistering water was seen, which we confirmed to be carbon dioxide, as it was only after we had looked into the plant.

Kumagai, Shigezo

in charge of drainage

We were investigating the cause of explosion. Anyhow

the place where we were at the time of explosion, is absolutely true. Sometimes Carbon Dioxide on the floor happens to explode simply by sweeping. I suppose that rust on the inside of lid may have dropped and promoted to explode it, or the lid untightly closed may have caused it by clinking.

9. Guilty or not

Based upon our protocol, the Chief of Otsu Police Station has concluded that Nakamura Rokuzo is guilty under Criminal Code, Article 117. In accordance with Fire Prevention Law, Article 35, I inform you the matters for your adequate measures.

Translated by F. Ichimura

東洋レーヨン株式会社滋賀工場専用暗梁口
(別添略図参照)但し暗梁の上は一部は工場内通過
用道路巾約三間半一部は民間の野采畑に利用中のもの

大津市消防署

二、事故発生日時

昭和三十四年九月三十日午後三時三十分頃

三、事故発生の通報と大津市消防署の措置

昭和三十四年九月三十日午後四時八分附近住民より

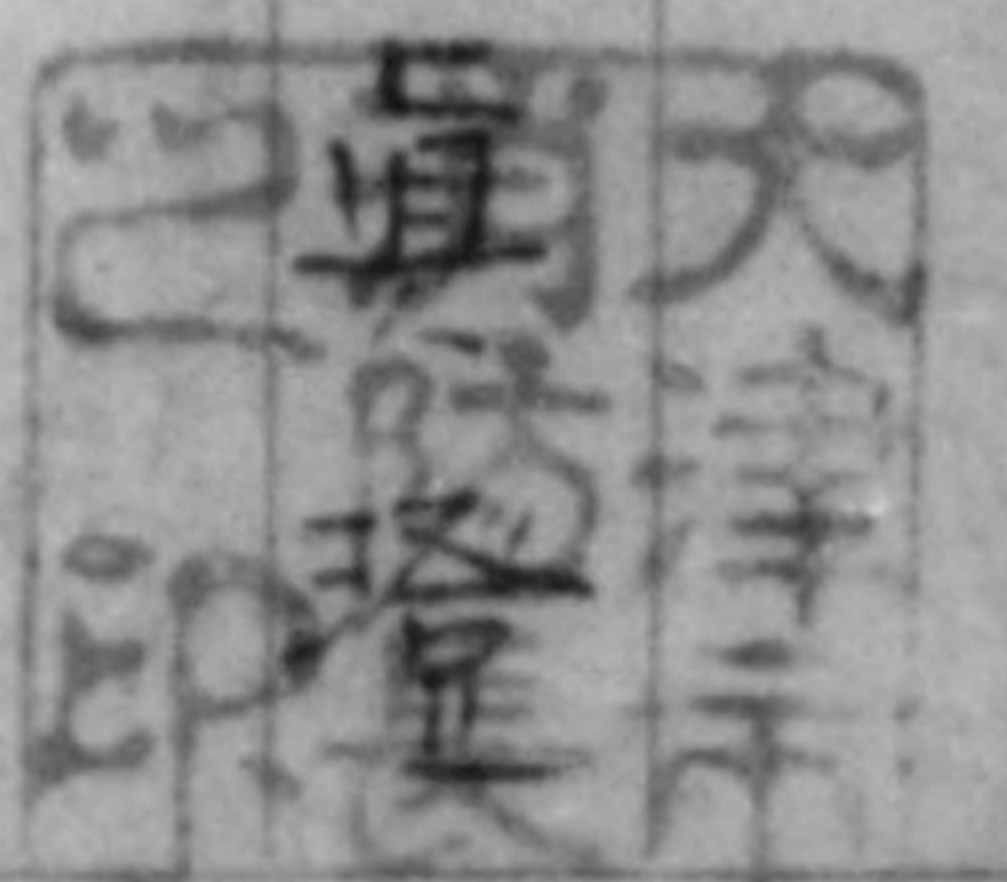
公衆電話にて東洋レーヨン会社の爆発事故発生の通
報を受け直ちに消防長以下職員は消防自動車二
台緊急発動し現場へ赴きたり

四、事故発生の原因

緊急発動し現場へ赴きたる時は爆発は終り一部
会社専用用道路は一時交通禁止しありて再爆発
の危険状況を調査せしむ爆発の危険解消したる
ものと認め交通禁止を解除すると同時に原因の調査
を行はるる処
同日午前十時頃工場内鉄道
引込線より貨車輸送された二硫化炭素(約四六

昭和二十四年十月三日

大津市消防長 宮嶋



滋賀民事部部長

国家消防官

滋賀縣知事

殿

大津市長

大津市警察署長

一 事故発生日時
二 硫化炭素の爆発事故発生に伴報告(通報)

管下大津市北大路

東洋レーヨン株式会社滋賀工場専用暗梁口
(別添略図参照)但し暗梁の上は一部は工場内(通)
用道路巾約三間半一部は民間の野采畑と利用中のもの

大津市消防署

二 事故発生日時

昭和二十四年九月三十日午後三時三十分頃

三 事故発生通報と大津市消防署の措置

昭和二十四年九月三十日午後四時八分附近住民より

氣が奔散し居るため工場側へ通報せしめより工場側より直ちに專向擔當者が現場へ出張吏と工場製造部次長兼試験課長高橋貞三

大津市消防署

当四十八年今排水係長園田玉蔵当四十九年係員熊谷繁蔵四十年の附近を調査中午後三時五分頃排水口(略田谷與)のマンホールより爆発し引續き四ヶ所の順次爆発したるもの有り
暗渠及び流路しある排水は第二種過池より排水しこの水温は平素攝氏三十度より三十六度程度とし當日は凡そ三十四度程度の水温とあり三硫化炭素の引火点過度は三十八度とてこの間自然爆発に近き状況にありたるものと推言せらるるが調査班中の園田係長が調査の際突煙し居りたるが三硫化であることを知り直ちに煙草を手で揉み消した事実あるも消した後より前記の場所で爆発したことを確認した旨自供し本人等は何かも負傷等もやつて居らるる間係上自然爆発と見らるるが通

噸積載)を同工場の貯蔵所より移送作業
を同工場従業員たる危険物取扱主任向山定孝
が深員たる中村六蔵当三十八年に命じたるが中村
は貯蔵所約六噸入りのタンクに移送すべきものを誤
りて約二噸入りのタンクに切替作業を命じ中途に
於て晝食のため現場より退去午後一時頃再び現
場へ来たるとするときは既に貯蔵所より約三噸の
硫水瀨田川に流れたるものでこの距離(別添略図参
照)は約一、一五三、五米ありたり

最終に瀨田川の排水附近の住民は異様な臭
氣が奔散し居るため工場側へ通報せしめより工
場側より直ちに専門担当者現場へ出張更
に工場製造部次長兼試験課長高橋貞三

大津市消防署

当四十八年今排水係長園田玉蔵当四十九年係
員熊谷繁蔵四十年が附近を調査中午後三時五
分頃排水口(略田谷與)のマンホールより爆発し引
續き四ヶ所の順次爆発したるものなり

工場當局と対しその取扱を嚴重とせしむる
よう警告を與へ置きたり

八現場を調査せし係員は左記の如く説明せり

製造部次長兼試験課長 高橋貞三

大津市消防署

私達三名は工場内を再調査致しました。排水施設周辺及び工場
使用現場にて異状を認めず湖畔の現場を調査致すべく、
湖畔道路横マンホール口を開き、熊谷を以て排水を検査す
べく瓶に汲取らし、蓋を乃しく桶の道より道路下とあり川
ニ突发た排出口と發り初めて水に浮く粒のやみつたがらう
を發見ニ硫化であると確認せしと、後方とありて爆音を
その時湖畔道路上等とある人を覺えす

(マンホール口より煙のごとく、蒸氣のごときものが上つてきたの
は認めるが工場内調査の結果とあり、まさかニ硫化とは判断し得な
かつた)

