

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

**Description of contents**

- (1) Box no. **3015**
- (2) Folder title/number: **(7)**  
**Nippon Kayaku Seizo K.K. - Fukuyama Dyestuffs Works**
- (3) Date: **Jan. 1949 - Feb. 1951**

(4) Subject:

Classification	Type of record
9230, 9621	z

(5) Item description and comment:

- 1) Hiroshima**
- 11) Includes Contents Lists (Divided)**

(6) Reproduction:  Yes  No

(7) Film no.

Sheet no.

(Compiled by *National Diet Library*)

Name: FUKUYAMA DYESTUFFS WORKS

Code No. 11-16

Date 23 January 1951

SECTION I  
INVENTORY DATA

- |  |                  |
|--|------------------|
| 1. Total items originally inventoried:                                 | <u>36</u>        |
| 2. Originally inventoried items not available for allocation:          |                  |
| a. EX items  |                  |
| (1) Originally inventoried EX  | <u>0</u>         |
| (2) Subsequently deleted from EX classification                        | <u>0</u>         |
| (3) Total (line a(1) less line d(2))                                   | <u>0</u>         |
| b. Subsequently released from custody                                  | <u>0</u>         |
| (1) Woodworking*   | <u>0</u>         |
| (2) Others*  | <u>0</u>         |
| c. Destroyed SP*   | <u>0</u>         |
| d. Subsequent losses from fire, theft, etc.*                           | <u>0</u>         |
| e. Released from dispersed location*                                   | <u>0</u>         |
| f. Shipped to TID*   | <u>0</u>         |
| g. Removed under PD*   | <u>0</u>         |
| h. Removed on allocation   | <u>0</u>         |
| i.   | <u>    </u>      |
| 3. Total deduction from original inventory                             | <u>0</u>         |
| 4. Item missed from original inventory - subsequently picked up        | <u>0</u>         |
| 5. Adjusted original inventory total (line 1 less line 3, plus line 4) | <u>36</u>        |
| 6. Subsequent additions to inventory                                   |                  |
| a. Returned PD'd items*  | <u>0</u>         |
| b. Added on evaluation   | <u>0</u>         |
| c.   | <u>    </u>      |
| d.   | <u>    </u>      |
| 7. Inventory total   | <u>36</u>        |
| 8. "U" items   | <u>0</u>         |
| <small>FOR "U" ITEMS UNDER OTHER CODE NOS. SEE REVERSE SIDE</small>    |                  |
| 9. Total items available for allocation (line 7 less line 8)           | <u><u>36</u></u> |

SECTION II  
MISCELLANEOUS

1. Non-inventoried items shipped to TID \_\_\_\_\_
2. Items inventoried under other plant code number, <sup>(SEE REVERSE SIDE)</sup> 2 (Not included in line 9, SEC I)
3. Authorized transformer capacity \_\_\_\_\_ KW
4. EX items subsequent to original inventory \_\_\_\_\_

\* See reverse side

"U" items under other code Numbers:

11-5(139)-1

11-5(139)-2

TOTAL 2 (these are also items at this plant under other code numbers noted on front side)

OK  
JBB  
4/1/51

IA

NIPPON KAYAKU SEIZO KK 11-16  
FUKUYAMA DYESTUFFS WKS  
Section 1 A.

DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS
25 NOV. 1949	INVENTORY DATA, (11-16) FUKUYAMA DYESTUFFS WORKS, NIPPON KAYAKU CO. LTD.	HIROSHIMA PREF. GOV'T. OFFICE - BASIC

Section 1A. Inventory

Code number of Inventory sheet	Name of Equipments	Division of use	Remark	Name of company which use these machines
11-16-1	Centrifugal machine	F.U.	36 machines	Fukuyama
11-16-2	"	"	in Crude	Dyestuffs
11-16-3	"	"	Picric Acid Works,	Nippon
11-16-4	"	"	Plant which	Kayaku Co.,
11-16-5	Moter with reducer	"	stated in	Ltd.
11-16-6	"	"	section 1	
11-16-7	"	"		
11-16-8	Centrifugal Pump with Moter	"		
11-16-9	"	"		
11-16-10	Nitrater	"		
11-16-11	"	"		
11-16-12	Desalpurater Tank	"		
11-16-13	"	"		
11-16-14	Acid Measuring Tank	"		
11-16-15	"	"		
11-16-16	"	"		
11-16-17	Tank	"		
11-16-18	"	"		
11-16-19	"	"		
11-16-20	"	"		
11-16-21	"	"		
11-16-22	Waste Acid Measuring Tank	"		
11-16-23	"	"		
11-16-24	Mixed Acid Kettle	"		
11-16-25	Mixed Acid Montejus	"		
11-16-26	Washing Bath	"		
11-16-27	"	"		
11-16-28	Waste Acid Trestring Tank	"		
11-16-29	"	"		
11-16-30	Waste Acid Stock Tank	"		
11-16-31	Waste Acid Montejus	"		
11-16-32	"	"		
11-16-33	"	"		
11-16-34	Mixed Acid Measuring Tank	"		
11-16-35	"	"		
11-16-36	Sulphuric Acid Montejus	"		
11-5(138)-1	Lathe	A.U.	2 machine	Fukuyama
11-5(138)-2	Drilling Machine	"	Tools which	Dyestuffs
			stated in	works,
			Section	Nippon
			11-2.	Kayaku Co.,
				Ltd.

Name: Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd. Code No. 11-16  
 Date: Nov., 25th, 1949

SECTION I  
INVENTORY DATA

1. Total items originally inventoried		<u>36</u>
2. Originally inventoried items not available for allocation:		
a. EX items		
(1) Originally inventoried EX	<u>none</u>	
(2) Subsequently deleted from EX classification	<u>none</u>	
(3) Total (line 1) less line d(1)	<u>none</u>	
b. Subsequently released from custody:		
(1) Woodworking*	<u>none</u>	
(2) Others*	<u>none</u>	
c. Destroyed SP*	<u>none</u>	
d. Subsequent losses from fire, theft, etc.*	<u>none</u>	
e. Released from dispersed location*	<u>none</u>	
f. Shipped to TID*	<u>none</u>	
g. Removed under PD*	<u>none</u>	
h. Removed in allocation	<u>none</u>	
i.		
3. Total deduction from original inventory		<u>none</u>
4. Items missed from original inventory - subsequently picked up		<u>none</u>
5. Adjusted original inventory total (line 1 less lines 3, plus line 4)		<u>36</u>
6. Subsequent additions to inventory:		
a. Returned PD in inventory	<u>none</u>	
b. Addition in production	<u>none</u>	
c.	<u>none</u>	
d.	<u>none</u>	
7. Inventory total		<u>36</u>
8. "U" items		<u>none</u>
9. Total items available for allocation (line 7 less line 8)		<u><u>36</u></u>

SECTION II  
MISCELLANEOUS

1. Non-inventoried items shipped to TID none
  2. Items inventoried under other plant code number, (Not included in line 9) 2
  3. Authorized transformer capacity KW none
  4. EX items subsequent to original inventory none
- \* See reverse side



日本化薬株式会社福山染料工場

建物配置圖

縮尺八百分之壹

建物位置ヲ示ス

凡例



Disposition on

Nippon Kayaku K. K.

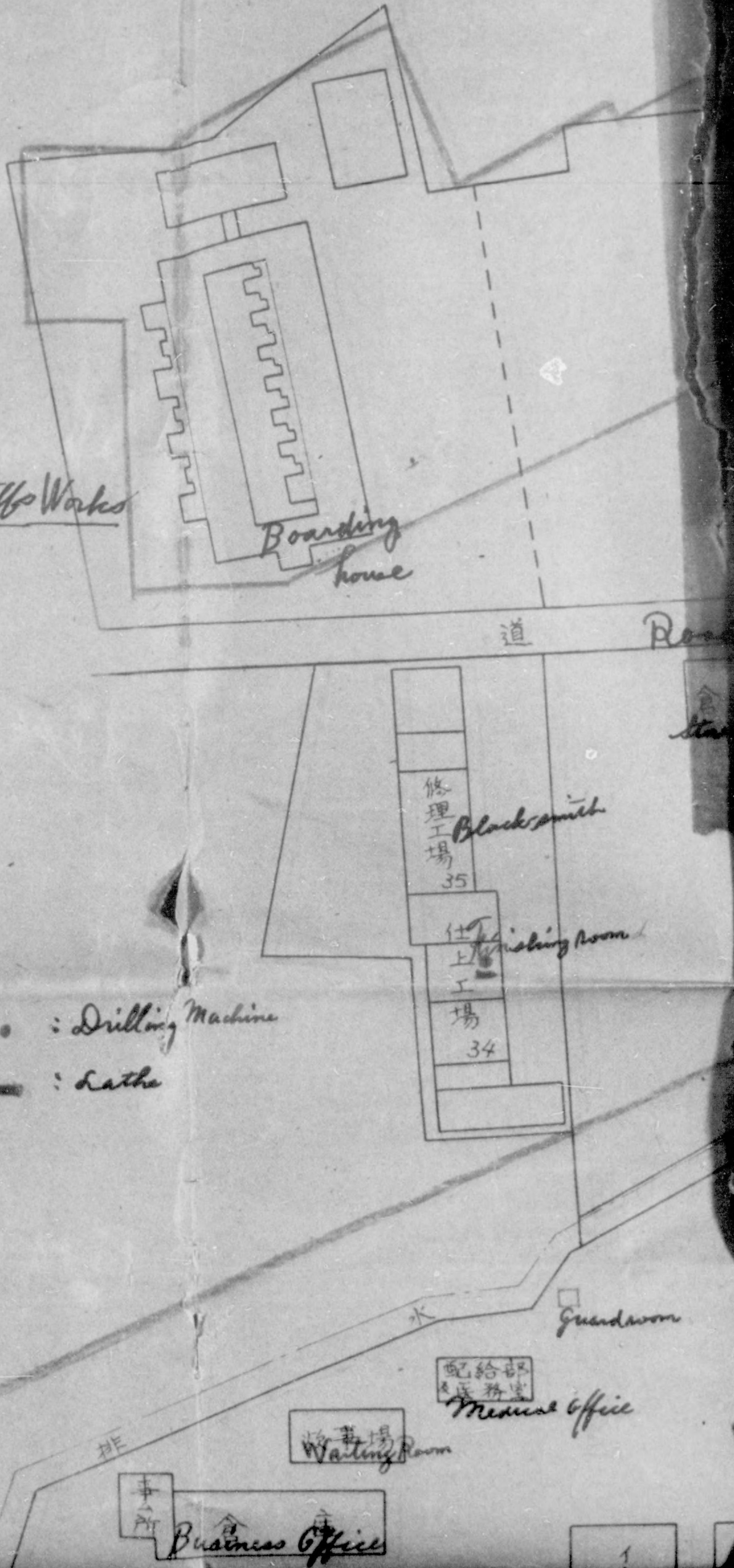
(Plan)



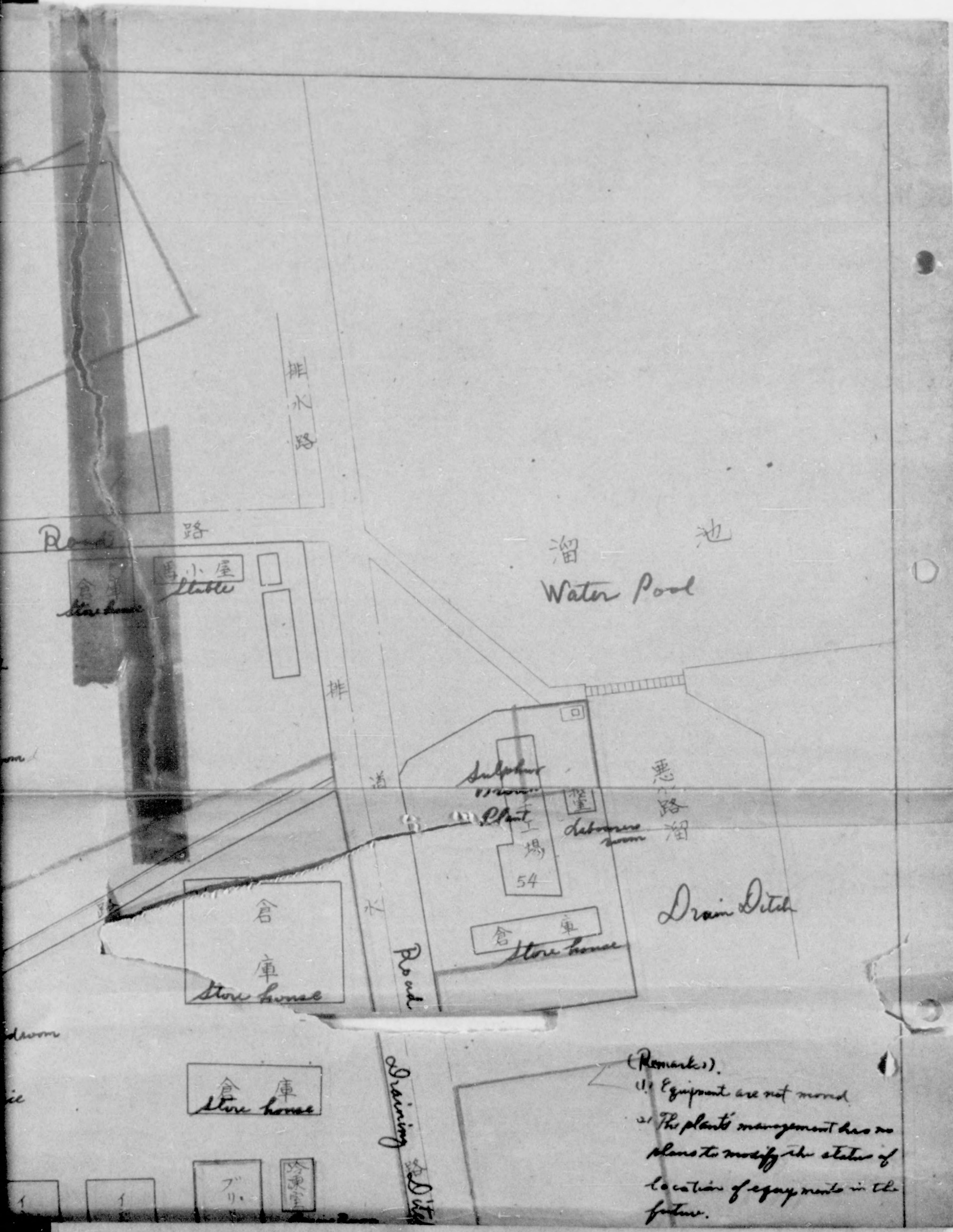
Disposition on a Map of

Nippon Kayaku K. K. Fukuyama Dyestuffs Works

(Plant 500)



- : Drilling Machine
- : Lathe



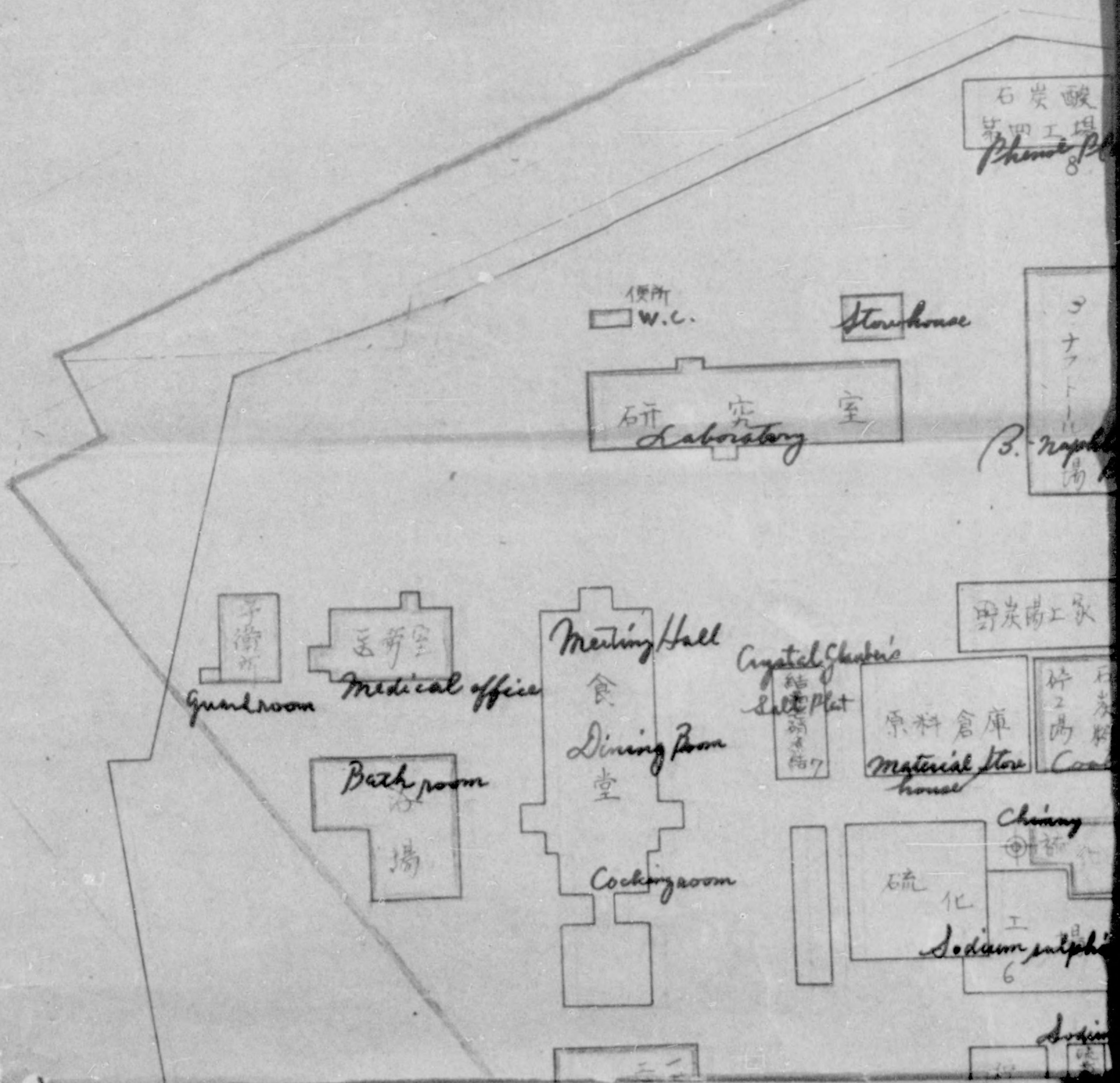
(Remarks).

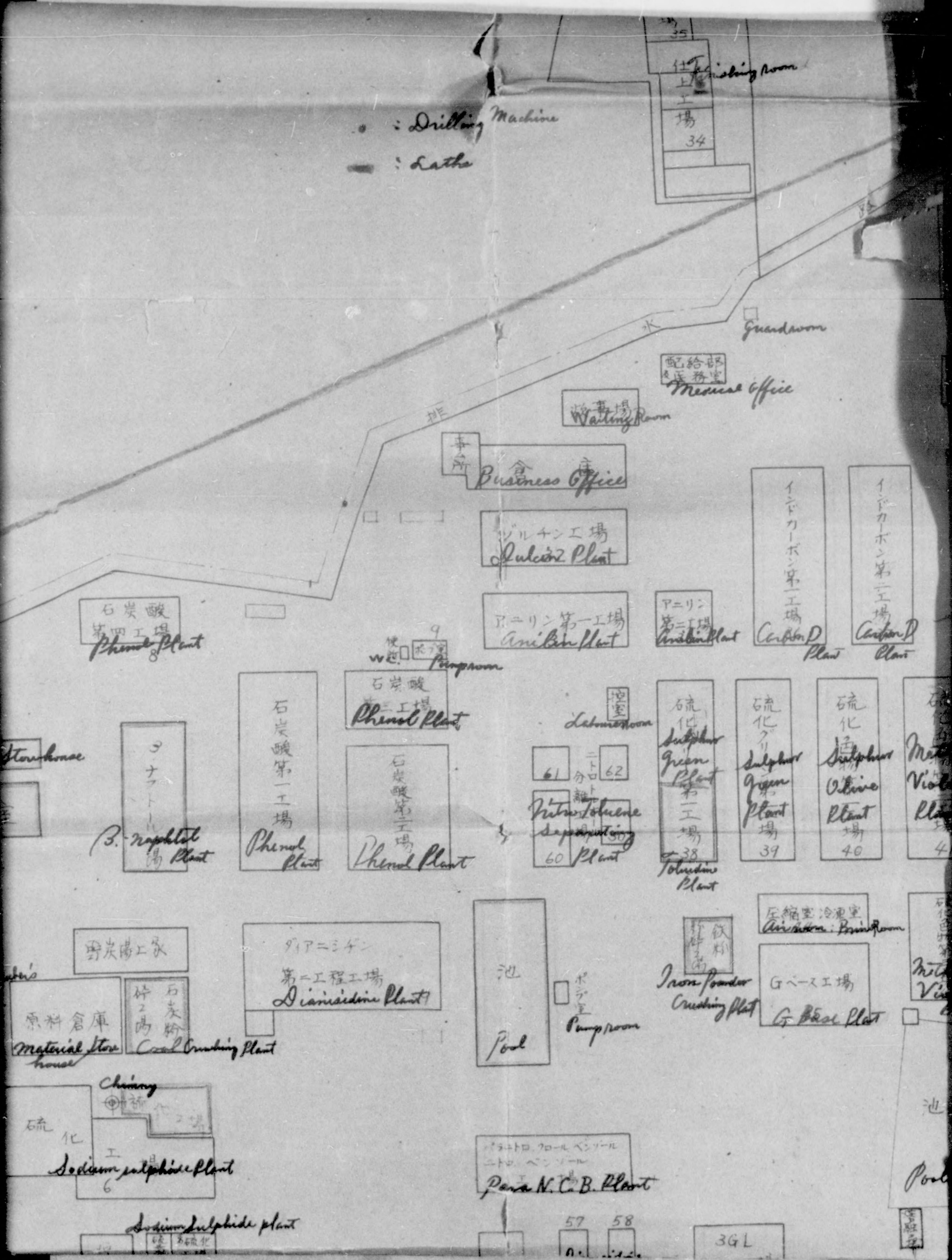
- 1) Equipment are not moved.
- 2) The plant's management has no plans to modify the status of location of equipments in the future.