排水係長 園田玉蔵

私は、高橋課長と熊谷係員と三名にて工場内を調査の結果
異状を認めず、大丈夫であると思ひ、湖畔の現場と發る途
次、湖畔より約三丁程手前瓦屋附近にて煙草に火を
つけ、突煙のまゝ現場と發り、高橋課長と熊谷とのマンホール

當の思料せらるゝ

五 被害状況

人畜に被害なし

人家はマンホール附近の住宅として硝子硝子

等破損せる家屋 十一件

六 損害高

バーバールした二硫化炭素約三噸

一噸② 三萬圓方ればこの損害は九萬圓

家屋の損害約三萬圓程度

七 今後の措置

工場當局に対しその取扱を嚴重とせしむる

より警告を與え置きたり

八 現場を調査せし係員は左記の如く説明せり

製造部次長兼試験課長 高橋貞三

大津市消防署

私達三名は工場を再調査致しました。排水槽週り及び工場
使用現場にて異状を認めず。湖畔の現場を調査致すべく参り
湖畔道路横マンホール口を崩さ。熊谷を以て排水を検査す
べく瓶に汲取りし蓋を乃く横の道より道路下とあり川

(煙草を消したのには排出口の先端の所までおらくくを見て
すぐ消したので消したのにはその場所でも同達ありまけん)

係員 熊谷繁蔵

私達も今回の爆発をどうして原因を調査してあるのですか
私達の三名の爆発時のあつた場所等は絶対にお同達各
く二硫化の爆発等は床の上と流水たのを幕とて掃
くだけでも発火するこどもあり

蓋を用いた時の錆の内部と落下し爆発を助成す
る作用か 或は私達の蓋のしがたが悪つたのであつ

大津市消防署

よりがたりとして引火したのではなかつたかと思ひます

九 犯罪の有無

大津市警察署署長に於ては以上當職の調
査に基き、工員中村六蔵は刑法第百十七條の被
疑事件に該當すると認めらるゝを以て消防法第
三十五條によりこゝに通報致しますから適當なる
御措置を御願ひする

口を用き排水検査のための排水汲取を見て先頭を立
て川に突き出た排出口の先端に於り水はうくざら
しを認め初めてニ硫化であることを知り存してあつた
煙草も手で採み消しし手にて水を掬ひ上げニ硫化を
確認せしとき後方にて爆音を知り爆音を知ら
(煙草を消したのには排出口の先端の所にてざらくを見て
すぐ消したので消したのにはその場所でも同達ありまけん)

係員 熊谷繁蔵

私達も今回の爆発をどうも原因を調査してあつたのですか
私達の三名の爆発時めあつた場所等は絶対的に関連な
くニ硫化の爆発等は床の上と流れたのを幕にて掃
くだけでも発火することもあり

蓋を用いた時の錆の内部と落下し爆発を助成す
る作用か 或は私達の蓋のしかたが悪かつたのであつ

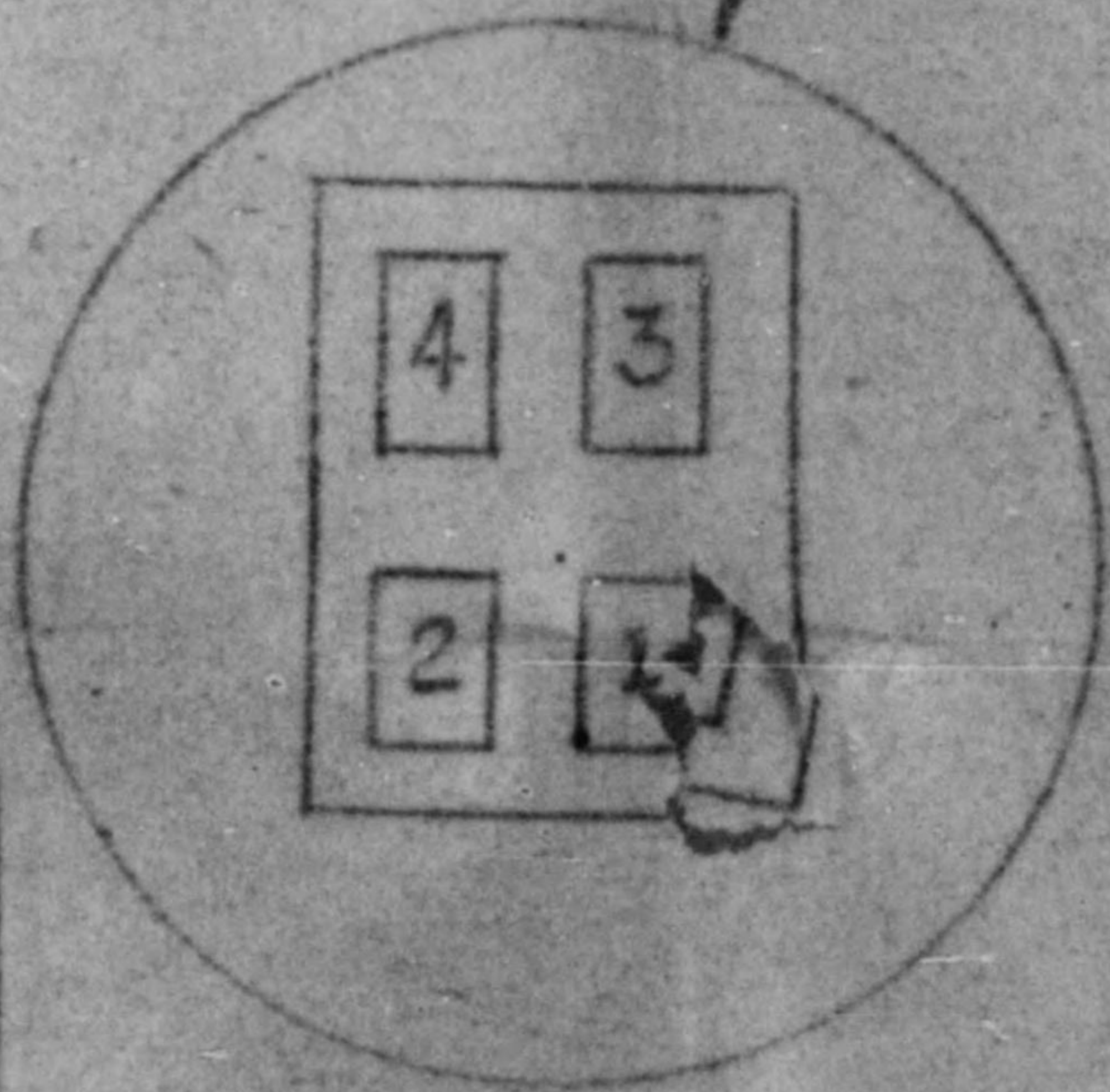
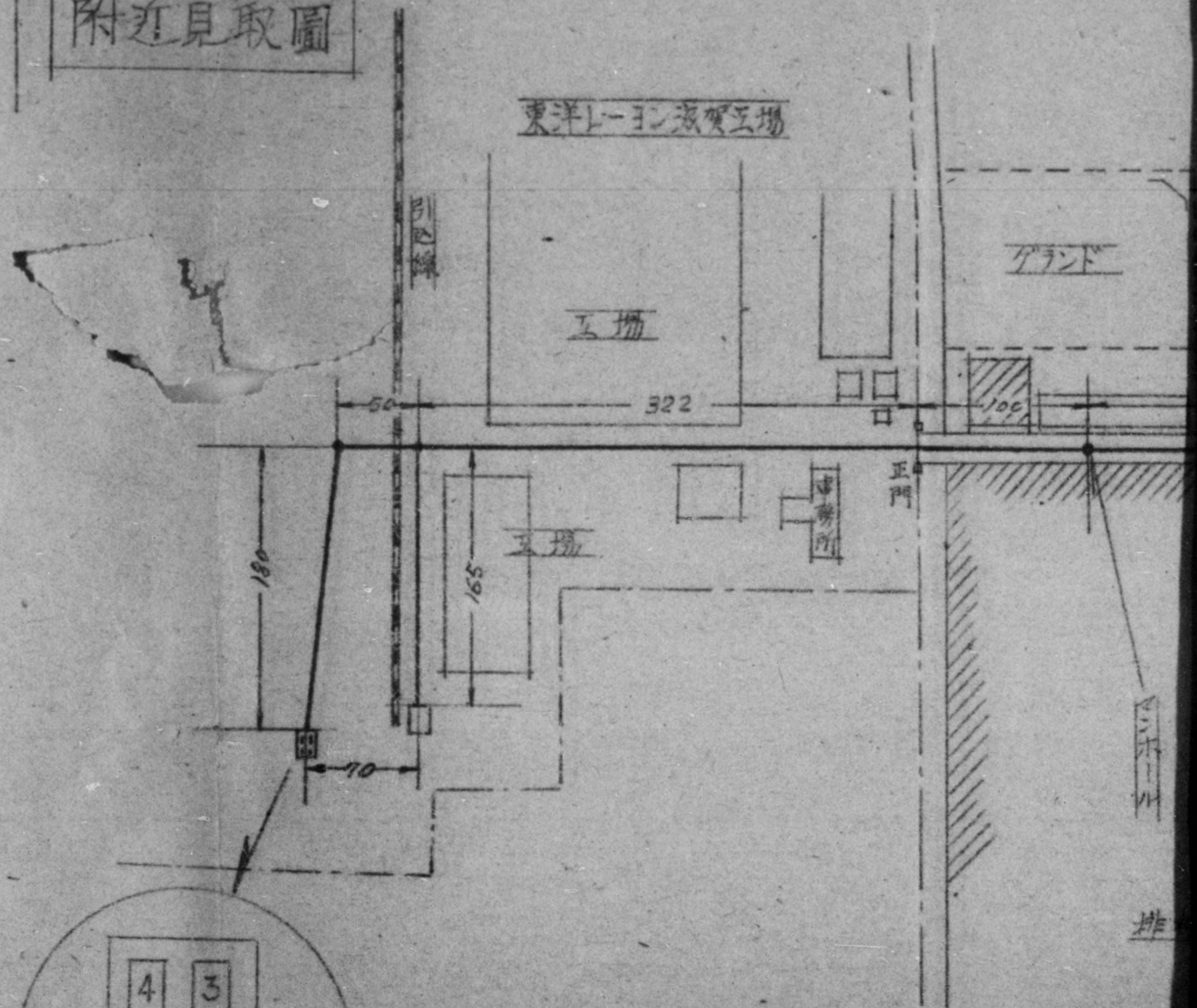
大津市消防署

よりがスリとして引火したのでは右いかとも思ひます

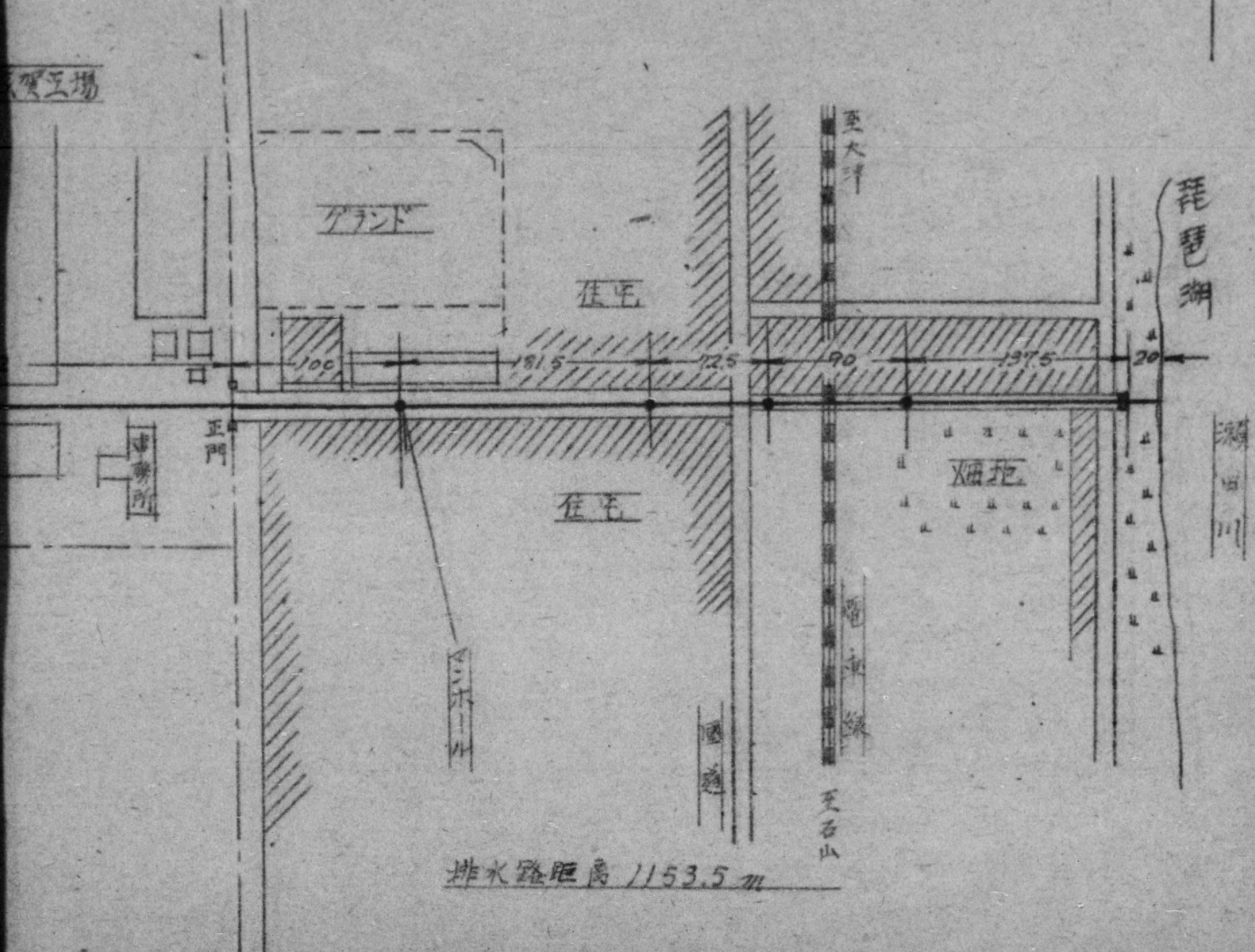
九 犯罪の有無

大津市警察署署長と於ては以上當職の調
査に基づき工員中 村六蔵は刑法第百十七條の被

附近見取圖



4ヶ所配置図



September 30, 1949

REPORT ON OPERATION

TO: Shiga Civil Affairs Team
(Through Shiga Prefectural Office)

<u>Description</u>	<u>Quantity</u>	<u>Price (¥)</u>
Concentrated sulphuric acid	-	-
Manufacture of tank cars	14 cars	7,260,000
Repair of tank cars	11 cars	76,910
Repair of electric car	1 car	124,000
Manufacturing and repairing for accessory parts of rayon machine	8,604 pieces	17,929,297
Machineries and their for manufacturing and repairing Amilan	272 pieces	1,113,221
Others	243 pieces	2,253,248
Total		28,756,676

Operational Condition

The second plant of sulphuric acid destined for reparation has not been operated as before, being watched by guards.

Toyo Rayon Co., Ltd., Shiga Factory

H. Katsura

(HIROSHI KATSURA)

Head of General Affairs Section

HEADQUARTERS
SHIGA CIVIL AFFAIRS TEAM
APO 25, Unit 3, (Otsu, Honshu)

In Reply
Refer to

SH-499

14 September 1949

SUBJECT: Reparation Machines

THRU: Shiga Liaison Office, Shiga prefecture

TO: Toyo Rayon Co., Ltd., Ishiyama.

The following listed machines are designated as reparation machines. The necessary inventory sheets will be prepared.