建物位置ヲ示ス

尺八百分之壹

料工場





● : Drilling Machine  
 — : Laths

仕上工場  
 34  
 Finishing Room

Guardroom

配給部 & 医務室  
 Medical Office

待合室  
 Waiting Room

事務所  
 Business Office

ソルチン工場  
 Sulchor Plant

アニリン第一工場  
 Anilin Plant

アニリン第二工場  
 Anilin Plant

イソカーボン第一工場  
 Carbon D Plant

イソカーボン第二工場  
 Carbon D Plant

石炭酸第四工場  
 Phenol Plant

石炭酸第三工場  
 Phenol Plant

石炭酸第一工場  
 Phenol Plant

β-naphthal  
 Plant

ニトロ  
 Nitro-toluene  
 Separating  
 Plant

硫化  
 Sulphur  
 Green  
 Plant  
 38  
 Toluidine  
 Plant

硫化  
 Sulphur  
 Green  
 Plant  
 39

硫化  
 Sulphur  
 Green  
 Plant  
 40

Met  
 Viol  
 Plant  
 4

野炭場工場

ジアニジン  
 第二工程工場  
 Diamidine Plant

池  
 Pool

ポンプ室  
 Pump room

鉄粉  
 Iron powder  
 Crushing Plant

圧縮室 冷凍室  
 Air drier  
 Pump room  
 G ベース工場  
 G Base Plant

原料倉庫  
 Material Store  
 house

砕石工場  
 Coal Crushing Plant

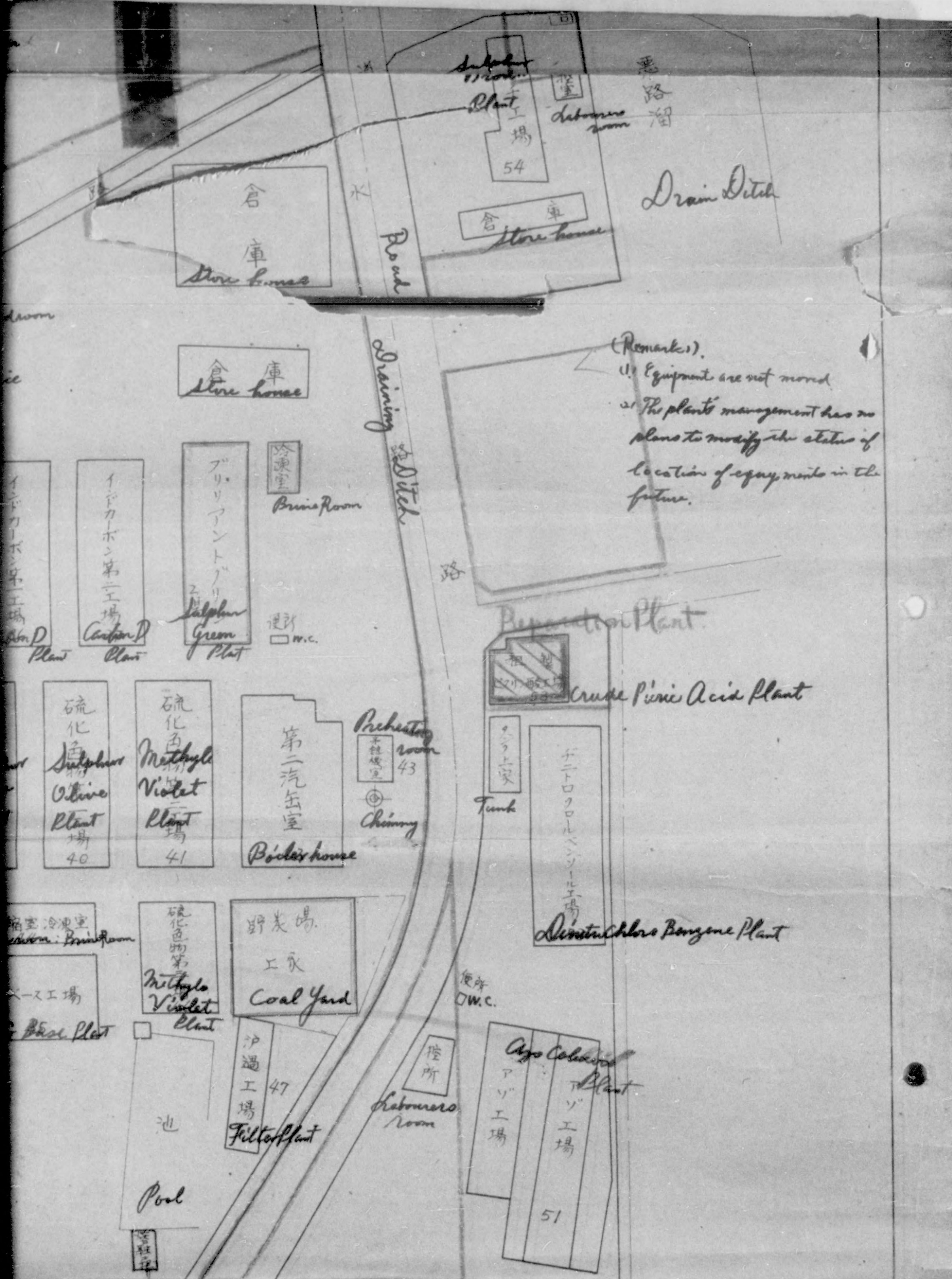
硫化  
 Sodium sulphide  
 Plant  
 6

パラ-N-C-B  
 Para N.C.B. Plant

Sodium sulphide plant

57 58

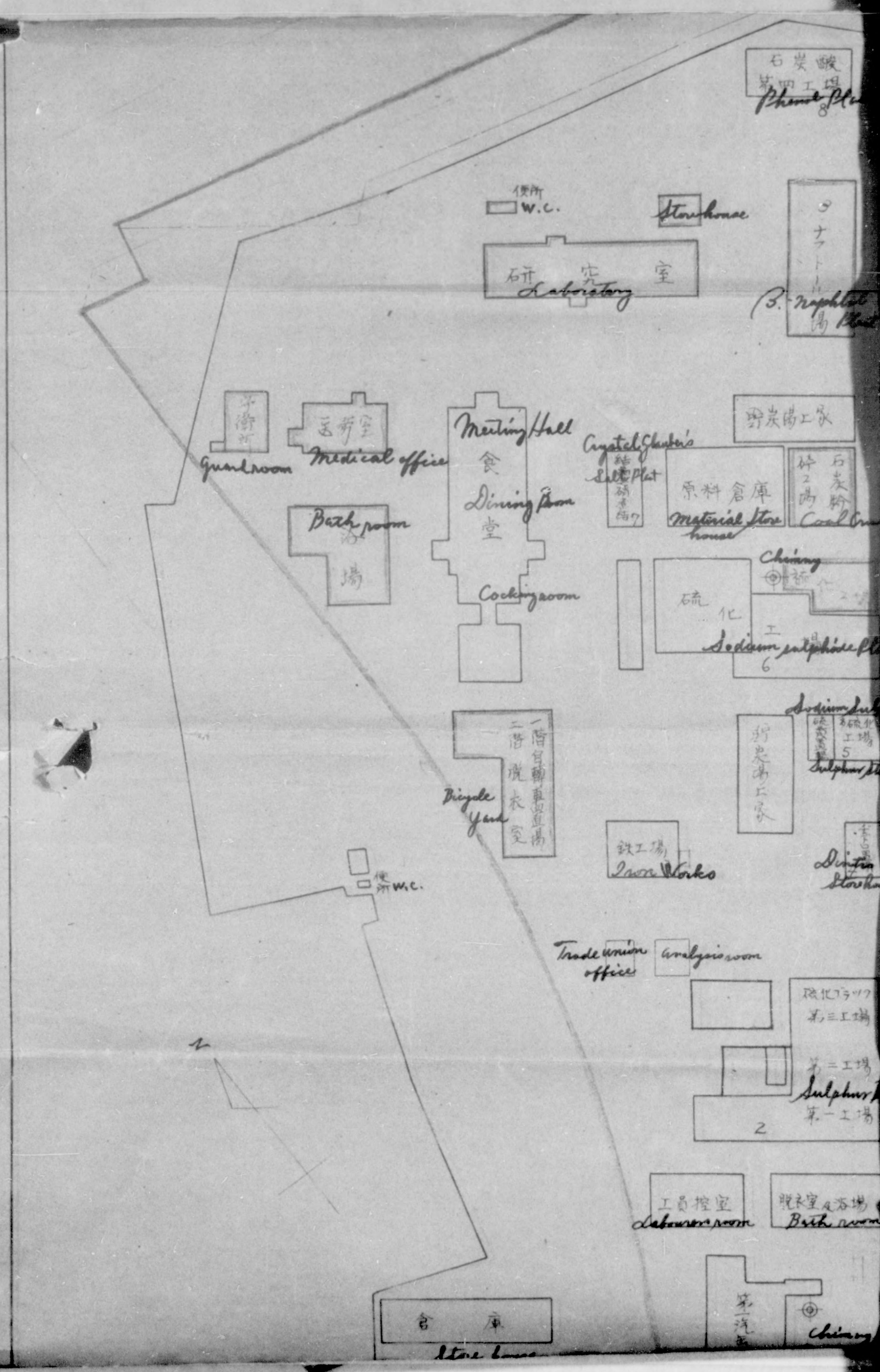
3GL

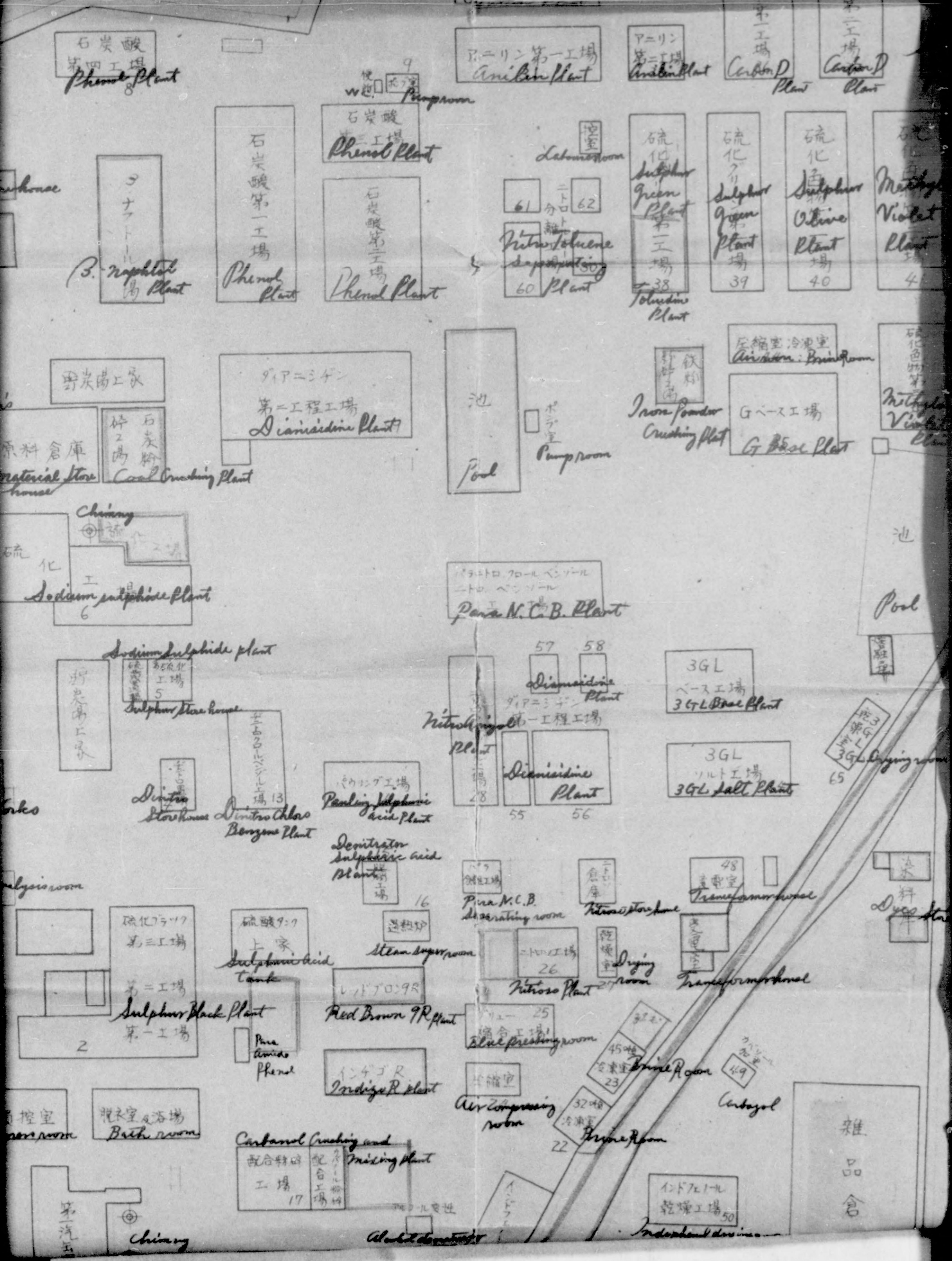


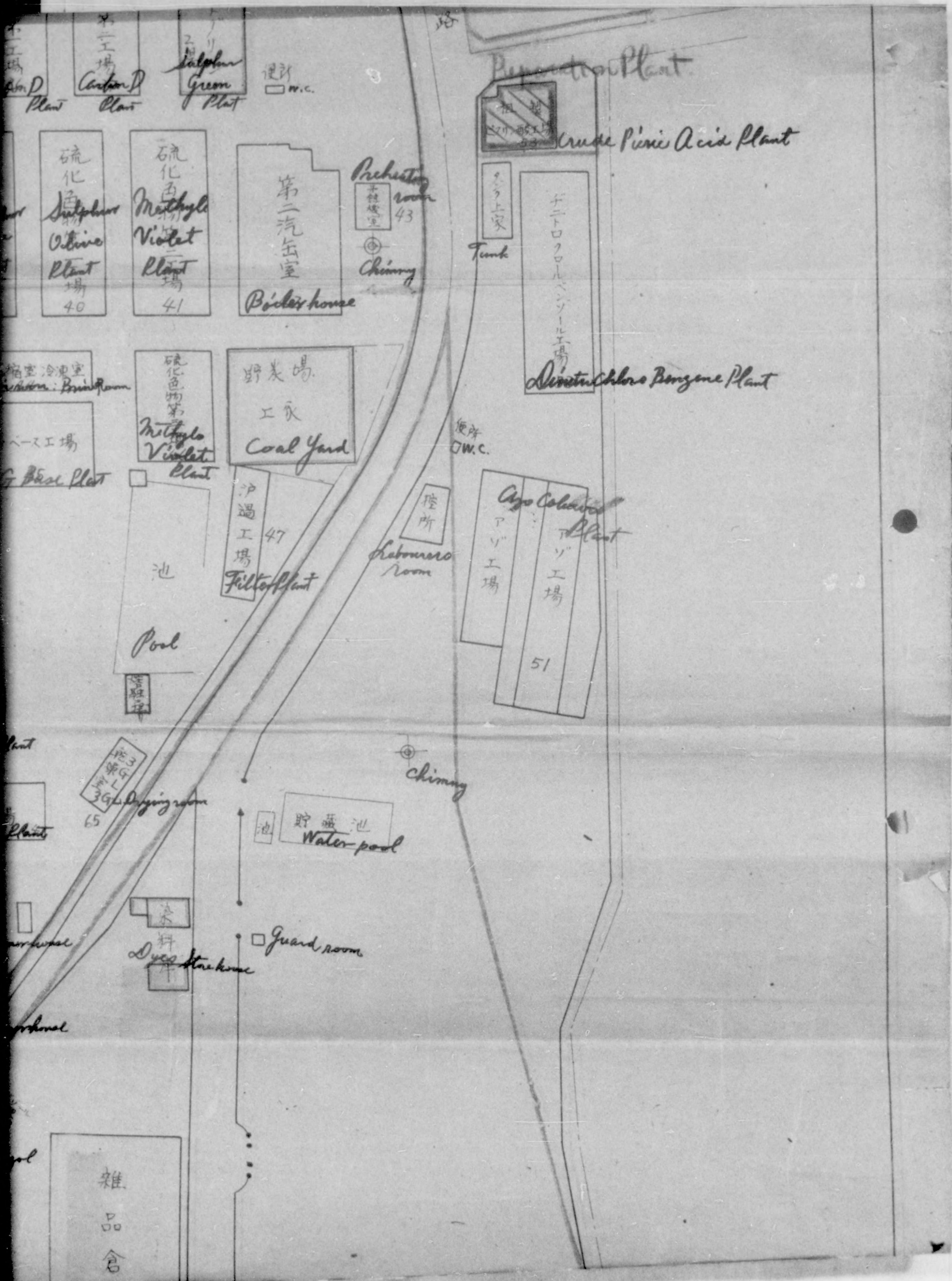
(Remarks)

- 1) Equipment are not moved
- 2) The plant's management has no plans to modify the status of location of equipments in the future.