<u>Adjst No.</u>	<u>Name of Equipment</u>	<u>Size and Capacity</u>
1.	Atomic hydrogen welder	16 K.V.A.
3.	Electric welder	15 K.W.
36.	Surface plate	1.8m x 1m x 0.16m
37.	Surface plate	1.8m x 1m x 0.16m
38.	Surface plate	1.8m x 1m x 0.16m
39.	Surface plate	1.8m x 1m x 0.16m
40.	Surface plate	1.8m x 1m x 0.16m
41.	Surface plate	1.8m x 1m x 0.16m
42.	Surface plate	1.8m x 1.2m x 0.16m
43.	Surface plate	3.6m x 1.5m x 0.3m
44.	Surface plate	1.8m x 0.9m x 0.2m
45.	Surface plate	1.8m x 0.9m x 0.2m
46.	Surface plate	1.8m x 0.9m x 0.2m
47.	Surface plate	1.8m x 0.9m x 0.2m
48.	Surface plate	1.17m x 0.8m x 0.12m
49.	Surface plate	1.2m x 0.92m x 0.15m
50.	Surface plate	2.5m x 1.25m x 0.26m
51.	Surface plate	1.1m x 1.8m x 0.15m
52.	Surface plate	1.1m x 1.8m x 0.15m
53.	Surface plate	1.1m x 1.8m x 0.15m
54.	Crane	1 ton
55.	Crane	1 ton
75.	Electric drill	1/2 h.P.
76.	Electric drill	1/2 H.P.
97.	Electric grinder	3/4 H.P.
98.	Electric grinder	3/4 H.P.
99.	Electric grinder	3/4 H.P.
100.	Electric grinder	3/4 H.P.

SH-499
 Subject: Reparation Machines

13 Sep 49

119.	Oil switch	3300 V x 100A
120.	Oil switch	3300 V x 100A
121.	Oil switch	3300 V x 100A
122.	Oil switch	3300 V x 100A
132.	Oil switch	220 V x 400A
134.	Oil switch	600 V x 250A
136.	Oil switch	220 V x 50A
137.	Oil switch	220 V x 50A
138.	Oil switch	220 V x 50A
139.	Oil switch	220 V x 50A
140.	Oil switch	220 V x 50A
141.	Oil switch	220 V x 50 A
142.	Oil switch	220 V x 50 A
143.	Oil switch	220 V x 50A
144.	Oil switch	220 V x 30A
145.	Oil switch	220 V x 30A
146.	Oil switch	220 V x 30A
147.	Oil switch	220 V x 30A
148.	Oil switch	220 V x 30A
149.	Oil switch	220 V x 30A
150.	Oil switch	220 V x 30A
151.	Oil switch	220 V x 30A
152.	Oil switch	220 V x 30A
153.	Oil switch	220 V x 30A
154.	Oil switch	220 V x 30A
155.	Oil switch	220 V x 30A
156.	Oil switch	220 V x 30A
157.	Oil switch	220 V x 30A
158.	Oil switch	220 V x 30A
159.	Oil switch	220 V x 30A
160.	Oil switch	220 V x 30A
161.	Oil switch	220 V x 30A
162.	Oil switch	220 V x 30A
163.	Oil switch	220 V x 30A
164.	Oil switch	220 V x 30A
165.	Oil switch	220 V x 30A
166.	Oil switch	220 V x 30A
167.	Oil switch	220 V x 30A
168.	Oil switch	220 V x 30A
169.	Oil switch	220 V x 30A
170.	Oil switch	220 V x 30A
171.	Oil switch	220 V x 30A
172.	Oil switch	220 V x 30A
173.	Oil switch	220 V x 30A
174.	Oil switch	220 V x 30A
175.	Oil switch	220 V x 30A
176.	Oil switch	220 V x 30A
177.	Oil switch	220 V x 30A
178.	Oil switch	220 V x 30A

SH-499
Subject: Reparation Machines

13 Sep 49

177.	Oil switch	220 V x 150A
178.	Oil switch	600 V x 200A
179.	Oil switch	220 V x 100A
180.	Oil switch ⁸	220 V x 100A
181.	Oil switch	220 V x 100A
182.	Oil switch	220 V x 100A
183.	Oil switch	220 V x 100A
184.	Oil switch	220 V x 100A
185.	Oil switch	220 V x 100A
186.	Oil switch	220 V x 100A
187.	Oil switch	220 V x 100A
188.	Oil switch	220 V x 100A
189.	Oil switch	220 V x 100A
190.	Oil switch	220 V x 100A
191.	Oil switch	220 V x 100A
192.	Oil switch	220 V x 100A
193.	Oil switch	220 V x 100A
194.	Oil switch	220 V x 100A
195.	Oil switch	220 V x 100A
196.	Oil switch	220 V x 100A
197.	Oil switch	220 V x 100A
198.	Oil switch	220 V x 100A
199.	Oil switch	220 V x 100A
200.	Oil switch	220 V x 100A
201.	Oil switch	220 V x 100A
202.	Oil switch	220 V x 100A
203.	Oil switch	220 V x 100A
204.	Oil switch	220 V x 100A
205.	Oil switch	220 V x 100A
206.	Oil switch	220 V x 100A
207.	Oil switch	220 V x 100A
208.	Oil switch	220 V x 100A
209.	Oil switch	220 V x 100A
210.	Oil switch	220 V x 100A
211.	Oil switch	220 V x 100A
212.	Oil switch	220 V x 100A
213.	Oil switch	220 V x 100A
214.	Oil switch	220 V x 100A
215.	Oil switch	220 V x 100A
216.	Oil switch	220 V x 100A
220.	Electric distributor	460 m/m x 586 m/m
221.	Electric distributor	540 m/m x 690 m/m
223.	Electric distributor	130 m/m x 140 m/m
224.	Electric distributor	500 m/m x 490 m/m
225.	Electric distributor	460 m/m x 586 m/m
	Total	120

JOHN E. EVANS
Lt Col, Inf
Chief

Economic File

In Reply
Refer to

HEADQUARTERS
SHIGA CIVIL AFFAIRS TEAM
APO 25, Unit 3, (Otsu, Honshu)

SH-498

13 September 1949

SUBJECT: Machines Exempt from Reparations

THRU: Shiga Liaison Office, Shiga Prefecture

TO: Toyo Rayon Co., Ltd., Ishiyama.

The following listed machines are hereby exempt from reparations.

<u>Adist. No.</u>	<u>Name of Equipment</u>	<u>Size and Capacity</u>
2	Electric Welder	20 K.V.A.
4	Electric welder	15 K.W.
5	Electric welder	15 K.W.
6	Electric Welder	15 K.W.
7	Electric Welder	15 K.W.
8	Electric welder	15 K.W.
9	Electric Welder	30 K.V.A.
10	Electric welder	30 K.V.A.
11	Air jack	5 tons
12	Air jack	5 tons
13	Air jack	5 tons
14	Air jack	5 tons
15	Air jack	5 tons
16	Motor jack	15 tons
17	Traversing jack	15 tons
18	Traversing jack	15 tons
19	Traversing jack	15 tons
20	Traversing jack	15 tons
21	Traversing jack	15 tons
22	Traversing jack	15 tons
23	Traversing jack	15 tons
24	Traversing jack	15 tons
25	Traversing jack	15 tons
26	Couplar jack	5 tons
27	Couplar jack	5 tons
28	Couplar jack	5 tons
29	Couplar jack	5 tons
30	Couplar jack	5 tons

SH-498

Subject: Machines Exempt from Reparations

13 Sep 49

31.	Lifting jack	15 tons
32.	Lifting jack	15 tons
33.	Lifting jack	15 tons
34.	Lifting jack	15 tons
35.	Spring tester	2 tons
56.	Motor	30 H.P.
57.	Gasoline engine	6 H.P.
58.	Speed reducer	1/15 H.P.
59.	Speed reducer	1/15
60.	Speed reducer	1/15
61.	Speed reducer	1/15
62.	Speed reducer	1/15
63.	Speed reducer	1/15
64.	Speed reducer	1/15
65.	Speed reducer	1/15
66.	Speed reducer	1/15
67.	Speed reducer	1/15
68.	Speed reducer	1/15
69.	Speed reducer	1/15
70.	Speed reducer	1/15
71.	Speed reducer	1/15
72.	Speed reducer	1/15
73.	Lathe	8' measure
74.	Milling machine	No. 2
77.	Electric drill	1/2 H.P.
78.	Electric drill	1/2 H.P.
79.	Electric drill	1/2 H.P.
80.	Electric drill	1/2 H.P.
81.	Electric drill	1/2 H.P.
82.	Electric drill	1/2 H.P.
83.	Electric drill	1/2 H.P.
84.	Electric drill	1 H.P.
85.	Electric drill	1 H.P.
86.	Electric drill	1 H.P.
87.	Electric drill	1 H.P.
88.	Electric drill	1 H.P.
89.	Riveting hammer	3/4
90.	Riveting hammer	3/4
91.	Riveting hammer	3/4
92.	Riveting hammer	3/4
93.	Chipping hammer	1/2
94.	Chipping hammer	1/2
95.	Chipping hammer	1/2
96.	Chipping hammer	1/2
101.	Electric grinder	1/2 h.p.
102.	Covering machine	12 bobbin creel
103.	Pneumatic wrench	3/8" - 3/4"
104.	Brake press	300 tons
105.	Chain block	3 tons
106.	Chain block	