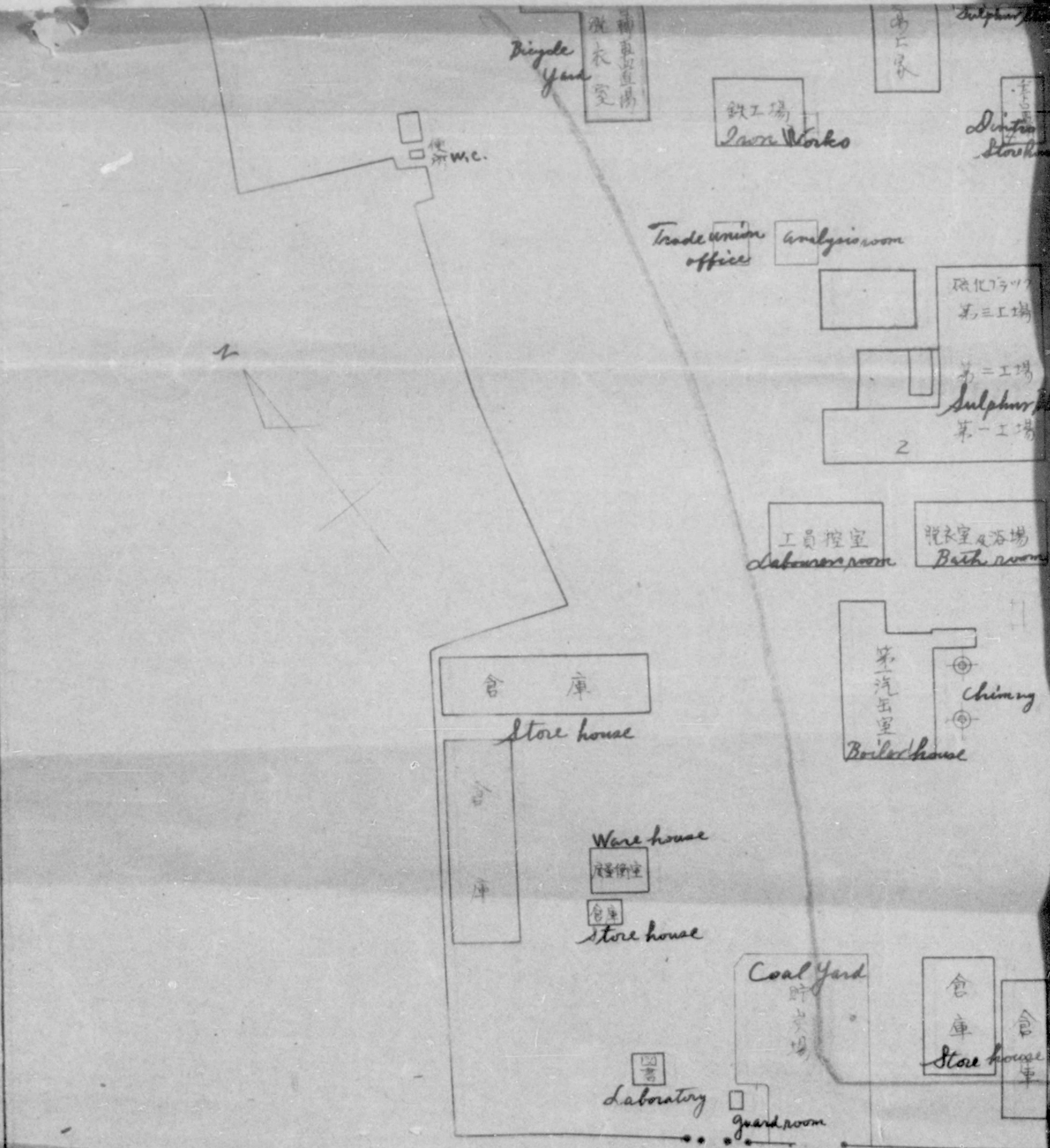
775010

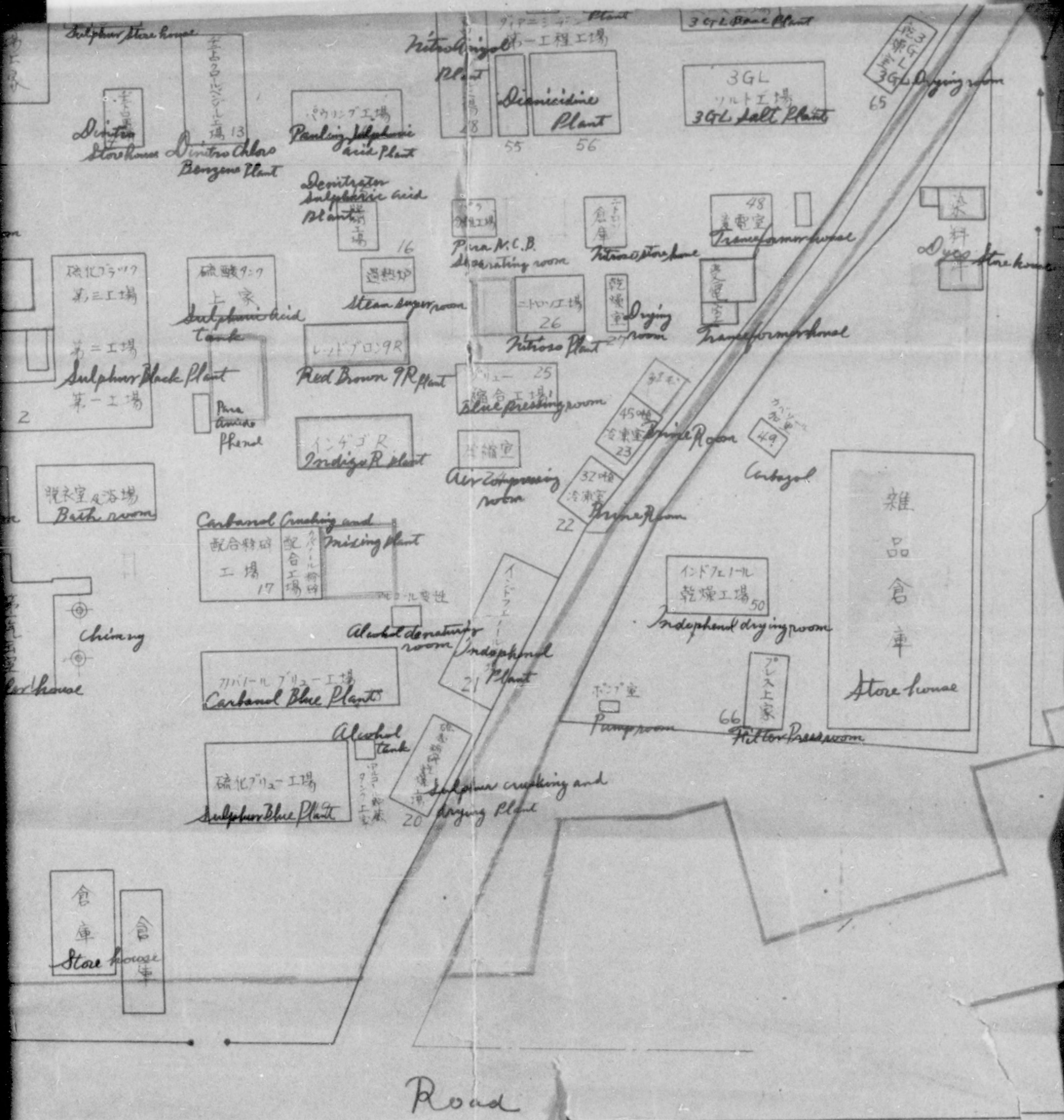


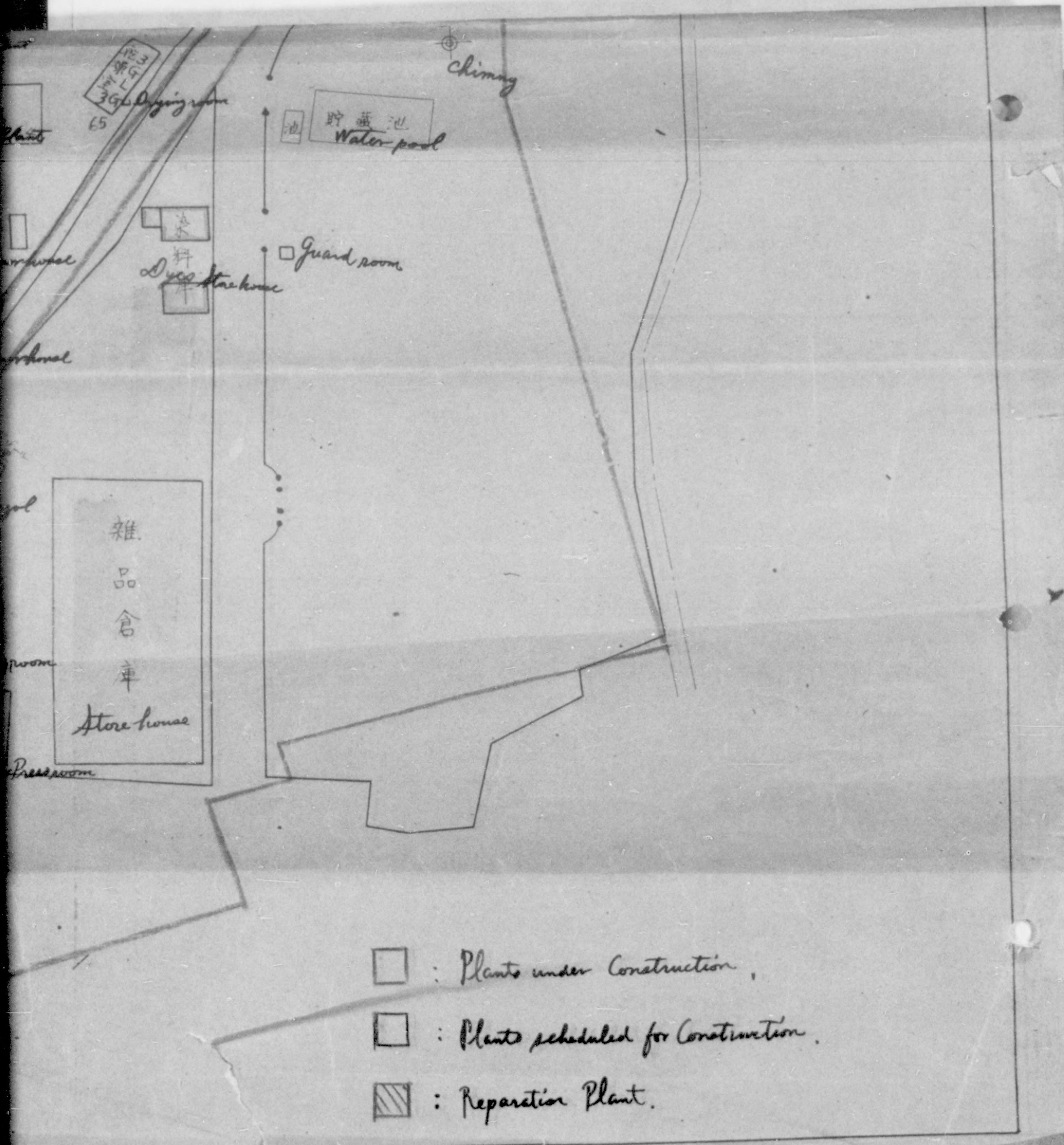












NIPPON KAYAKU SEIZOSHO K.K. 11-16  
FUKUYAMA DYESTUFFS WORKS  
Section 1C

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORPORATION
26 July 1950	Outline of Fukuyama Dyestuff Plant	Fukuyama Dyestuff Works
22 Aug. 1950	Present Circumstances of Reparation Equipments of Fukuyama Dyestuff Works, Nippon Kayaku K.K.	Fukuyama Dyestuff Works
15 Feb. 1951	" " " "	Fukuyama Dyestuff Works

IC

Present Circumstances of Reparation Equipments  
of Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

Date : 15th Feb., 1951

Plant Code No. : 11 - 16  
 Name of Company : Nippon Kayaku Co., Ltd.  
 Name of Plant : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.  
 Address of Plant : 1022-1, Irifane-cho Fukuyama City Hiroshima Prefecture  
 Industrial Group as in SCAPIN : Private Munition Plant  
 Principal War Time Products : Dyestuffs and it's intermediates  
 Plant Evaluation Date : (Not Evaluate)

Present Circumstances :

(a) During the war a portion of the crude picric acid were delivered to the Army by order. However, the works produced crude picric acid as raw material of sulphur dyes and chlor picrin since long before the war and continued its manufacture during the war also for civilian purposes. The percent of the production is 55% for the Army, 45% for the civilian use.

By the Army's order the crude picric acid plant has been modified in 1945. The most part of this equipments were lent to the works from the Army. But on completion of the plant's construction the war ended and no operation made.

At present our works have the reparation equipments of crude picric acid (Code No. from 11-16-1 to 11-16-36) and two machinetools {"U" mark, Code No. from 11-5(139)-1 to 11-5(139)-2} that were disposed from the Kure Naval Arsenal after the war.

(b) We were designated as a munition factory for a subject of reparation on 24th Aug. 1946 and duly instructed with regard to the custody and preservation of the factory.

But we had been engaged in manufacturing of dyestuffs and intermediates even during the war-time and delivered only crude picric acid being a material of sulphur dyes to military concern and the quantity was very small compared to the whole dyes production of our works, because in accordance with Serial No.7-511 from Hiroshima Military Government Team, dated 26 Feb. 1947 our works has been removed from reparations list with the exception of thirty-six equipments (Code No.11-16) for manufacturing of Crude picric acid and two machinetools {Code No.11-5(139)}

(c) Regarding to the above mentioned two machinetools {Code No.11-5(139)} we were permitted to put "U" mark and to operate them in accordance with the instruction (Kure Kan No.40, dated 14th Jan. 1948) which was issued from G.H.Q. through Kure Branch office of Hiroshima Financial Bureau.

We received a notice from Chugoku Civil Affairs Region on 26th Sept. 1949 that thirty-six equipments (Code No.11-16) for manufacturing Crude picric acid were given conversion permit from Economic and Scientific Section, G.H.Q., dated 8th Sept. 1949.

However we have some stock (98,162.3 kg) of crude picric acid. Therefore we are wishing not to operate the crude picric acid plant as reparation equipments until we use up all the stock of crude picric acid, moreover in the near future the crude picric acid plant must be removed to the another place owing to the land adjustment which is new under way in our Fukuyama City, and so we can not operate the crude picric acid plant at the present place of crude picric acid plant. According to the above mentioned reason we do not yet operate the equipments of crude picric acid plant.

The List for Machine, Apparatus and Equipment of Each Plants

Name of Equipments	Code No. of Inventory Sheet	Name of Machine and Apparatus	Class	Division of Owned
Crude	11-16-1	Centrifugae Machine	1	State Owned
Picric Acid	11-16-2	"	2	"
Equipments	11-16-3	"	1	"
	11-16-4	"	1	"
	11-16-5	Moter with Reducer	1	"
	11-16-6	"	1	"
	11-16-7	"	1	"
	11-16-8	Centrifugal Pump with Moter	1	"
	11-16-9	"	1	"
	11-16-10	Nitrater	2	"
	11-16-11	"	2	"
	11-16-12	Desulphurater Tank	1	"
	11-16-13	"	1	"
	11-16-14	Acid Measuring Tank	1	"
	11-16-15	"	1	"
	11-16-16	"	1	"
	11-16-17	Tank	1	"
	11-16-18	"	1	"
	11-16-19	"	1	"
	11-16-20	"	1	"
	11-16-21	"	1	"
	11-16-22	Waste Acid Measuring Tank	1	"
	11-16-23	"	1	"
	11-16-24	Mixed Acid Rettle	1	Privstely Owned
	11-16-25	Mixed Acid Montejus	1	"
	11-16-26	Washing Bath	2	"
	11-16-27	"	2	"
	11-16-28	Waste Acide Treating Tank	2	"
	11-16-29	"	2	"
	11-16-30	Waste Acid Stock Tank	1	"
	11-16-31	Waste Acid Montejus	1	"
	11-16-32	"	1	"
	11-16-33	"	1	"
	11-16-34	Mixed Acid Measuring Tank	1	"
	11-16-35	"	1	"
	11-16-36	Salphuric Acid Montejus	1	"
Repairing Equipments	11-5(139)-1	Lathe	2	State Owned
	11-5(139)-2	Drilling Machine	1	"

Present Circumstances of Fukuyama  
Dyestuffs Works, Nippon Kayaku Co., Ltd.

15 Feb., 1951

1. Name of Company

Head Office : Nippon Kayaku Co., Ltd.

Factory : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

a. President or Representative

President : Yasusaburo Hara

Factory Manager: Keijiro Ohta

b. Location

Head Office Location : 15-5, Ichiban-cho, Chiyoda-ku, Tokyo

Factory Location : 1022-1, Irifune-cho, Fukuyama City,  
Hiroshima Prefecture

c. Capital :

¥ 500,000,000.

d. Established(Fukuyama Dyestuffs Works) :

13 November, 1916

2. Total Employed :

	Total Employed		Average Ages
Employees	Male	574	32 Years old
	Female	30	23 "
	Total	604	Average 32

3. Average Monthly Wages :

	Average Monthly Wages	
Employees	Male	¥ 12,678.11
	Female	" 7,341.12
	Average	" 12,408.65

4. Working Hours :

Working Hours		
Clerks	Male	7 hours
	Female	"
Workers	Male	"
	Female	"

Remarks: We work in 3 shifts in one day. One shift is eight hours of which actual working hour is seven hours, and remaining one hour is for rest.

5. Principal Products Manufactured : (Jan. - Dec., 1950)

Items	Unit	Annual Products	Monthly Products
Sulphur Dyestuffs	kg	1,777,590	148,132.5
Sulphur Vat Dyestuffs	"	42,739	3,561.583
Naphthol (D) Dyestuffs	"	55,562	4,630.167
Basic Dyestuffs	"	7,074	589.5
Dyes for Synthetic Fiber	"	1,332	111
Dyestuffs Total	"	1,884,297	157,024.75
Intermediates	"	1,428,135.1	119,011.258
Dulcin	"	390	32.5
Sodium Sulphide	"	1,068,772	89,064.333
Grand Total	"	4,381,594.1	365,132.341

6. Principal Material Used (Jan. - Dec., 1950)

Items	Unit	Material Used Per Year
98% Sulphuric acid	kg	1,210,000
98% Synthetic nitric acid	"	750,000
Caustic soda	"	470,000
Soda ash	"	465,000
Sulphur	"	610,000
Anhydrous Glauber's salt	"	2,000,000
Monochlorobenzene	"	615,000
Hydrochloric acid	"	170,000
Industrial salt	"	160,000
Pure toluene	"	170,000



## 7. Electricity Problems (Jan. - Dec., 1950)

- a. Average Used Per Month : 197,817 K W H
- b. Average Paid Per Month : \$ 543,610
- c. Assignment Electricity and Actual Use Quantity (Jan., 1951) :
- |               |               |
|---------------|---------------|
| 182,185 K W H | 248,500 K W H |
|---------------|---------------|

## 8. Others

- a. Labor Union Organized or Not : Organized

- b. Welfare Institution for Employee :

We have 69 houses which are rent to employees, bachelor's dormitory, dining room, meeting hall, bicycle-yard, undressing room, bath room, medical office and monetary circulation system etc.

## 9. Coal Problems (Jan. ~ Dec. 1950)

- a. Coal Used Per Year 14,278,977<sup>Kg</sup>
- b. Average Used Per Month 1,189,915 "
- c. Actual Use Quantity in Jan., 1951 1,200,414 "

SUBJECT: Plant statistics

22 Aug., 1950

1. Name of Company

Head Office : Nippon Kayaku Co., Ltd.

Factory : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

a. President or Representative

President : Yasusaburo Hara

Factory Manager: Keijiro Ohta

b. Location

Head Office Location : 15-5, Ichiban-cho, Chiyoda-ku, Tokyo

Factory Location : 1022-1, Irifune-cho, Fukuyama City,  
Hiroshima Prefecture

c. Capital :

¥ 500,000,000.

d. Established :

13 November, 1916

2. Total Employed :

	Employees		Average Ages
	Clerks	Male	103
Female		0	0 "
Workers	Male	463	32 "
	Female	32	22 "
Total		598	31 "

3. Average Monthly Wages :

	Average Monthly Wages	
	Clerks	Male
Female		0
Workers	Male	10,622
	Female	6,474
Total		11,333

11-16 Dec. II

4. Working Hours :

Working Hours		
Clerks	Male	7 hours
	Female	"
Workers	Male	"
	Female	"

Remarks: We work in 3 shifts in one day. One shift is eight hours of which actual working hour is seven hours, and remaining one hour is for rest.

5. Principal Product Manufactured :

Items	Unit	Annual Products	Monthly Products
Sulphur Dyestuffs	Kg	1,029,289	85,774
Sulphur Vat Dyestuffs	"	43,735	3,645
Naphthol (D) Dyestuffs	"	15,400	1,283
Basic Dyestuffs	"	8,556	713
Dyestuffs Total	"	1,096,980	91,415
Intermediates	"	1,189,916	99,160
Dulcin	"	2,411 <sup>210</sup>	201
Sodium Sulphide	"	631,944	52,662
Grand Total	"	2,921,251 <sup>210</sup>	243,438

6. Principal Material Used

(For Period 1 July 1949 to 30 June 1950)

Items	Unit	Material Used Per Year
98% Sulphuric acid	Kg	790,000
98% Synthetic nitric acid	"	610,000
Caustic soda	"	238,000
Soda ash	"	303,000
Sulphur	"	275,000
Anhydrous Glauber's salt	"	1,390,000
Monochlorobenzene	"	682,000
Hydrochloric acid	"	58,000
Industrial Salt	"	80,000
Bare toluene	"	57,000

7. Electricity Problems (For Period 1 July 1949 to 30 June 1950)

a. Average Used Per Month: 163,512 K W H

b. Average Paid Per Month: \$ 335,491 (Including over consumption)

c. Assignment Electricity and Actual Use Quantity (June, 1950):

	into 158,000 KWH	165,300 KWH
	July 194,000	194,700
8. Others	Aug 178,000	Aug. 20 131,000 (20,000 expected to be used)
	Sept 158,000	
a. Labor Union Organized or Not:	Organized	

b. Welfare Institution For Employee:

We have 69 houses which are rent to employees, bachelor's dormitory, dining room, meeting hall, bicycle-yard, undressing room, bath room, medical office and monetary circulation system etc.

c. Other Matters: None

NIPPON KAYAMU SEIZO KK. 11-16  
FUKUYAMA DIESTUFFS WKS  
Section 1D.

DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS

1D

Section 1D. Maintenance Materials

NIPPON KAYAKU SEIZO KK 11-16  
FUKUYAMA DIESTUFFS WKS  
Section 1E.

DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS

1E

NIPPON KAYAKU SEIZO KK. 11-16  
FUKUYAMA DIESTUFFS WKS  
Section 1F.

DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS

IF





## REPORT ON USE OF REPARATIONS INSTALLATION

11-16  
SEC. 7

a. Name: Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.  
Code No.: 11-16 / 11-5(139)

b. Address : Hiroshima Prefecture Date : 8th Feb., 1950

c. Copy of Conversion or Reconversion permit

Incl. No. 1

d. List of items in actual production

Note : Two machinetools of reparation equipments (Code No. 11-5(139)-1 and 11-5(139)-2).  
Our factory is chemical one, and these two machinetools which are authorized to use are used for repairing various equipments in the plant which is not designated as the reparations plant.

e. A copy of application, given date of submission, if an application for a new or change of present conversion or reconversion permit is pending approval from the SCAP.

None

f. List, by code No. and name, of reparations items in authorized use, given date and issuing headquarters of letter of authorization.

Incl. No. 2

g. List, by code No. and name, of reparations items in use without permission for A.U.

None

h. List, by code No. and name, of reparations items an application for A.U. permission, given date of submission of application to the SCAP

None

## REPORT ON USE OF REPARATIONS INSTALLATION

Remark : In our factory except the above mentioned equipments, there are thirty-six equipments viz., (from code No. 11-16-1 to 11-16-36) for manufacturing of Crude Picric Acid. As the copy of Incl. No. 3, these equipments were given conversion permit from Economic and Scientific Section, G. H. Q., on 8th, sept., 1949. However repairing works of piping and transmission take considerable time and there are another problems such as guarding and ground of factory in relation to the Fukuyama city planning, and so they are not yet used.

Incl. No. 1



吳管第五九一號

昭和二十四年三月三十日

日本化驗(株)福山染科工場長殿

企畫課關係(三浦)

吳管財支所長

總司令部の正式使用許可機械リスト送附について

係記について別紙の通り寫を送附する

向本リストは各年六月十八日第二回地方評價調査會でGHQ評價  
担当者光富中尉持参のリストの寫に付寫念

(別紙添)

(終)

寫送附先一聯關係課(企畫、渉外、調査)

COPY

Incl. No. 1

BASIC: Ltr. Hqs Hiroshima Mil Govt Team, APO 317, subject:  
"Reparations Machinery in Authorized Use", dtd 2 Aug  
47.