SH-498

Subject: Machines Exempt from Reparatons

13 Sep 49

106.	Chain block	3 tons
107.	Chain block	3 tons
108.	Chain block	3 tons
109.	Chain block	3 tons
110.	Chain block	3 tons
111.	Chain block	3 tons
112.	Chain block	5 tons
113.	Chain block	5 tons
114.	Chain block	5 tons
115.	Oil switch	3500 V x 15A
116.	Oil switch	3500 V x 250A
117.	Oil switch	3500 V x 50A
118.	Oil switch	3300 V x 100A
123.	Oil switch	600 V x 350A
124.	Dil switch	600 V x 350A
125.	Oil switch	600 V x 450 A
126.	Oil switch	600 V x 450A
127.	Oil switch	600 V x 450A
128.	Oil switch	1000 V x 450 A
129.	Oil switch	600 V x 700A
130.	Oil switch	600 V x 700A
131.	Oil switch	600 V x 500A
133.	Oil switch	600 V x 300 A
135.	Oil switch	600 V x 300 A
217.	Oil switch	220 V x 100A
218.	Oil switch	220 V x 100A
219.	Oil switch	220 V x 100A
222.	Electric distributor	144 m/m x 130 m/m
226.	Air grinder	Grindstone diam 6"
227.	Air grinder	Grindstone diam 6"
228.	Air grinder	Grindstone Diam 6"
232.	Wood planing machine	10"
233.	Automatic planer	18"
242.	Circular saw, adjustable table	10"
244.	Blower	1 H.P.
245.	Jack	3 tons
246.	Jack	3 tons
247.	Jack	3 tons
248.	Air grinder	Grindstone 6"
249.	Air grinder	Grindstone 6"
250.	Air grinder	Grindstone 6"
251.	Electric welder	8 K.W.
252.	Pneumatic drill	
253.	Oil jack	1.5 tons
254.	Caulking hammer	C.A. - 11
255.	Hand press	Stroke 6"
256.	Hand press	Stroke 6"
258.	Overhead travelling crane	1 tone
257.	Motor	2 h.p.

SH-498

Subject: Machines Exempt from Reparations

13 Sep 49

259.	Air hammer	1/8 ton
260.	Air compressor	150 H.P.
261.	Nail making machine	5 1/2"
262.	Overhead traveling crane	1 ton
263.	Overhead traveling crane	2 tons
264.	Lathe	6' measure
265.	Lathe	5' measure
266.	Cylindrical grinder	Center distance 450 m/m
267.	Multiple spindle drilling machine	4 axils
268.	Lapping machine	Dia of table 550 m/m
269.	Internal grinding machine	Stroke 365 m/m
270.	Gantry crane	5 tons
271.	Gantry crane	5 tons
272.	Hand press	Stroke 6"
273.	Hand press	Stroke 6"
274.	Hand press	Stroke 6"
275.	Traverser	10 tons
276.	Sand blast	

Total 144

JOHN E. EVANS
Lt Col, Inf
Chief

Rayon

August, 31, 1949

REPORT ON OPERATION

To : Shiga Civil Affairs Team.
(Through Shiga Prefectural Office)

<u>Description</u>	<u>Quantity</u>	<u>Price (Y)</u>
Concentrated Sulphuric Acid	-	-
Repair of Electric Car	1 Car	245,000. ⁰⁰
Manufacture of Tank Cars	1 Car	700,000. ⁰⁰
Repair of Tank Cars	7 Cars	12,000. ⁰⁰
Manufacture for accessory Parts of rayon machine	21. 815 Pieces	188,494,725. ⁰⁰
Machineries and their for manufacturing Amilan	45 Pieces	80,523. ⁰⁰
Total		19,532,248.⁰⁰

Operational Condition

The second plant of sulphuric acid destined for reparation has not been operated as before, being watched by guards.

Toyo Rayon Co., Ltd., Shiga Factory

H. Katsura
 (HIROSHI KATSURA)
 Head of General Affairs Section

Report on inspection of Sulphuric Acid Plants

8 - August - 49

inspection by: S. Joo

Name of Company Toyo Rayon Co.

Code Number	Name of Machine & equipment	No. Item
IA1	Roaster ... 5	1 ~ 31 ... 31 (No of Part)
IA2	Gas cleaning & equipment ... 1	32 ~ 72 ... 41 (")
IA3	Contact equipment ... 1	73 ~ 80 ... 8 (")
IA4	Blower ... 2	111 ~ 114 ... 4 (")
IA5	Absorber ... 1	81 ~ 110 ... 30 (")
Total		10 ... 114 (")

There were two rain-leakages through roofs, so I advised to mend them soon,

Mending Condition ... Generally good.

此工場の Operation 是れは 6ヶ月間、修理期間は 3ヶ月、費用は必要とスル。

此工場は、票値工場に其、当時、票値価格 568,398 円 (June - 1947)

当座、雨漏り修理に 400,000 円 必要とス

July 31, 1949

REPORT ON OPERATION

TO: Shiga Civil Affairs Team
(Through Shiga Prefectural Office)

<u>Description</u>	<u>Quantity</u>	<u>Price (¥)</u>
Concentrated Sulphuric Acid	-	-
Manufacture for accessory parts of rayon machine	29,756 pieces	19,541,703.50
Manufacture of Tank Cars	5 cars	3,176,780.00
Others	31 pieces	98,100.00
Total		22,816,583.50

Operational Condition

The second plant of sulphuric acid destined for reparation has not been operated as before, being watched by guards.

Toyo Rayon Co., Ltd., Shiga Factory

H. Katsura

(HIROSHI KATSURA)

Head of General Affairs Section

Report On Inventory Of Sulphuric Acid Plants

July 15, 1949

Name of Company: Toyo Rayon Co., Ltd.
Name of Plant: Shiga Factory, 2nd Sulphuric Acid Plants
Address of Plant: No. 46, Ishiyama Kitaojicho, Otsu

Inventory No.Name of Equipment

IA 1 -- 5	Roaster
IA 2 -- 1	Gas cleaning equipment
IA 3 -- 1	Contact equipment
IA 4 -- 2	Blower
IA 5 -- 1	All other chemical manufacturing equipment

LIST OF REPARATION MACHINERY

SULPHURIC ACID PLANT

(I A)

TOYO RAYON CO., LTD.

SHIGA FACTORY

LIST OF MACHINE & EQUIPMENT OF SU

No.	Inventory No.	Name of machine & equipment	Item	Construction year	Maker
1	IAL-1	Roaster	Mechanical furnace	1937	Osame Ryusa K.K.
2	IAL-2	do	do	1937	do
3	IAL-3	do	do	1937	do
4	IAL-4	do	do	1937	do
5	IAL-5	do	do	1937	do
6	IAL-1	do	Fan for furnace	1937	Nakashima Se
7	IAL-2	do	do	1937	do
8	IAL-3	do	do	1937	do
9	IAL-4	do	do	1937	do
10	IAL-5	do	do	1937	do
11	IAL-1	do	Elevator	1937	Osame Ryusa
12	IAL-3	do	do	1937	do
13	IAL-5	do	do	1937	do
14	IAL-1	do	Reducer	1937	do
15	IAL-2	do	do	1937	do
16	IAL-3	do	do	1937	do
17	IAL-4	do	do	1937	do
18	IAL-5	do	do	1937	do
19	IAL-1	do	Motor for reducer	1937	Mitsubishi
20	IAL-2	do	do	1937	do
21	IAL-3	do	do	1937	do
22	IAL-4	do	do	1937	do
23	IAL-5	do	do	1937	do
24	IAL-1	do	Motor for fan	1937	do
25	IAL-2	do	do	1937	do
26	IAL-3	do	do	1937	do

LIST OF MACHINE & EQUIPMENT OF SULPHURIC ACID PLANT UNDER REPARATION CUSTODY

Item	Construction year	Maker	Weight	Size & capacity	
Furnace	1937	Osame Ryusan Kogyo K.K.	118,740	4,800 m/m ϕ , 10 t ore/D. combustion area $\frac{1}{2}$ 8280 m ²	Steel cast i Herresh
	1937	do	118,740	do	d
	1937	do	118,740	do	d
	1937	do	118,740	do	d
	1937	do	118,740	do	d
Furnace	1937	Nakashima Seisakusho	350	850 x 990 x 950 51 m ³ /min.	steel p
	1937	do	350	do	d
	1937	do	350	do	d
	1937	do	350	do	d
	1937	do	350	do	d
	1937	Osame Ryusan Kogyo K.K.	1,700	Height $\frac{1}{2}$ 13,300 1.3 t ore/hr.	Steel typ
	1937	do	1,700	do	d
	1937	do	1,700	do	d
	1937	do	1,300	1,200 x 1,290 x 950	Steel
	1937	do	1,300	do	d
	1937	do	1,300	do	d
	1937	do	1,300	do	d
	1937	do	1,300	do	d
Reducer	1937	Mitsubishi	100	0.57 x 0.45 x 0.4 m. 3 HP.	MK 1,2
	1937	do	100	do	d
	1937	do	100	do	d
	1937	do	100	do	d
	1937	do	100	do	d
Fan	1937	do	100	0.56 x 0.39 x 0.36 m. 3 HP.	d
	1937	do	100	do	d
	1937	do	100	do	d

ACID PLANT UNDER REPARATION CUSTODY

Weight	Size & capacity	Type
118,740	4,800 m/m ϕ , 10 \bar{F} ore/D. combustion area \approx 8280 m ²	Steel shell, fire brick lining cast iron shaft. Herreshoff Mechanical Furnace
118,740	do	do
118,740	do	do
118,740	do	do
118,740	do	do
350	850 x 990 x 950 51 m ³ /min.	do
350	do	steel plate
350	do	do
350	do	do
350	do	do
350	do	do
K.K. 1,700	Height \approx 13,300 1.3 \bar{F} ore/hr.	Steel plate vertical, bucket type
1,700	do	do
1,700	do	do
1,300	1,200 x 1,290 x 950	Steel cast iron.
1,300	do	do
1,300	do	do
1,300	do	do
1,300	do	do
100	0.57 x 0.45 x 0.4 m. 3 HP.	MK. 3-phase, 220 V. 8.4 amp. 1,200 r.p.m. 60
100	do	do
100	do	do
100	do	do
100	do	do
100	0.56 x 0.39 x 0.36 m. 3 HP.	do
100	do	do
100	do	do

No.	Inventory No.	Name of M/c and equipment	Item	Construction year	Maker
27	IA1-4	Roaster	Motor for fan	1937	Mitsubishi
28	IA1-5	do	do	1937	do
29	IA1-1	do	Motor for elevater	1937	do
30	IA1-3	do	do	1937	do
31	IA1-5	do	do	1937	do
32	IA2-1	Gas cleaning equipment	Hot cottrell	1937	Osame Ryu
33	IA2-1	do	✓ Cooling tower	1937	do
34	IA2-1	do	✓ Washing tower	1937	do
35	IA2-1	do	✓ Mist, cottrel	1937	do
36	IA2-1	do	✓ do	1937	do
37	IA2-1	do	✓ Cokes filter	1937	do
38	IA2-1	do	✓ Acid cooler	1937	do
39	IA2-1	do	✓ do	1937	do
40	IA2-1	do	✓ Pump tank	1937	do
41	IA2-1	do	✓ do	1937	do
42	IA2-1	do	✓ Drip tank	1937	do
43	IA2-1	do	✓ Drain tank	1937	do
44	IA2-1	do	✓ Cooling water vat	1937	do
45	IA2-1	do	✓ Lead piping	1937	do
46	IA2-1	do	✓ Acid pump	1937	Shimazu S
47	IA2-1	do	✓ do	1937	do
48	IA2-1	do	✓ do	1937	do
49	IA2-1	do	✓ do	1937	do
50	IA2-1	do	✓ Hard lead pump	1937	do
51	IA2-1	do	✓ do	1937	do

2.

Construction year	Maker	Weight	Size and capacity	Type
1937	Mitsubishi	100	0.56x0.39x0.36 3 HP.	M.K 3 phase, 2
1937	do	100	do	1200 r.p.m. 60 do
1937	do	75	0.72x0.32x0.42 3 HP.	M.K. 3 phase,
1937	do	75	do	1800 r.p.m. 60 do
1937	do	75	do	do
1937	Osame Ryusan Kogyo K.K.	531,300	0.2 m.dia., 5 m.height, for 30 tons/day plant	Hitachi Iron W brick, steel a
1937	do	53,210	3 m.dia. 6.1 m.height, 43.1 m ³ volume	Tower type, wi
1937	do	49,200	do	do
1937	do	21,840	For 30 tons/day plant	Hitachi Iron W
1937	do	21,840	do	do
1937	do	100,000	130 m ³ cokes filed up, 9 m.x 12 m.x 2.5 m.	Lead chamber,
1937	do	26,000	42 coils immersed, cool- ing surface 198 m ²	Lead coil type
1937	do	26,000	do	do
1937	do	3,630	2.44 m. dia.	Steel shell, 1
1937	do	3,630	2.13 m. height do	do
1937	do	1,400	1.6 x 2.5 x 1.5	Concrete, lea brick lining
1937	do	2,500	3.0 x 3.0 x 2.0	Concrete, lea
1937	do	690	1.5 x 2.0 x 1.0	Wooden vat, wi
1937	do	15,015		Lead
1937	Shimazu Seisakusho	170	65 m/m Ø calibre, Head capacity 20 m ³ /hr. 10 HP. 0.63x0.53x0.52	Horizontal, ce supiron
1937	do	170	do	do
1937	do	170	do	do
1937	do	170	do	do
1937	do	170	do	Horizontal, ce hard lead
1937	do	170	do	do

Weight	Size and capacity	Type
100	0.56x0.39x0.36 3 HP.	M.K 3 phase, 220 V. 8.4 amp., 1200 r.p.m. 60
100	do	do
75	0.72x0.32x0.42 3 HP.	M.K. 3 phase, 220 V. 8.2 amp., 1800 r.p.m. 60
75	do	do
75	do	do
K. 531,300	0.2 m. dia., 5 m. height, for 30 tons/day plant	Hitachi Iron Work's type fire brick, steel and lead, acid brick
53,210	3 m. dia. 6.1 m. height, 43.1 m ³ volume	Tower type, with packing.
49,200	do	do
21,840	For 30 tons/day plant	Hitachi Iron Work's tube type
21,840	do	do
100,000	130 m ³ cokes filed up, 9 m. x 12 m. x 2.5 m.	Lead chamber, cokes, filled.
26,000	42 coils immersed, cool- ing surface 198 m ²	Lead coil type
26,000	do	do
3,630	2.44 m. dia.	Steel shell, lead lining.
3,630	2.13 m. height do	do
1,400	1.6 x 2.5 x 1.5	Concrete, lead & acid proof brick lining
2,500	3.0 x 3.0 x 2.0	Concrete, lead lining
690	1.5 x 2.0 x 1.0	Wooden vat, with lead lining
15,015		Lead
170	65 m/m ϕ calibre, Head capacity 20 m ³ /hr. 10 HP. 0.63x0.53x0.52	Horizontal, centrifugal type supiron
170	do	do
170	do	do
170	do	do
170	do	Horizontal, centrifugal type hard lead
170	do	do