AG 004 (MG-EM)

1st ind

6 Aug 1947

Headquarters Eighth Army, APO 343

TO: Supreme Commander of the Allied Powers, APO 500  
(Attn: Rep Sect)

The inclosures to the basic communication list additional  
arsenal machinery located in Hiroshima-ken which has been  
authorized for use.

FOR THE COMMANDING

2 incls:  
1 copy each w/d

s/ R. Schafer  
T/ R. SCHAFER  
Lt. Col., AGD  
Asst. Adjutant General

<u>Number</u>	<u>Machine</u>
11-5(139)-1	Lathe
" 2	Drilling machine

Incl. No. 2

Reparations items in Authorized Use				
Code No.	Name	Given Date of Letter of Authorization	Issuing Headquarters of Letter of Authorization	Remark
11-5(139)-1 11-5(139)-2	Lathe Drilling Machine	6 Aug., 1947	Supreme Commander of the Allied Powers.	These items are noted down from Incl. No. 1 in the item(c).

COPY  
incl. no. 3

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

8 September 1949

Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Nihon Kayaku K.K., Fukuyama Dye-stuff Works  
1022, Irifune-cho, Fukuyama City, Hiroshima Prefecture

1. In accordance with Memorandum from the Supreme Commander for the Allied Powers to the Japanese Government, dated 22 November 1946 (SCAPIN-1355), the Nihon Kayaku K. K. is permitted to produce at their Fukuyama Factory located at Fukuyama City the following additional items:

<u>Item</u>	<u>Maximum Quantity</u>
<u>Industrial Crude Picric Acid</u>	<u>8.4 tons per month</u>
_____	_____
_____	_____
_____	_____
_____	_____

2. The temporary use of the following additional reparations machinery is authorized:

<u>Non applicable.</u>	_____
_____	_____
_____	_____
_____	_____

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

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

COPY

Incl. No. 3

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

5. 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:

W. S. VAUGHAN  
Chief, Industry Division

*Received 8 September 1949*

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

8 September 1949

Date

TO: Hiroshima Civil Affairs Team

~~XXXXXXXXXXXXXXXXXXXX~~

SUBJECT: Reconversion Permit for Reparations Plant

1. Inclosed is an Operating Permit for Nihon Kayaku K. K.  
 Name of Company  
Fukuyama Dye-stuff Works 1022 Irifune-cho, Fukuyama City, Hiroshima Pref.  
 Plant Name Address

2. This permit will be granted the company unless the company is not fully complying with current directives effecting operation of the Reparations Plants.

3. If the permit is not given the Supreme Commander will be notified immediately of the reasons for the withholding of the permit and recommendations as to continued operation of the plant. An information copy will be sent direct to the Supreme Commander (Attn: ESS/IN) and action copies forwarded through command channels.

FOR THE CHIEF, ECONOMIC AND SCIENTIFIC SECTION;

*[Signature]*  
W. S. VAUGHAN  
Chief, Industry Division

*File:  
"Conversion Permits"  
Contacted on 17 Sept 49  
asked corp to call  
for permit.*

*2 II*



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

8 September 1949

Date

SUBJECT: Reconversion Permit for Reparations Plant

TO: Nihon Kayaku K. K., Fukuyama Dye-stuff Works  
 1022, Irifune-cho, Fukuyama City, Hiroshima Prefecture

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Item	Maximum Quantity
<u>Industrial Crude Picric Acid</u>	<u>8.4 tons per month</u>
x x x	x x

2. The temporary use of the following additional reparations machinery is authorized:

<u>Non applicable.</u>	

3. A program will be immediately initiated to substitute non-reparations machinery for reparations machinery in temporary use.

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

5. 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:

W. S. VAUGHAN  
 Chief, Industry Division

2

775010

DATE	SUBJECT	ISSUING HEADQUARTERS & INCORSEMENTS
10 Mar. 1950	Request for Release from Reparatons List	CCAR, 5th Ind.

III

III - Exemption of Installation and/or Equipment

775010

602.6 (ABC)

Ltr, Hiroshima Mil Govt Team, Serial No. 1191 subj: "Request for Release from Reparations List", dtd 12 Nov 46.

602.6 (ABC)

AG 004.04 (MG-Em)

4th Ind

54 MAR 1947

Headquarters Eighth Army, APO 343

TO: Commanding Officer, Chugoku Military Government Region, APO 317

NIPPON KAYAKU CO.  
(FUKUYAMA)  
11-16  
III

Attention is invited to the 3rd indorsement.

BY COMMAND OF LIEUTENANT GENERAL EICHELBERGER:

8

*R. Schatner*  
R. SCHATNER  
Lt. Col., AGD  
Asst. Adjutant General

5th Ind

D/RKF/bm

CHUGOKU MILITARY GOVERNMENT REGION, APO 317, Kure, Honshu  
10 March 1947

TO: Commanding Officer, Hiroshima Military Government Team, APO 317

Attention is invited to the 3rd indorsement.

BY ORDER OF COLONEL SNYDER:

*Elza B. Nance*  
ELZA B. NANCE  
Major, Inf.  
Adjutant

Incl:  
n/c

2955

2821

4425

BASIC: Ltr, Hiroshima Mil Govt Team, Serial No. 1191,  
subj: Request for Release from Reparations List,  
dtd 12 Nov 46. M6

3924 AG 387.6(12 Nov 46)ESS/IN 3rd Ind

GENERAL HEADQUARTERS, SUPREME COMMANDER FOR THE ALLIED  
POWERS, APO 500, 27 February 1947

TO: Commanding General, Eighth Army, APO 343

1. Recommendation for the removal of the Nippon Kayaku  
Seizo Company from listing as a privately-owned munitions  
plant in SCAPIN 1134 is not favorably considered.

2. Reference is letter from General Headquarters,  
Supreme Commander for the Allied Powers to Commanding General,  
Eighth Army, AG 387.6, subject: Clarification of SCAPIN  
1134, Subject: Reparations Selections within Privately-  
Owned Munitions Plants, dated 11 January 1947, which explains  
that only certain units of chemical plants will be held in  
custody. The portion of the Nippon Kayaku Seizo Company to  
be held in custody under authority of SCAPIN 1134 is the  
unit for the production of picric acid. All other portions  
of the plant will be released from custody.

BY COMMAND OF GENERAL MacARTHUR:

*W. F. Schmidt*

W F SCHMIDT  
Captain, AGD  
Asst Adj Gen

2955

2821 • 4425

775010

Ltr, Hiroshima Mil Govt Team, APO 317, subject: "Request for Release from Reparations List", dtd 12 Nov 1946.

AG CO4.04 (MG-Em)

2nd Ind.

30 NOV 1946

GHQ. AFPAC  
2 DEC 1946  
AGO RECORDS

Headquarters Eighth Army, APO 343.

TO: Supreme Commander for the Allied Powers, APO 500,  
(Attn: Reparations Branch, ESS/IN)

It is recommended that the Nippon Kayaku Seizo Company be removed from the reparations list as it does not come within the criteria as established by the Supreme Commander for the Allied Powers for privately owned munitions plants.

FOR THE COMMANDING GENERAL:

8

enclosure w/d

*R. Schaffer*

R. SCHAFER  
Lt. Colonel AGD  
Asst. Adjutant General.

RECORDED

2955

2821

4425

A42

775010

BASIC: Ltr Hiroshima Mil Govt Team, APO 317 dtd 12 Nov 1946  
Serial No.1191 Subject: Request for Release from Reparations List

GHQ. AFPAFAG  
23 DEC 1946  
AGO RECORDS

1st Ind

D/EMN/ltn

CHUGOKU MILITARY GOVERNMENT REGION, APO 317, Kure, Honshu, 16 Nov 1946

TO: Commanding General, Eighth Army, APO 343

1. This headquarters recommends approval of subject plant from reparations list.

2/95

*Russell Snyder*

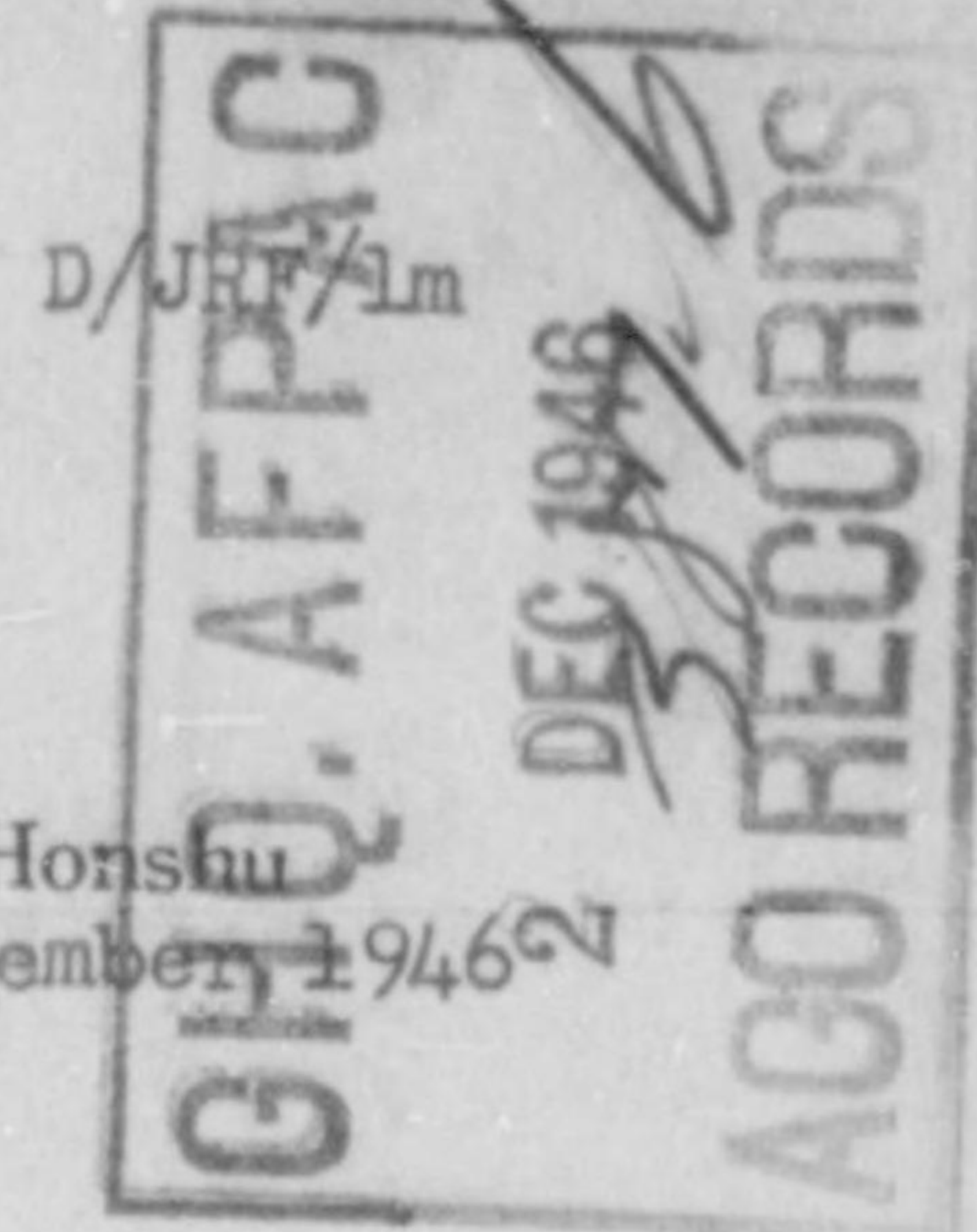
RUSSELL C. SNYDER  
Colonel, F.A.  
Commanding

1 Incl: N/C

2821 2955

5493 • 4425

HEADQUARTERS  
HIROSHIMA MILITARY GOVERNMENT TEAM  
APO 317



Serial No: 1191

Kure, Honshu  
12 November 1946

SUBJECT: Request for Release from Reparations List  
THROUGH: Chugoku Military Government Region, APO 317  
TO : Commanding General, Eighth Army, APO 343

References:

- (a) SCAPIN 1134 dated 13 August 1946.  
(b) O.D. 515 dated 24 September 1946.

1. Request that Nippon Kayaku Seizo Co., Fukuyama City, Hiroshima Prefecture listed on page 5, SCAPIN 1134 be removed from the list.
2. This firm is a Dyestuffs works engaged since before the war in the making of various dyes. The original founding of the company was April 1916. Various explosive chemicals are manufactured as intermediates for dye production.
3. The enclosed report shows the amount of these products produced between 1934 and 1945 and the amounts furnished to the Army and Navy to be 55% of Chloro-Picrin 38.3% of the Dinitro-Chlor-Benzine and 16% of the Dinitro-Toluene.
4. The total production of munition-producing chemicals is only a small portion of the total output and this plant was not designed for munitions or was converted by any change to produce these chemicals.
5. This headquarters recommends removal of this plant from SCAPIN 1134.

*Karl Springer*  
KARL L. SPRINGER  
Lt. Col., Inf.  
Commanding

1 Incl:

Report of Production, Nippon Kayaku.

2821

5493

4425

2955

7628









DATE	SUBJECT	ISSUING HEADQUARTERS & INDORSEMENTS
14 JAN 1949	INDUSTRY & REPARATIONS, NIPPON KAYAKU <sup>DYESTUFF</sup> MFG. CO.	HMST
9 FEB 1949	REPARATION MACHINERY NIPPON KAYAKU CO. LTD	HMST
25 AUG 1949	REPARATIONS MACHINERY, <sup>(FUKUYAMA DYESTUFFS WORKS,</sup> NIPPON KAYAKU CO., LTD.	H CAT
9 SEPT 1949	CUSTODY & MAINTENANCE OF REPARATION MACHINERY, FUKUYAMA DYESTUFFS WORKS NIPPON KAYAKU K.K.	H CAT.
23 DEC. 1949	INSPECTION OF REPARATIONS MACHINERY AT PLANT 11-16 (FUKUYAMA DYESTUFFS)	C.C.A.R.
23 Feb. 1950	Inspection of private munitions plant at (11-16). (11-5(139)) Fukuyama Dyestuff.	C.C.A.R.
22 Aug. 1950	FIELD TRIP REPORT: Mr. Lord. (Inspection of Fukuyama Dyestuffs Works. (Code No. 11-16))	C.C.A.R.
26 July 50	Inspection of Nippon Kayaku Seizo (Fukuyama Dyestuffs Works)	C.C.A.R.
1 Mar. 50	Inspection of Nippon Kayaku (Fukuyama Dye Stuffs Works) Company.	C.C.A.R.

11-16

Section V.

## INSPECTION REPORTS

Field Trip Report - Mr. Armstrong 19 February 1951

(11-16) Nippon Chemical Co. - The original inventory at this installation was 36 items. There have been no changes and the entire number is in dead storage. Custody and maintenance excellent.

Field Trip Report - Mr. Nelson 14 May 1951

(2) Nippon Kayaku Fukuyama Dyestuff K.K.  
11-16, 11-05(139)-2, Fukuyama City

"Present Circumstances of Fukuyama Dyestuffs Works, Nippon Kayaku Co. Ltd., 10 May 1951", is in our file.

Mr. Chta, plant manager, reports that the production of dyestuffs for the month of April 1951 is ¥633,153.6 or an increase of 85% over the last year's average monthly production. Rising prices of principal raw materials used are problems as indicated below.

<u>Items</u>	<u>% of price hike over April 1950</u>
Sulphuric acid	70%
Sulphur	200%
Caustic Soda	200%

The plant is expected to file an application for the production of 23 tons of industrial picric acid per month (broken down as 13 tons for Fukuyama plant and 10 tons for Kokura plant). The plant has been previously granted permission for the production of 8.4 ton of same per month by letter ESS/GHQ, SCAF dated 8 September 1951 but no production of picric acid is in progress.

There are 2 items in A.U. and 36 reparations designated items in the picric acid plant which is not in operation. Maintenance, custody and security of the reparations items were found to be satisfactory.

There is a total of 631 employees and no labor trouble is in sight.

FIELD TRIP REPORT

1 March 1950

1. Purpose:

Inspection of Nippon Kayaku (Fukuyama Dye stuffs Works) Company.

2. Backround:

Surveillance in accordance with O.D. 51.