No.	Inventory No.	Name of M/c & equipment	Item	Construction year	Make
52	IA2-1	Gas cleaning equipment	✓ Iron pump	1937	Shimazu Seis
53	IA2-1	do	✓ Motor for automatic hammer	1937	Mitsubishi
54	IA2-1	do	Motor for rectifier	1937	Hitachi
55	IA2-1	do	✓ do	1937	do
56	IA2-1	do	✓ do	1937	do
57	IA2-1	do	✓ 10 HP. Motor for acid pump	1937	do
58	IA2-1	do	✓ do	1937	do
59	IA2-1	do	✓ do	1937	do
60	IA2-1	do	✓ do	1937	do
61	IA2-1	do	✓ 5 HP motor for drain pump	1937	Yasukawa
62	IA2-1	do	✓ do	1937	Shibaura
63	IA2-1	do	✓ 7.5 HP. motor for iron pump	1937	Toba
64	IA2-1	do	✓ Drying tower	1937	Osaka Seisa K
65	IA2-1	do	✓ Pump tank	1937	do
66	IA2-1	do	✓ Irrigation cooler	1937	Kubota Tekkos
67	IA2-1	do	✓ Dilution boot	1937	do
68	IA2-1	do	✓ Gauge box	1937	do
69	IA2-1	do	✓ 30 HP. vertical pump	1937	Shimazu Seisa
70	IA2-1	do	✓ do	1937	do
71	IA2-1	do	✓ 30 HP. motor for vertical pump	1937	Fuji Denki
72	IA2-1	do	✓ do	1937	do
73	IA3-1	✓ Contact equipment	Large Heat Exchange	1937	Osaka Seisazok
74	IA3-1	do	Small heat "	1937	do
75	IA3-1	do	Large convertor	1937	do

3.

Construction year	Maker	Weight	Size & capacity	type
1937	Shimazu Seisakusho	150	75 m/m Calibre, 0.63 x 0.53 x 0.52	Horizontal cent cast iron.
1937	Mitsubishi	50	0.38 x 0.32 x 0.26 m 1 HP.	MK 3 phase, 22 1,800 r.p.m. 60
1937	Hitachi	100	0.56 x 0.49 x 0.55 m.	SOL 3-phase 220 1,800 r.p.m. 60
1937	do	100	do	do
1937	do	100	do	do
1937	do	155	0.53 x 0.42 x 0.39 10 HP.	
1937	do	155	do	do
1937	do	155	do	do
1937	do	155	do	do
1937	Yasukawa	120	0.55 x 0.41 x 0.37 5HP.	3 phase, 220 V r.p.m. 60
1937	Shibaura	120	do	do
1937	Toba	130	0.51 x 0.45 x 0.46 7.5 HP.	CG. 3 phase, 220 1,800 r.p.m.
1937	Osaka Seisa K.K.	87,401	3 m.dia., 6.1 m. height 43-1 m ³ volume	Steel shell, ac lining.
1937	do	8,200	2.44 m.dia., 2.13 m height	Parcelain pack acid proof brick
1937	Kubota Tekkosho	12,000	150 mm.dia.x200 m.length, cooling surface =584 m ²	Irrigation type
1937	do	300	0.4 dia. x 1.33 m.length	Cast iron
1937	do	150	0.6 dia. x 0.5 height	
1937	Shimazu Seisakusho	800	100 m/m calibre 30 HP. head 20 ^m cap.45 m ³ /hr.	Vertical, cent type. special
1937	do	800	do	do
1937	Fuji Denki	450	0.8 x 0.67 x 0.7 m. 30 HP.	Vertical, 7
1937	do	450	do	do
1937	Osaka Seisazoki K.K.	23,710	2 m.dia., 6 m.height heating surface 584 m ²	Steel shell &
1937	do	14,030	1.75 m.dia., 5.25m.height heating surface 333 m ²	do
1937	do	14,690	2.88m.dia., 4.031 m.height, contact mass 6 m ³	Steel shell c

	Weight	Size & capacity	type
usho	150	75 m/m Calibre, 0.63 x 0.53 x 0.52	Horizontal centrifugal type cast iron.
	50	0.38 x 0.32 x 0.26 m 1 HP.	MK 3 phase, 220 volt, 3.1 amp. 1,800 r.p.m. 60 Δ
	100	0.56 x 0.49 x 0.55 m.	SOL 3-phase 220 V. 11.5 amp. 1,800 r.p.m. 60 Δ
	100	do	do
	100	do	do
	155	0.53 x 0.42 x 0.39 10 HP.	
	155	do	do
	155	do	do
	155	do	do
	120	0.55 x 0.41 x 0.37 5HP.	3 phase, 220 Volt. 8 amp. 1,800 r.p.m. 60 Δ
	120	do	do
	130	0.51 x 0.45 x 0.46 7.5 HP.	CG. 3 phase, 220 volt, 19.5 amp. 1,800 r.p.m. 60 Δ
	87,401	3 m.dia., 6.1 m. height 43-1 m ³ volume	Steel shell, acid proof brick lining.
	8,200	2.44 m.dia., 2.13 m height	Parcelain packing, steel shell acid proof brick lining.
	12,000	150 mm.dia.x200 m.length, cooling surface =584 m ²	Irrigation type, cast iron.
	300	0.4 dia. x 1.33 m.length	Cast iron
	150	0.6 dia. x 0.5 height	
ho	800	100 m/m dalibre 30 HP. head 20 ^m cap.45 m ³ /hr.	Vertical, centrifugal Olemon type. special acid proof iron.
	800	do	do
	450	0.8 x 0.67 x 0.7 m. 30 HP.	Vertical, 73.5 amp. 1800 rpm. 60 Δ
	450	do	do
K.	23,710	2 m.dia., 5 m.height heating surface 584 m ²	Steel shell & tube type
	14,030	1.75 m.dia., 5.25m.height heating surface 333 m ²	do
	14,690	2.88m.dia., 4.031 m.height, contact mass 6 m ³	Steel shell cover cast iron grid

No.	Inventory No.	Name of m/c & equipment	Item	Construction year	Make
76	IA3-1	Contact equipment	✓ Large Small convertor	1937	Osaka Seisa
77	IA3-1	do	✓ SO ₃ gas cooler	1937	do
78	IA3-1	do	✓ Preheating	1937	do
79	IA3-1	do	✓ Fan for preheater	1937	Nakashima S
80	IA3-1	do	✓ Preheater body	1937	Matsushimag
81	IA5-1	✓ Absorber	Absorber	1937	Osaka Seisa
82	IA5-1	do	✓ Pump tank	1937	do
83	IA5-1	do	✓ Surge tank	1937	do
84	IA5-1	do	✓ Dilution boot	1937	do
85	IA5-1	do	✓ Gauge box	1937	do
86	IA5-1	do	✓ Gauge tank	1937	do
87	IA5-1	do	✓ do	1937	do
88	IA5-1	do	✓ Gauge box	1937	Kubota Tekk
89	IA5-1	do	✓ Irrigation cooler	1937	do
90	IA5-1	do	✓ do	1937	do
91	IA5-1	do	✓ 30 HP. vertical pump	1937	Shimazu Sei
92	IA5-1	do	✓ do	1937	do
93	IA5-1	do	✓ 15 HP. vertical pump	1937	do
94	IA5-1	do	✓ do	1937	do
95	IA5-1	do	✓ do	1937	do
96	IA5-1	Contact equipment	✓ Reaction tower	1937	Takayama Ko
97	IA5-1	do	✓ Circulating vat	1937	
98	IA5-1	do	✓ Alkali tank	1937	
99	IA5-1	do	✓ Supiron pump	1937	
100	IA5-1	do	✓ do	1937	

4.

Construction year	Maker	Weight	Size & capacity	Type
1937	Osaka Seisazoki K.K.	10,070	2.88 m.dia., 2.837 m.height, contact mass 8 m ³	Steel shell cov
1937	do	15,000	0.55 m.dia., 120 m.length cooling surface 207 m ²	Steel pipe, air
1937	do	78,500	Furnace 2.640x2.750x5.720 m height Preheater 2.5 m.dia.4.0 m.	Fire brick, st
1937	Makashima Seisakusho.	350	100 m ³ /min.0.95x0.92x1.15 m.	
1937	Matsushimagumi	13,000	Heating surface 423 m ³ 2.5 ^m dia.x4.0 m. height	Tube type
1937	Osaka Seisazoki K.K.	87,433	3 m.dia. 6.1 m. height 43.1 m ³ volume	Vertical s acid proof
1937	do	10,500	2.44 dia., 2.13 m. depth	Steel tank acid
1937	do	8,200	do	do
1937	do	300	0.4 m. dia.x1.33 m. length	do
1937	do	150	0.6 m.dia. x 0.5 m. height	
1937	do	8,200	2.44 m.dia., 2.13 m.depth	Steel tank acid
1937	do	8,200	do	do
1937	Kubota Tekkosho	150	0.6 m.dia.x0.5 m. height	
1937	do	10,000	150 m.m.dia.x110 m.cooling surface 48 m ²	Irrigation type
1937	do	6,000	150 mm.dia.x46 m.	do
1937	Shimazu Seisakusho	800	100 m/m calibre 30 HP. head 20 m.capacity 45 m ³ /hr.	Centrifugal, v type
1937	do	800	do	do speed a
1937	do	600	65 m/m calibre, 15 HP.head 20 m. capacity 20 m ³ /hr.	do
1937	do	600	do	do
1937	do	600	do	do
1937	Takayama Kozen K.K.	9,500	1.35 m.dia., 6.65 m. height Earthenware tower	Packed tower t
1937		2,500	2.5 x 3.0 x 1.2 m.	Wooden-vat wit
1937		1,000	1.0 x 1.5 x 1.0 m.	do
1937		150	50 m/m calibre 0.47 x 0.38x 0.63	Centrifugal, supiron
1937		150	do	do

Weight	Size & capacity	Type
K.K. 10,070	2.88 m.dia., 2,837 m.height, contact mass 8 m ³	Steel shell cover cast iron grid
15,000	0.55 m.dia., 120 m.length cooling surface 207 m ²	Steel pipe, air cooling
78,500	Furnace 2.640x2.750x5.720 m Preheater 2.5 m.dia.4.0 m. height	Fire brick, steel shell & tube
kusho 350	100 m ³ /min.0.95x0.92x1.15 m.	
13,000	Heating surface 423 m ³ 2.5 ^m dia.x4.0 m. height	Tube type
K.K. 87,433	3 m.dia. 6.1 m. height 43.1 m ³ volume	Vertical steel shell type, acid proof brick lining
10,500	2.44 dia., 2.13 m. depth	Steel tank acid proof brick lining
8,200	do	do
300	0.4 m. dia.x1.33 m. length	do
150	0.6 m.dia. x 0.5 m. height	
8,200	2.44 m.dia., 2.13 m.depth	Steel tank acid proof brick lining
8,200	do	do
150	0.6 m.dia.x0.5 m. height	
10,000	150 m.m.dia.x110 m.cooling surface 48 m ²	Irrigation type, cast iron
6,000	150 mm.dia.x46 m.	do
sho 800	100 m/m calibre 30 HP. head 20 m.capacity 45 m ³ /hr.	Centrifugal, vertical Olemon type
800	do	do speed acid proof iron
600	65 m/m calibre, 15 HP.head 20 m. capacity 20 m ³ /hr.	do
600	do	do
600	do	do
K.K. 9,500	1.35 m.dia., 6.65 m. height Earthenware tower	Packed tower type stone ware
2,500	2.5 x 3.0 x 1.2 m.	Wooden-vat with lead lining
1,000	1.0 x 1.5 x 1.0 m.	do
150	50 m/m calibre 0.47 x 0.38x 0.63	Centrifugal, horizontal type supiron
150	do	do

Inv No.	Inventory No.	Name of M/c equipment	Item	Construction year	Maker
101	IA5-1	Contact equipment	Exhaust fan	1937	Rikagaku Kogy
102	IA5-1	do	✓ 30 HP.motor for vertical pump	1937	Fuji Denki
103	IA5-1	do	✓ do	1937	do
104	IA5-1	do	✓ 15 HP.motor for vertical pump	1937	do
105	IA5-1	do	✓ do	1937	do
106	IA5-1	do	✓ do	1937	do
107	IA5-1	do	✓ 7.5 HP.motor for supiron pump	1937	Toba Denki
108	IA5-1	do	✓ do	1937	Shibaŭra Denki
109	IA5-1	do	✓ 5 HP. motor for exhaust fan	1937	Toba Denki
110	IA5-1	do	✓ Storage tank	1937	Fujinagata Zo
111	IA4-1	Blower	✓ Blower	1937	Hitachi Seisa
112	IA4-1	do	✓ do	1937	do
113	IA4-1	do	✓ Motor	1937	Hitachi
114	IA4-2	do	✓ do	1937	do
		All other chem. mftg.equipment	Electric equipment	1937	
		do.	Iron piping	1937	

5.

Item	Construction year	Maker	Weight	Size & capacity
Exhaust fan	1937	Rikagaku Kogyo K.K.	450	150 m ³ /min. cap. 1.25 x 1.3 x 1.58 m.
HP. motor for local pump	1937	Fuji Denki	450	0.8 x 0.67 x 0.7 m. 30 HP.
do	1937	do	450	do
HP. motor for local pump	1937	do	200	0.53x0.42x0.39 m. 15 HP.
do	1937	do	200	do
do	1937	do	200	do
HP. motor for iron pump	1937	Toba Denki	130	0.51x0.45x0.46 m. 7.5 HP.
do	1937	Shibaura Denki	130	0.65 x 0.46 x 0.39 m.
HP. motor for exhaust fan	1937	Toba Denki	120	0.55 x 0.41 x 0.37 m. 450 \bar{F} capacity
Storage tank	1937	Fujinagata Zosen K.K.	20,000	7 m. ϕ x 7 m. height
Compressor	1937	Hitachi Seisakusho	650	170 m ³ /min. max. gas press 92 mm Hg
do	1937	do	650	Column, 75 HP, 3,490 rpm. 3300 volt
do	1937	Hitachi	850	75 HP.
do	1937	do	850	75 HP.
Electric equipment	1937			
Piping	1937			

	Weight	Size & capacity	Type
K.K.	450	150 m ³ /min. cap. 1.25 x 1.3 x 1.58 m.	Steel plate
	450	0.8 x 0.67 x 0.7 m. 30 HP.	SOR _R , 3 phase, 220 volt, 73.5 amp. 60 Δ vertical, 8.800 r.p.m.
	450	do	do
	200	0.53x0.42x0.39 m. 15 HP.	SOR _R , 3 phase 220 V. 26 amp. 60 Δ vertical 1.800 r.p.m.
	200	do	do
	200	do	do
	130	0.51x0.45x0.46 m. 7.5 HP.	CG-G-300, 3 phase, 220 volt 19.5 amp., 1.800 rpm. 60 Δ
	130	0.65 x 0.46 x 0.39 m.	do
	120	0.55 x 0.41 x 0.37 m. 450 \bar{E} capacity	CB, A-105, 3 phase, 220 V., 5.6 amp 1200 r.p.m. 60 Δ
K.K.	20,000	7 m. ϕ x 7 m. height	Steel tank
sho	650	170 m ³ /min. max. gas press 92 mm Hg	Turbo
	650	Column, 75 HP, 3,490 rpm. 3300 volt	Speed cast iron stainless, steel impellor
	850	75 HP.	EFU-KKL, 3 phase 3,300 V. 12.2 amp., 60 3.600 r.p.m.
	850	75 HP.	do
			Copper, iron
			Steel, cast iron

Handwritten scribble

25th June 1949

TO: Shiga Military Government Team.
FROM: Chief of Com, and Ind. Section, Shiga Ken.
SUBJECT: Operation Machine.

We receipt the application for temporary operation with 29 machines from Toyo Rayon Co., Shiga Plant, Ishiyama Otsu.

Hereby we submit to you the application as annexed papers,

R. Kitagawa

RIKIO KITAGAWA
Chief, Com. & Ind.
Shiga Ken.

Authorized for Temporary Use
25 June 1949 *29 listed* (with *8 A 27 gms*)
Machines *ca 7.6 2/24*

L.R. Hoffman
major