3. Discussions:

Attached are the reports on the company's brief history, production figures, lay out of the plant and flow sheet which were submitted by the company.

The Major problems of Nippon Kayaku Co. are as follows:

a. From the standpoint of raw materials. The company is facing with a difficulty in the acquisition of Pure Benzene which the company imported from the U.S.A. as follows:

<u>Year</u>	<u>Amount</u>	<u>Price</u>
August 1947	80 ton	¥ 50,000 per ton delivered at Fukuyama . Rly Station.
November 1948	100 ton	

Owing to the change in the central government policy the company will have to buy the Pure Benzene from the Sterling bloc countries in which case the price per ton will be around ¥ 72,000 under the same delivery condition.

b. The present stagnant economic condition is to a certain extent attributable to the current psychology of people in general. The producers are afraid of over production and consumers are anticipating a further price cut in the future with a result transaction is nothing but brisk.

c. Mr. Ohta stated according to his private opinion arising from his own experience in his plant that in order to make a profit by export trade the company must prosecute further rationalization and reduce its production cost. But the government should simplify the procedure regarding export business and lift the existing economic control with the exception of staple foods. In this way the Japanese economy will be brought to normalcy stimulating and pepping up purchasing power and production. Should no definite measures be taken by the government at this time and the present stalemate economic condition be left as it is the Japanese economy will not progress but retrogress and a real economic recession will of necessity come in, Mr. Ohta stated.

11-16 Sec V

d. During the month of November 1949. The company consumed a total of 161,000 KWH and paid ¥ 230,000 for the power. In January the power used by the company amounted to the same but paid ¥ 528,000 or 2.3 times what they paid under the old power rate. When a margin of profit is small this is a serious problem for the company.

e. The company is anxious to catch up with the highly advanced technique of the foreign country. In short the company wished to send its staffs for such purpose and to find actual market situations.

f. Mr. Ohta was of the opinion that so far as Carbanol Blue (Sulphur Vat Dyes ) being produced by the company is concerned, it can compete with the similar kinds of dyes that are produced by any foreign country.

g. The company recently received orders from Bangkok involving 30 ton of dyestuffs.

h. The company has excellent facilities for workers in the way of both house and messhall which is attributable, together with a good labor union leader in the person of Mr. Matsui, to the satisfactory labor relation.

Note: At the messhall a side-dish costing ¥ 7 is being served to workers.

#### 4. Conclusions:

Most vital problem of this company is the effect of the prevailing adverse economic condition and the acquisition through import trade of Pure Benzene is more important than the problem being caused by the new power rate.

#### 5. Recommendations:

Lifting of restrictions by the government is welcomed by the commercial and industrial circles, but it should be adjusted as to make the kind of items they were allowed to import from the U. S.A. available to them from the Sterling bloc countries at approximately the same prices.

Outline of Fukuyama Dyestuff Plant

26 July, 1950

1. Name of Company

Head Office : Nippon Kayaku Co., Ltd.

Factory : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

a. President or Representative

President : Yasusaburo Hara

Factory Manager: Keijiro Ohta

b. Location

Head Office Location : 15-5, Ichiban-cho, Chiyoda-ku, Tokyo

Factory Location : 1022-1, Irifune-cho, Fukuyama City, Hiroshima Prefecture

c. Capital :

¥ 500,000,000.

d. Established :

13 November, 1916

2. Total Employed :

	Employees		Average Ages
	Clerks	Male	103
Female		0	0 "
Workers	Male	463	32 "
	Female	32	22 "
Total		598	31 "

3. Average Monthly Wages :

	Average Monthly Wages	
	Clerks	Male
Female		0
Workers	Male	10,622
	Female	6,474
Total		11,333

11-16 Dec. VII

47700

## 4. Working Hours :

	Working Hours	
Clerks	Male	7 hours
	Female	"
Workers	Male	"
	Female	"

Remarks: We work in 3 shifts in one day.  
One shift is eight hours of which  
actual working hour is seven hours,  
and remaining one hour is for rest.

## 5. Principal Product Manufactured :

Items	Unit	Annual Products	Monthly Products
Sulphur Dyestuffs	Kg	1,029,289	85,774
Sulphur Vat Dyestuffs	"	43,735	3,645
Naphthol (D) Dyestuffs	"	15,400	1,283
Basic Dyestuffs	"	8,556	713
Dyestuffs Total	"	1,096,980	91,415
Intermediates	"	1,189,916	99,160
Dulcin	"	2,411 <sup>210</sup>	201
Sodium Sulphide	"	631,944	52,662
Grand Total	"	2,921,251 <sup>210</sup>	243,438

## 6. Principal Material Used

(For Period 1 July 1949 to 30 June 1950)

Items	Unit	Material Used Per Year
98% Sulphuric acid	Kg	790,000
98% Synthetic nitric acid	"	610,000
Caustic soda	"	238,000
Soda ash	"	303,000
Sulphur	"	275,000
Anhydrous Glauber's salt	"	1,390,000
Monochlorobenzene	"	682,000
Hydrochloric acid	"	58,000
Industrial Salt	"	80,000
Bare toluene	"	57,000



7. Electricity Problems (For Period 1 July 1949 to 30 June 1950)

- a. Average Used Per Month: 163,512 K W H
- b. Average Paid Per Month: \* 335,491
- c. Assignment Electricity and Actual Use Quantity (June, 1950):
 

158,000 KWH	165,300 KWH
-------------	-------------

8. Others

- a. Labor Union Organized or Not: Organized
- b. Welfare Institution For Employee:

We have 69 houses which are rent to employees, bachelor's dormitory, dining room, meeting hall, bicycle-yard, undressing room, bath room, medical office and monetary circulation system etc.

- c. Other Matters: None

2.4 (789)  
 al  
 510,000  
 190,000  
 cover July 50

26 July, 1950

## 1. Name of Company

Head Office : Nippon Kayaku Co., Ltd.

Factory : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.

## a. President or Representative

President : Yasusaburo Hara

Factory Manager: Keijiro Ohta

## b. Location

Head Office Location : 15-5, Ichiban-cho, Chiyoda-ku, Tokyo

Factory Location : 1022-1, Irifune-cho, Fukuyama City,  
Hiroshima Prefecture

## c. Capital :

¥ 500,000,000.

## d. Established :

13 November, 1916

## 2. Total Employed :

	Employees		Average Ages
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Female		0	0 "
Workers	Male	463	32 "
	Female	32	22 "
Total		598	31 "

## Average Monthly Wages :

	Average Monthly Wages	
	Clerks	Male
Female		0
Workers	Male	10,622
	Female	6,474
Total		11,338

## 4. Working Hours :

Working Hours		
Clerks	Male	7 hours
	Female	"
Workers	Male	"
	Female	"

Remarks: We work in 3 shifts in one day.  
One shift is eight hours of which  
actual working hour is seven hours,  
and remaining one hour is for rest.

## 5. Principal Product Manufactured :

Items	Unit	Annual Products	Monthly Products
Sulphur Dyestuffs	Kg	1,029,289	85,774
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- b. Average Paid Per Month: ₹ 335,491
- c. Assignment Electricity and Actual Use Quantity (June, 1950):
 

158,000 KWH	165,300 KWH
-------------	-------------

8. Others

- a. Labor Union Organized or Not: Organized
- b. Welfare Institution For Employee:

We have 69 houses which are rent to employees, bachelor's  
dormitory, dining room, meeting hall, bicycle-yard,  
undressing room, bath room, medical office and monetary  
circulation system etc.

- c. Other Matters: None

Dear Sir,

We are very glad to have your honourable investigation today for our factory and we express our hearty thanks for your kind visiting. We have prepared the under documents for convenience of your investigation.

We are very glad if these records are of use for your survey.

Items of Data

- (1) Present circumstances of Fukuyama Dyestuffs Works,  
Nippon Kayaku Co., Ltd.,
- (2) Productive Capacity and Facilities
- (3) Actual Production of Dyestuffs, Intermediates and Others  
(Jan.~ Dec. 1949)
- (4) Flow Sheets.
- (5) Disposition on a map of our works.
- (6) Sample Card

1st, March, 1950

*Keijiro Ohta.*  
Keijiro Ohta

Manager of Fukuyama Dyestuffs  
Works, Nippon Kayaku Co., Ltd.

Present circumstances of Fukuyama  
Dyestuffs Works, Nippon Kayaku Co., Ltd.

(March 1, 1950)

1. Company Name : Nippon Kayaku Co., Ltd.  
(Nippon Chemicals and Medicines Co., Ltd.)
2. Head Office Location : 5,15 Ichibancho, Chiyodaku, Tokyo.
3. Factory Name : Fukuyama Dyestuffs Works, Nippon Kayaku Co., Ltd.
4. Factory Location : Irifune-cho Fukuyama City, Hiroshima Prefecture
5. Factory Manager : Keijiro Ohta
6. Numbers of Workers :
 

A. Officers-----	105
Item Chemists	61
Clerks	44
B. Other Workers-----	500
Item Men	467
Women	33
C. Total-----	605

7. Our Factory's History

Hiroshima and Okayama Prefectures are the textiles industry area and at the same time the center of dyestuffs industry. Fukuyama Dyestuffs Works is located at the most convenient place in respect of the demand and supply relation-ship. Beyond this, it is closely connected with Osaka, a great market for dyestuffs, by rail or by sea within a day or a half distance.

Our Factory was established in 1916, and since then we have been engaged in manufacturing of synthetic dyestuffs and intermediates of tar origin. By the air-raid in August 1945, two-third portion of the whole plants were burnt to ashes, but these plants have been recovered mostly.

We were designated as a munition factory for an <sup>u</sup>subject of reparation on 24th August 1945 and duly instructed with regard to the custody and preservation of the factory.

But we had been engaged in manufacturing of dyestuffs and intermediates even during the war-time and delivered only Crude <sup>Picric</sup> Acid being a material of sulphur dyestuffs to military concern and that the quantity was very small compared to the whole dyestuffs production of our factory.

However, to our gladness, SCAP understood well our above mentioned circumstances and we have been informed that our factory has been removed from reparations list with the exception of the part producing picric acid. Nowadays we are making very efforts to the preservation of the reparations part which was producing picric acid, and at the same time engaging in producing dyestuffs and it's intermediates which are very important to the textiles industry.

PRODUCTIVE CAPACITY

On March 1, 1950

Fukuyama Dyestuffs Works,  
Nippon Kayaku Co., Ltd.

Dyestuffs (Unit : Ton/month)

	<u>Designed Capacity</u>	<u>Full Capacity</u>	<u>Workable Capacity</u>
<u>Basic Dyes:</u>			
Methyl Violet	4	2.2	2.2
Total	4	2.2	2.2
<u>Sulphur Dyes:</u>			
Sulphur Brilliant Green 4G	4	4	3
Sulphur Blue RC	30	30	27
Sulphur Blue TFB	8	8	8
Sulphur Blue 4R	1	1	1
Sulphur Indigo R	2	2	2
Sulphur Red Brown 9R	3	2.5	2.5
Sulphur Naphthalene Brown R	6	6	6
Sulphur New Blue BL (CLG)	2	2	2
Sulphur Black B	300	300	300
Sulphur Black R	15	15	15
Sulphur Black LBB	10	10	10
Total	381	380.5	376.5
<u>Sulphur Vat Dyes:</u>			
Carbanol Blue LB	10	10	10
Carbanol Blue LR	4	4	4
Carbanol Blue BX	1	1	1
Carbon D	3	0	0
Total	18	15	15
<u>Naphthol Dyes (Developer):</u>			
Fast scarlet G Base	4	3	3
Fast Scarlet RC Base	1	1	1
Fast Red B Base	1	0.5	0.5
Fast Red RL Base	1	0.5	0.5
Fast Garnet GBC Base	1	1	1
Fast Red 3GL Salt	3	1	1
Total	11	7	7
Grand Total	414	404.7	400.7

Intermediates and Others (Unit : Ton/month)

p-Nitrochlorobenzene	46	46	46
o-Nitrochlorobenzene	18	15	15
Dinitro-Chlorobenzene	180	100	100
Nitrobenzene	25	25	25
p-Nitrotoluene	9	9	9
Nitrotoluene	25	25	25
o-Nitrotoluene	16	16	16
p-Nitrophenol	4	4	4
p-Toluidine	3	3	3
o-Toluidine	5	5	5
o-Anisidine	1	1	1
Phenol	50	35	35
Aniline	10	10	10
o-Nitroanisol	11	10	10
p-Phenetidine	3	2.5	2.5
Dianisidine	3	2.5	2.5
Phenyl Peri Acid	2	1.5	1.5
Amino L-Acid	0.6	0.6	0.6
p-Amidophenol	2.5	2.5	2.5
Total	414.1	313.6	313.6
Dulcin	2	2	2
Sodium Sulphide	100	90	90

PRODUCTIVE FACILITIES

a) Ground

Division	Area
Plant	108,377. m <sup>2</sup>
Boarding house etc.	35,490.
Total	143,867.

b) Building

Division	No. of Ridge	Building Area	Total area of all floors
Plant	100	19,750. m <sup>2</sup>	23,106. m <sup>2</sup>
Store house	22	5,361.	6,804.
Dwelling	35	3,435.	4,064.
Business office etc.	31	3,222.	3,931.
Total	188	31,768.	37,905.

c) Equipments

There are every kinds of sets for making chemical reaction, distillation, and tanks for stocking materials.



ACTUAL PRODUCTION OF DYESTUFFS  
(Unit : Kg, Yen )

(Jan.

Month	Sulphur Dyes		Sulphur Vat Dyes		Naphtho Prod Quantity
	Production Quantity	Amount	Production Quantity	Amount	
Jan.	105,460	26,341,968	11,040	12,254,400	3,046
Feb.	126,480	36,405,474	9,060	9,961,470	5,700
Mar.	116,657	21,940,757	8,380	9,514,032	9,900
Apr.	168,130	43,321,520	9,780	10,478,292	3,350
May	156,990	42,766,896	6,020	6,784,084	3,700
Jun	152,320	44,522,266	0	0	0
July	106,670	20,260,798	4,260	5,384,640	5,750
Aug.	65,461	11,518,690	0	0	2,600
Sept.	97,717	35,094,570	5,620	6,487,500	0
Oct.	6,370	3,590,990	0	0	0
Nov.	23,739	15,790,750	5,140	2,950,500	0
Dec.	63,000	29,351,180	6,420	1,745,000	0
Total	1,189,014	330,935,859	66,220	65,559,918	25,046

(Jan. Dec. 1949)

Fukuyama Dyestuffs Works,  
Nippon Kayaku Co., Ltd.

Naphthol (D) Dyes		Basic Dyes		Total	
Production Quantity	Amount	Production Quantity	Amount	Production Quantity	Amount
3,046	2,969,850	860	884,940	120,406	42,451,158
5,700	5,046,190	0	0	141,240	51,413,134
900	263,610	0	0	126,447	31,718,399
3,350	3,151,020	184	182,620	181,444	57,133,442
3,700	1,083,730	1,260	1,250,550	167,950	51,885,260
0	0	800	794,000	153,130	45,316,266
5,750	2,650,750	1,420	1,141,680	118,100	29,437,868
2,600	1,040,000	0	0	68,061	12,558,690
0	0	0	0	103,337	41,582,070
0	0	24	19,200	6,394	3,610,190
0	0	1,599	1,279,200	30,478	20,020,450
0	0	152	121,600	69,572	31,247,780
25,046	16,205,140	6,299	5,573,790	1,286,579	418,374,707

ACTUAL PRODUCTION OF INTERMEDIATES AND OTHERS  
(Unit : Kg, Yen)

Jan. ~ Dec. 1949  
Fukuyama Dyestuffs Works,  
Nippon Kayaku Co., Ltd.

Month	Intermediates		Dulcin		Sodium Sulphide	
	Production Quantity	Amount	Production Quantity	Amount	Production Quantity	Amount
Jan.	124,551	29,095,790	0	0	57,022	2,978,058
Feb.	109,120	28,510,824	0	0	62,353	3,595,189
Mar.	61,998	26,347,508	0	0	56,040	3,126,053
Apr.	90,215	39,045,051	0	0	70,267	3,539,365
May	93,456	43,788,533	0	0	67,060	4,311,487
Jun	164,708	37,740,804	1,007.210	7,050,470	68,800	3,789,230
July	158,692	46,652,564	815.	5,705,000	66,600	3,408,762
Aug.	79,607	25,147,165	40	280,000	43,833	2,571,588
Sept.	74,186	35,713,668	0	0	47,680	2,611,408
Oct.	90,045	40,552,304	0	0	0	0
Nov.	58,909	31,284,873	0	0	0	0
Dec.	38,767	18,941,732	360.	2,340,000	60,080	3,516,026
Total	1,144,264	402,820,816	2,222.21	15,375,470	599,735	33,447,166

Raw-material

Intermediate

Chloro-benzene

O-Nitro-chlor-benzene

P-Nitro-chlor-benzene

Dinitro-chlor-benzene

Benzene

Aniline

O-nitro

O-nitro

p-Phen

p-Amis

p-Nitro

p-Nitro

Dinitro

Dinitro

Diortho

Diortho

2nd sheet

Intermediates

Products

O-Nitro-chlor-benzene	O-Nitro-Anisole	O-Anusidine	Guajacole
		Dianusidine	Direct colors
	O-nitro-phenol		Sulphur-black and Other medicines
p-Nitro-chlor-benzene	p-Phenetol	Phenetidine	Phenacetin Dulcin
	p-Anusidine		Variamin blue
	p-Nitro-phenol	Amido-phenol	Amido-phenol Sulphur bordeaux Antiseptics Acid blue-black
	p-Nitro-aniline		Paramine Sulphur black
Dinitro-chlor-benzene	Dinitro-anisole		Scarlet RC base
	Dinitro-phenol		Amidol Sulphur Arseno-benzene Picric-acid Direct black and
	Diphenyl-amine		Sulphur Indigo
Aniline			p-Amido-diphen
	Aceto-anilide		Aceto-anilide Sulpho-amide Antipirenes Methyl-Violet

		Products	Remarks
isole	O Amisidine	Guajacole	Medicine
	Diamisidine	Direct colors	Dyestuff
phenol		Sulphur-black and Other medicines	" Medicine
	Phenetidine	Phenacetin Dulcin	"
ne		Variamin blue B	Dyestuff
		Amido-phenol	Photo-chemicals
phenol	Amido-phenol	Sulphur bordeaux carbon olive etc	Dyestuff
		Antiseptics	Chemicals
		Acid blue-black	Dyestuff
miline		Paramine	"
		Sulphur black bordeaux	"
anisole		Scarlet RC base	"
		Amidol	Photo-chemicals
phenol		Sulphur black B	Dyestuff
		Arseno-benzene	Medicines
		Pieric-acid	Dyestuff
		Direct black and other Azo colors	" Agricultural insecticide Dyestuff
l-amine		Sulphur Indigo	" Dyestuff
		p-Amido-diphenylamine	Photo-chemicals
ilide		Aceto-anilide	Medicines
		Sulpho-amide	"
		Antipirenes	"
		Methyl-Violet	Dyestuff

Benzene

Dinitro-chlor-benzene

Dinitro

Dinitro

Aniline

Dinitro

Aniline

Dinitro

Nitro-benzene

Benzidine

Dinitro-benzene

<sup>m</sup>-nitro-aniline

<sup>m</sup>-phenylen diamine

Phenol

Nitrosophenol

Salicylic acid

O-Nitro toluene

O-Toluidine

Toluene

p-Nitro toluene

p-Toluidine

m-Dinitro toluene

m-Toluyldiamine

Anthracene  
Carbazole

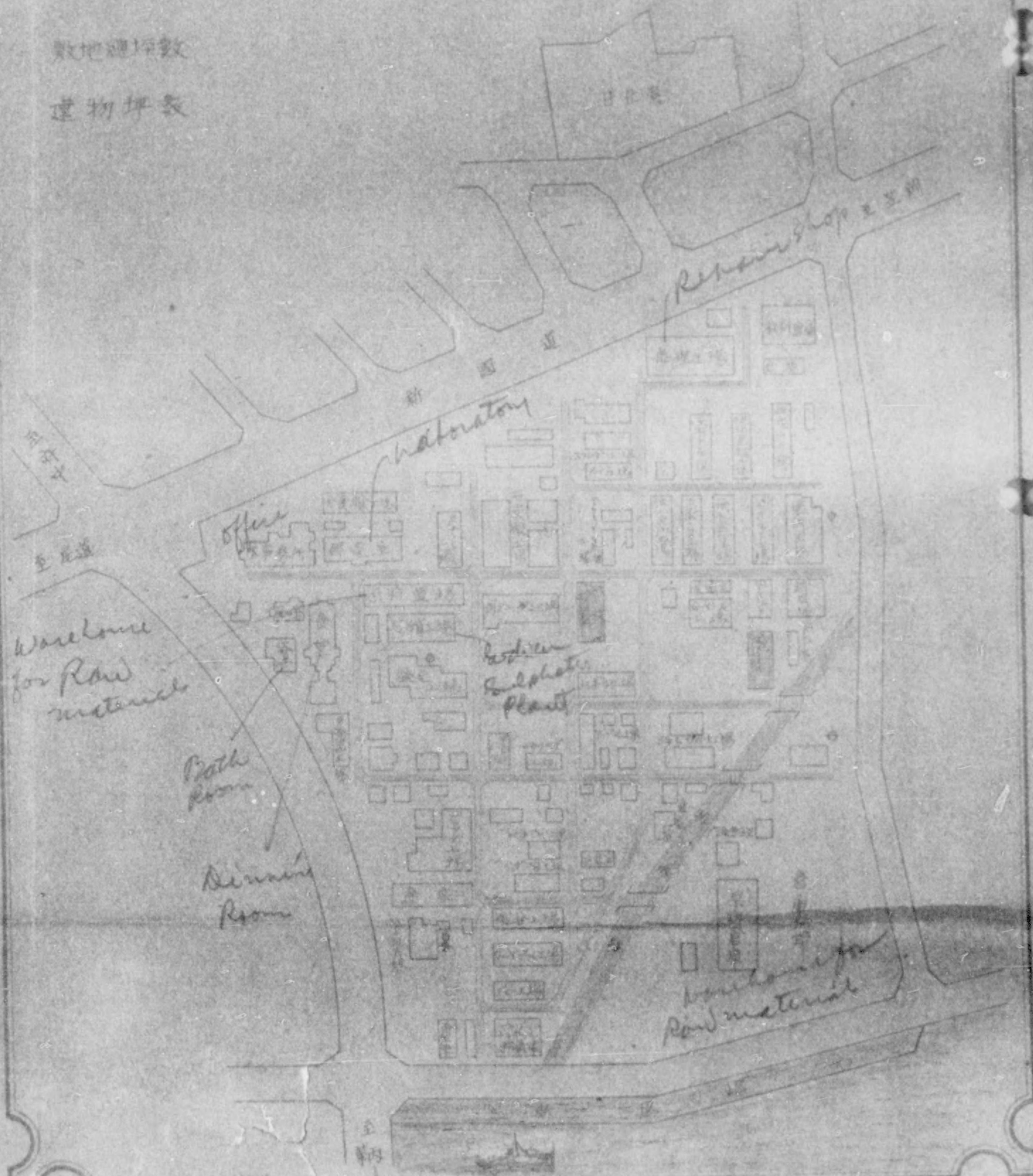
Dinitro-anisole	Scarlet RC base	
Dinitro-phenol	Amidol Sulphur black B	Pho Dyes
	Arsens-benzene Sulphur Black BA	Medic Dyes
	Pieric-acid Sulphur Black 2A Chlor. Picum	Agri Dye
	Direct black and other Azo-colors	Dye
Diphenyl-amine	Sulphur Indigo	Dyes
Aceto-anilide	p-Amido-diphenylamine	Pho M
	Aceto-anilide	
Dimethyl-aniline	Sulpho-amide	Dye
	Antipirenes	
	Methyl-Violet	Dye
	Auramine	
	Rhodamine	
	Sulphur-Olive	Dye
	Carbanol-yellow and	
nine	Direct-colors and bases	
ol	Direct-orange etc	
	Deep-black etc	
	Sulphur-blue	
	" Indigo	
	Carbanol-blue	
	Methyl-Violet	
diamine	Chrysophenin	Med
	Aspirin	
	Phenyl-salicylate	
	Sasa-pirine	
	Diamond-black	Dye
	Sulphur-blue, Sulphur-olive	
	G base	
	Benzo-purpurine	
	Cyananthrol	
	Phthalcyanine	Pign
	Sulphur-khaki, olive, yellow brown	Dye
	Sulphur-yellow, brown, khaki, olive.	
	Vat-olive, khaki	
	Carbanol-blue, yellow,	



isole	Scarlet R C base	
phenol	Amidol	
	Sulphur black B	Photo-chemicals
	Arseno-benzene	Dyestuff
	Pieric-acid	medicines
	Direct black and other Azo colors	Dyestuff
		agricultural insecticide
amine	Sulphur Indigo	Dyestuff
	p-Amido-diphenylamine	Photo-chemical
ide	Aceto-anilide	Medicine
	Sulpho-amide	"
	Antipirenes	"
aniline	Methyl-Violet	Dyestuffs
	Auramine	"
	Rhadamine	"
	Sulphur-Olive	Dyestuffs
	Carbanol-yellow and	"
	Direct-colors and bases	"
	Direct-orange, etc	"
	Deep-black, etc	"
	Sulphur-blue	"
	" Indigo	"
	Carbanol-blue	"
	Methyl-Violet	"
	Chrysophenin	"
	Aspirin	Medicine
	Phenyl-salicylate	"
	Sasa-pirine	"
	Diamond-black	Dyestuffs
	Sulphur-blue, Sulphur-olive	"
	G base	"
	Benzo-purpurine	"
	Cyananthrol	"
	Phthalcyanine	Pigment
	Sulphur- khaki, olive, yellow brown	Dyestuffs
	Sulphur-yellow, brown, khaki, olive.	"
	Vat-olive, khaki	"
	Carbanol-blue, yellow,	"

Layout of Fukuoka  
工場配置圖  
Dye-stuff Works of Nippon  
Kaiyaku Co

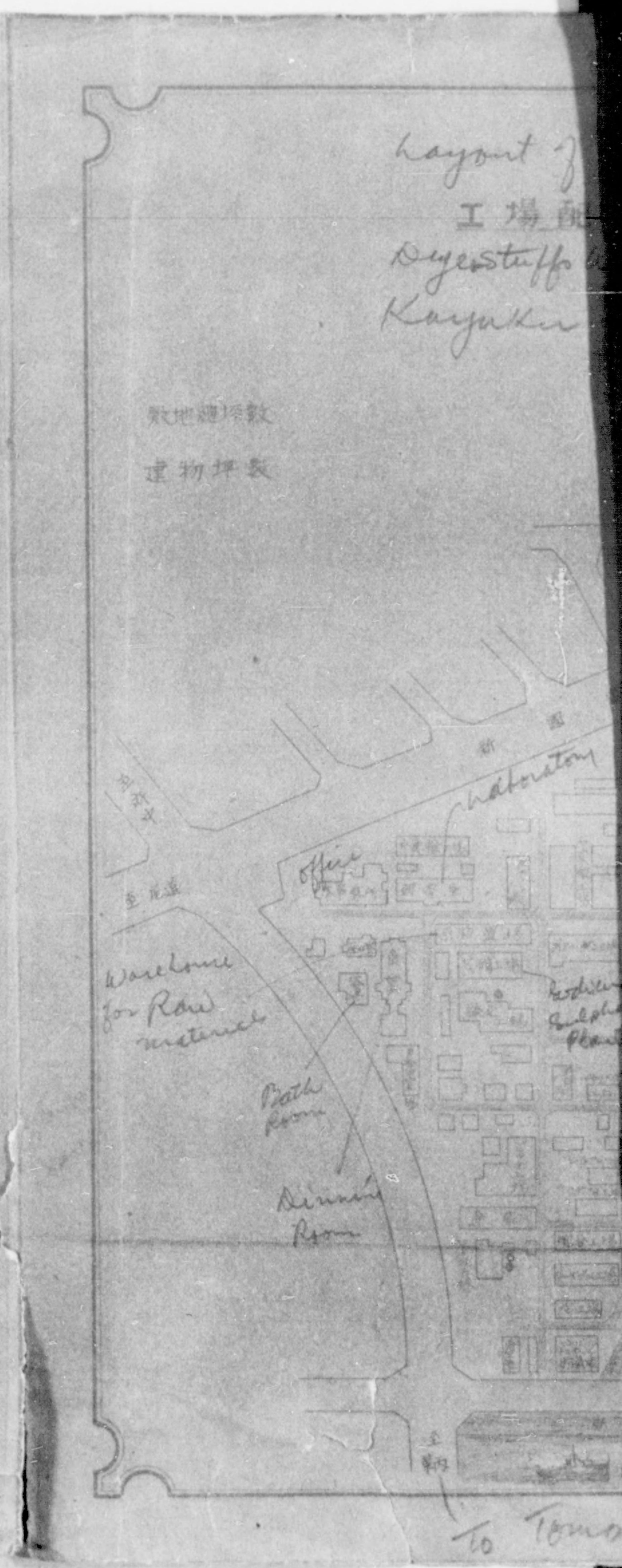
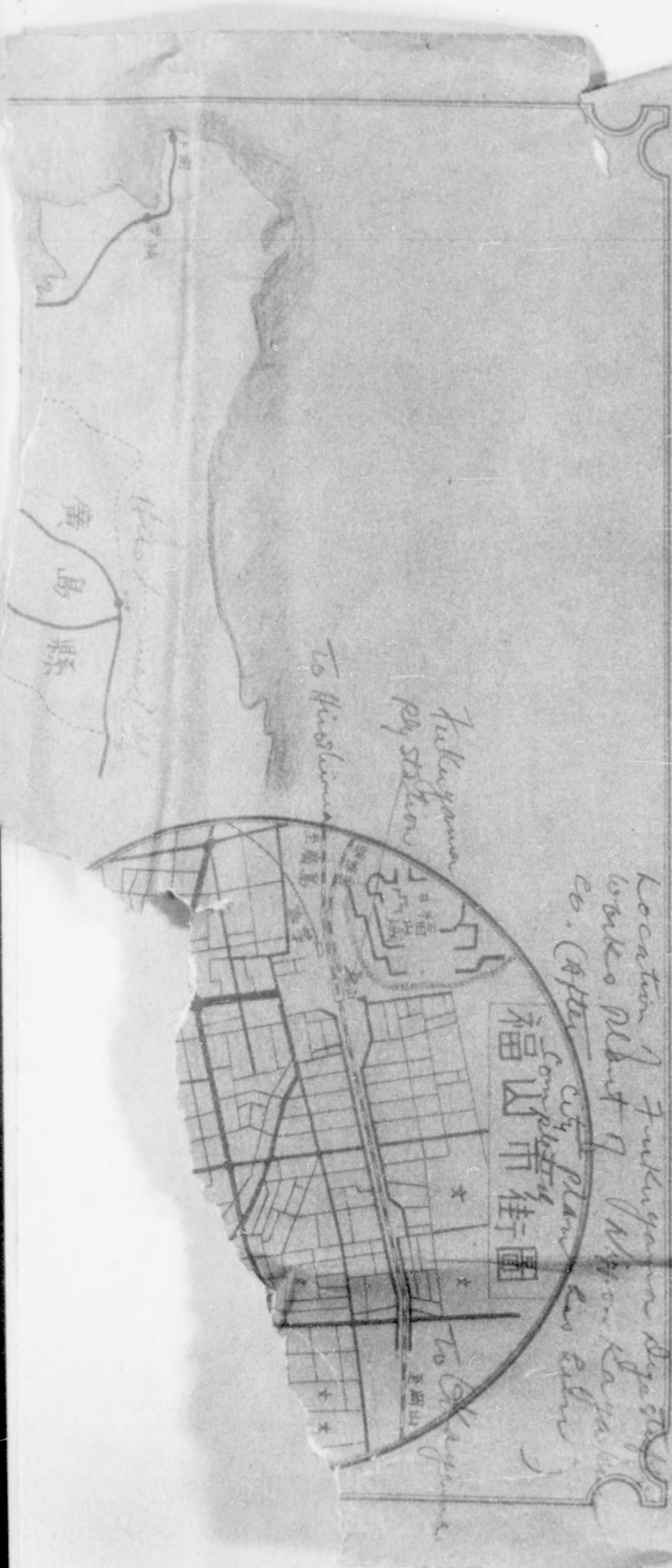
敷地總坪數  
建物坪數



Location of Fukuoka Dye-stuff Works Plant of Nippon Kaiyaku Co. (After city plan for Fukuoka)

To Tomo

775010



Location of Fukuyama Dye-stuff works about 7 miles from Karyaku Co. (After City Plan see above)

Layout of 工場配  
Dye-stuff  
Karyaku

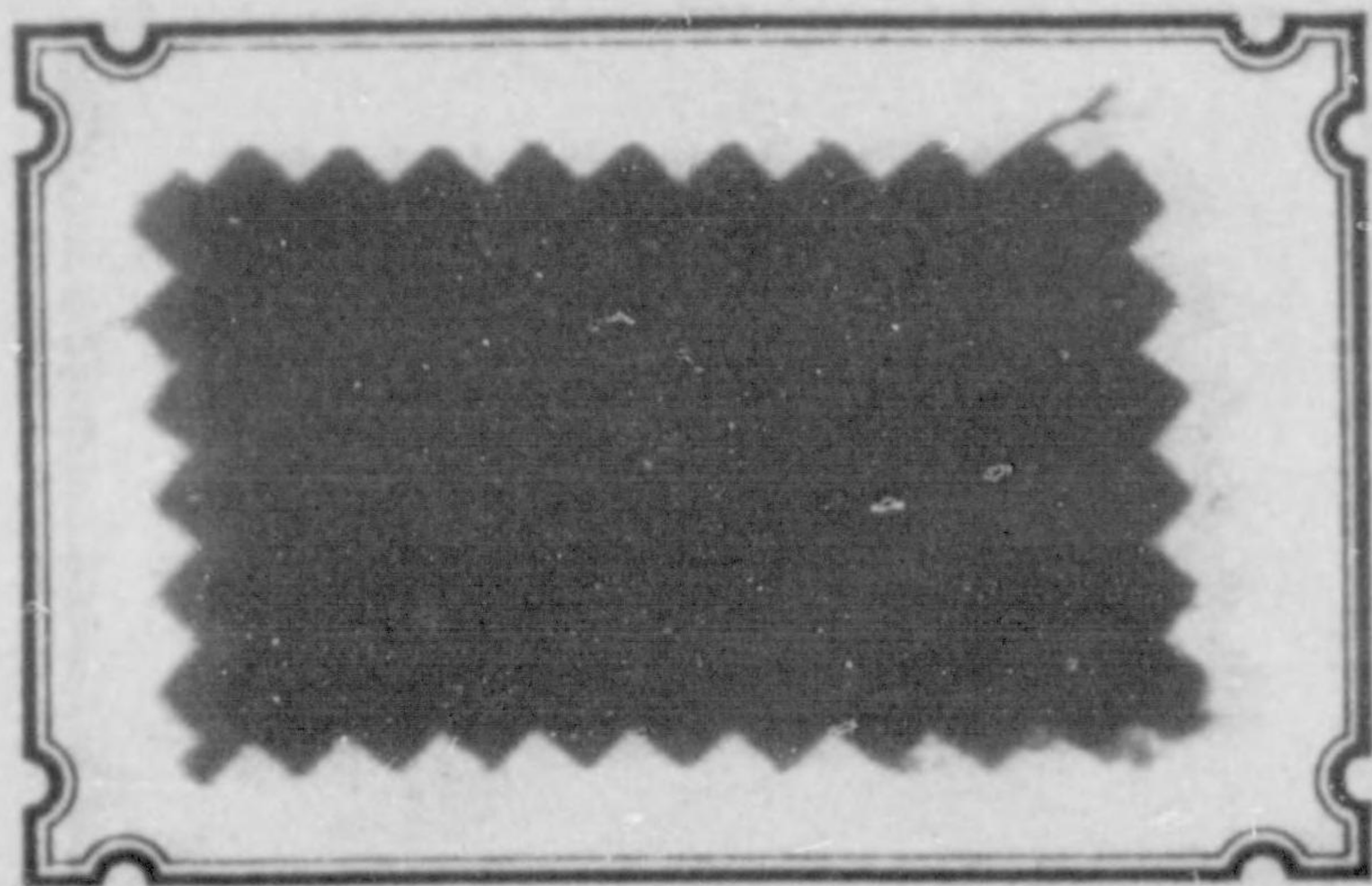
敷地總坪數  
建物坪數

To Tomo

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Fast scarlet G Base



2600  
Feb

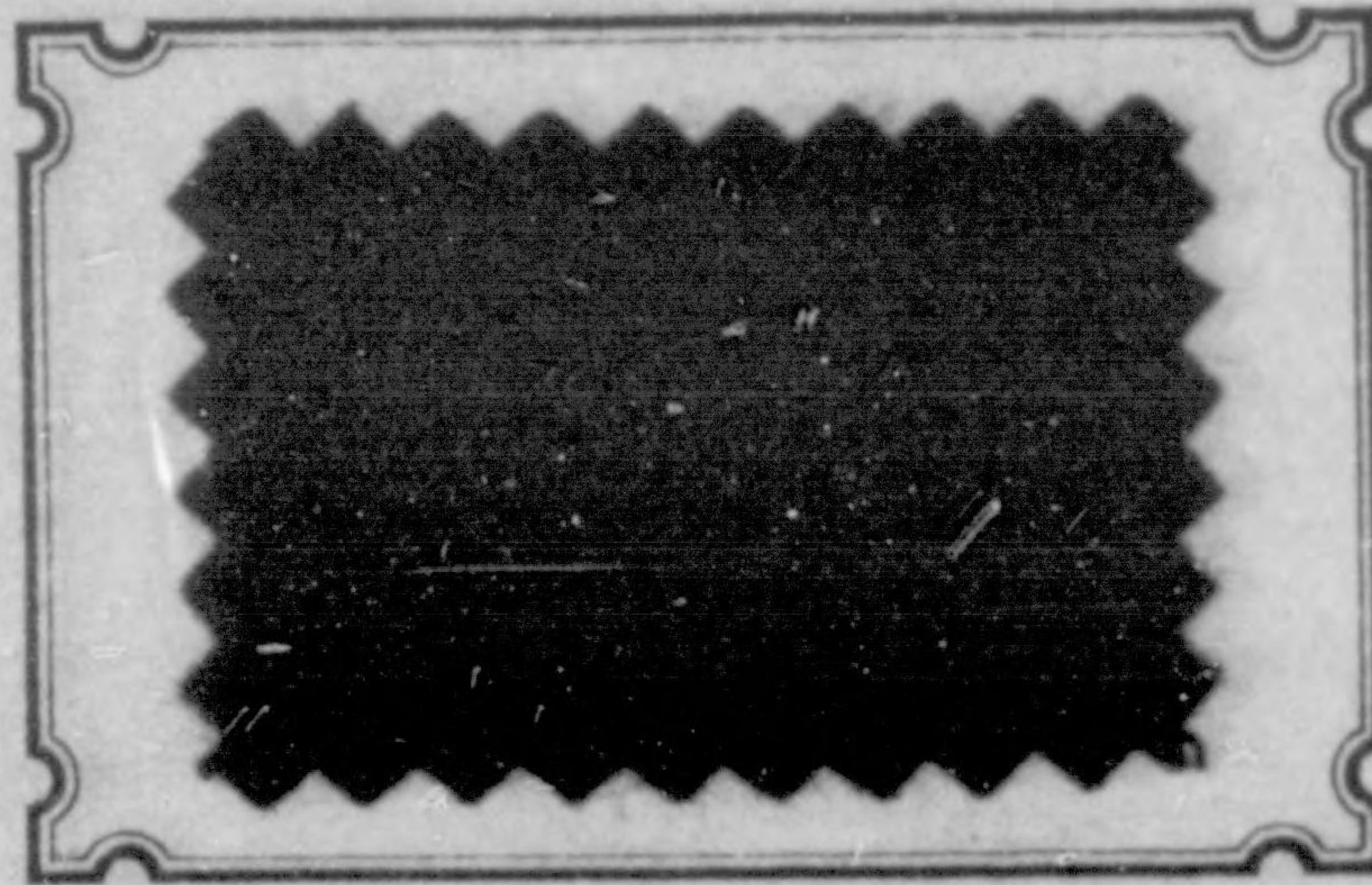
DYES 18/2 %  
(A.S. 484)

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BX 200



Cent  
45  
per  
pale

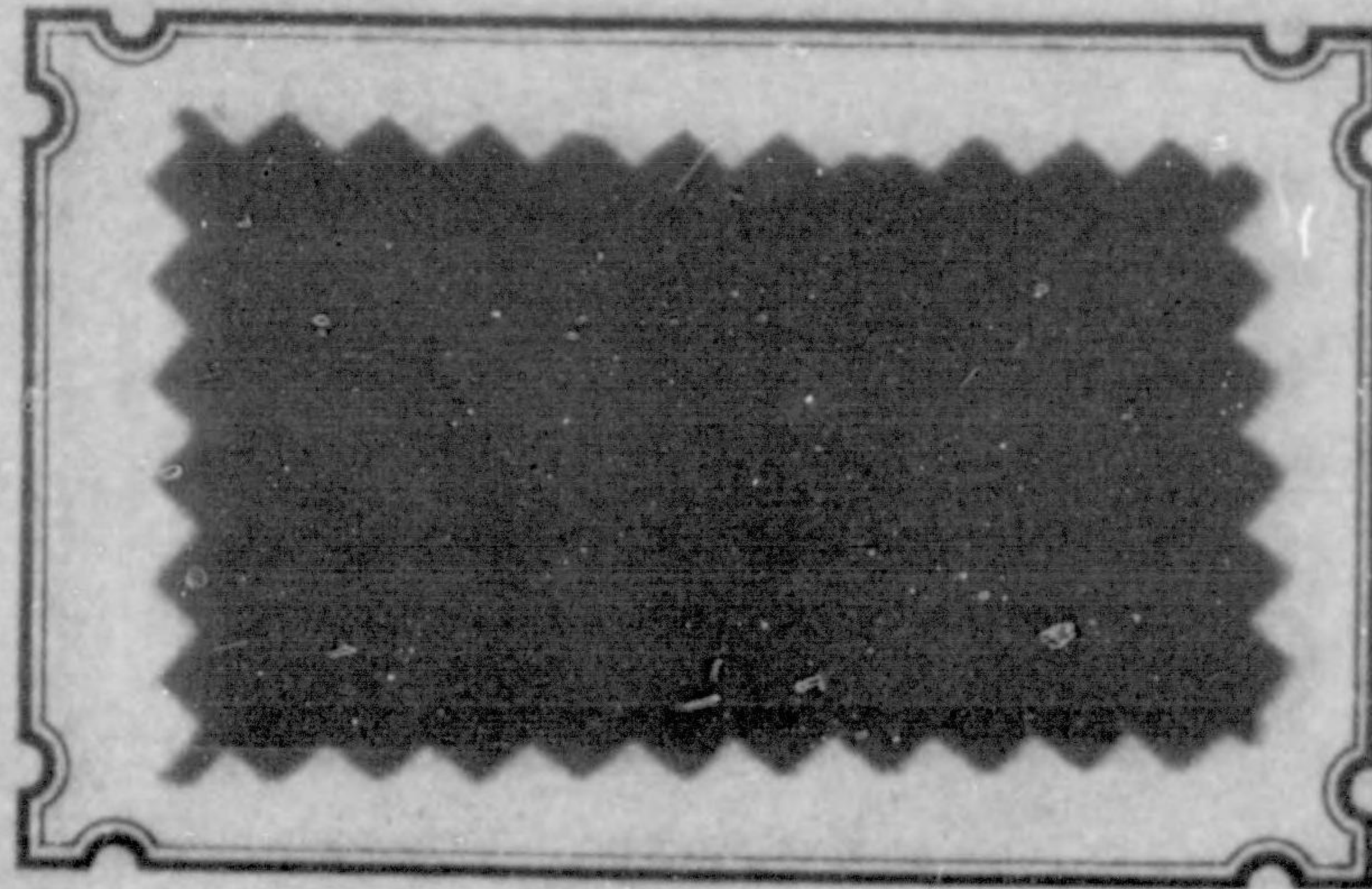
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Orange O



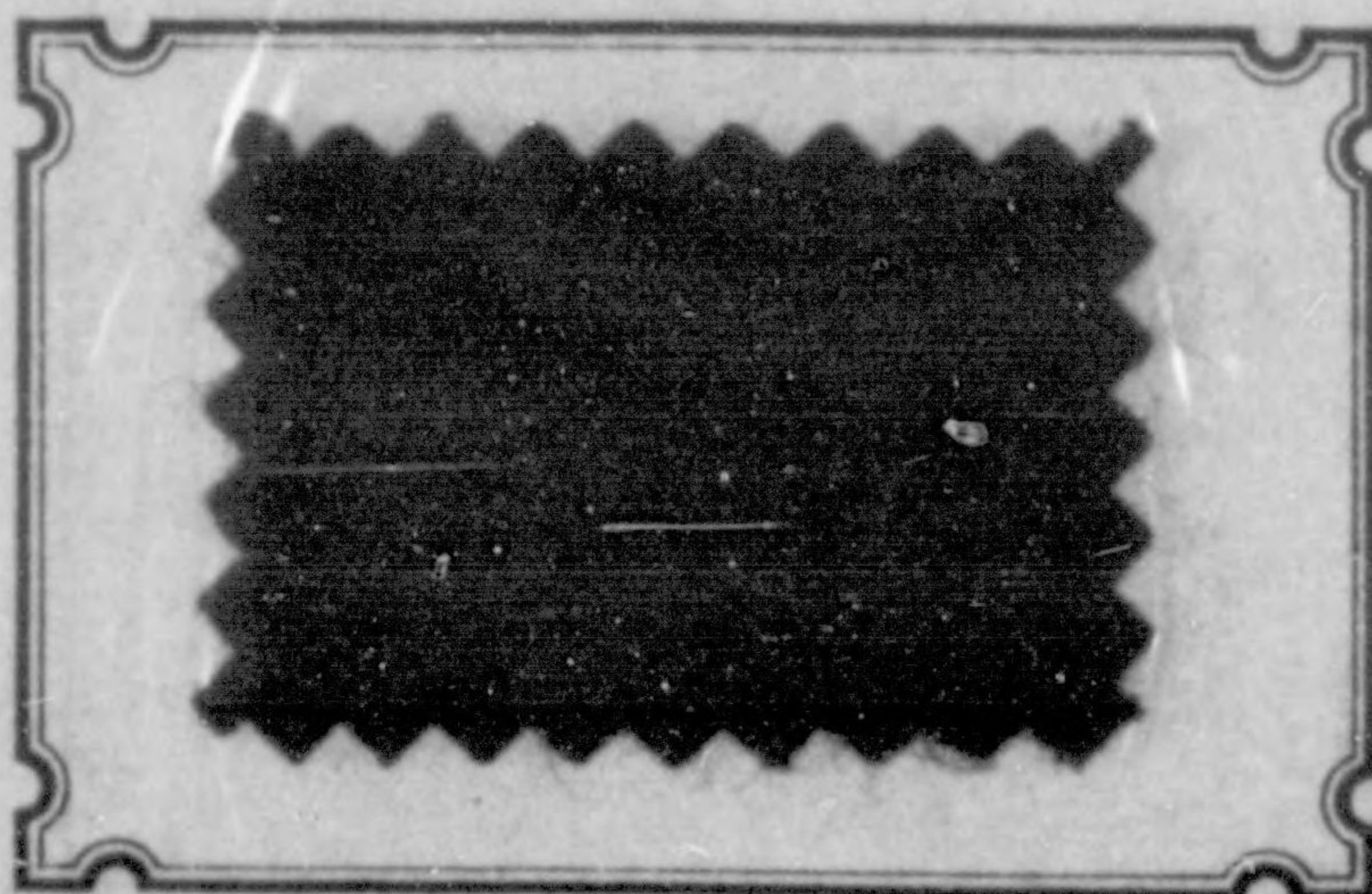
DYES 3 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

Fast Blue B Base  
NAME (Dianisidine Base)



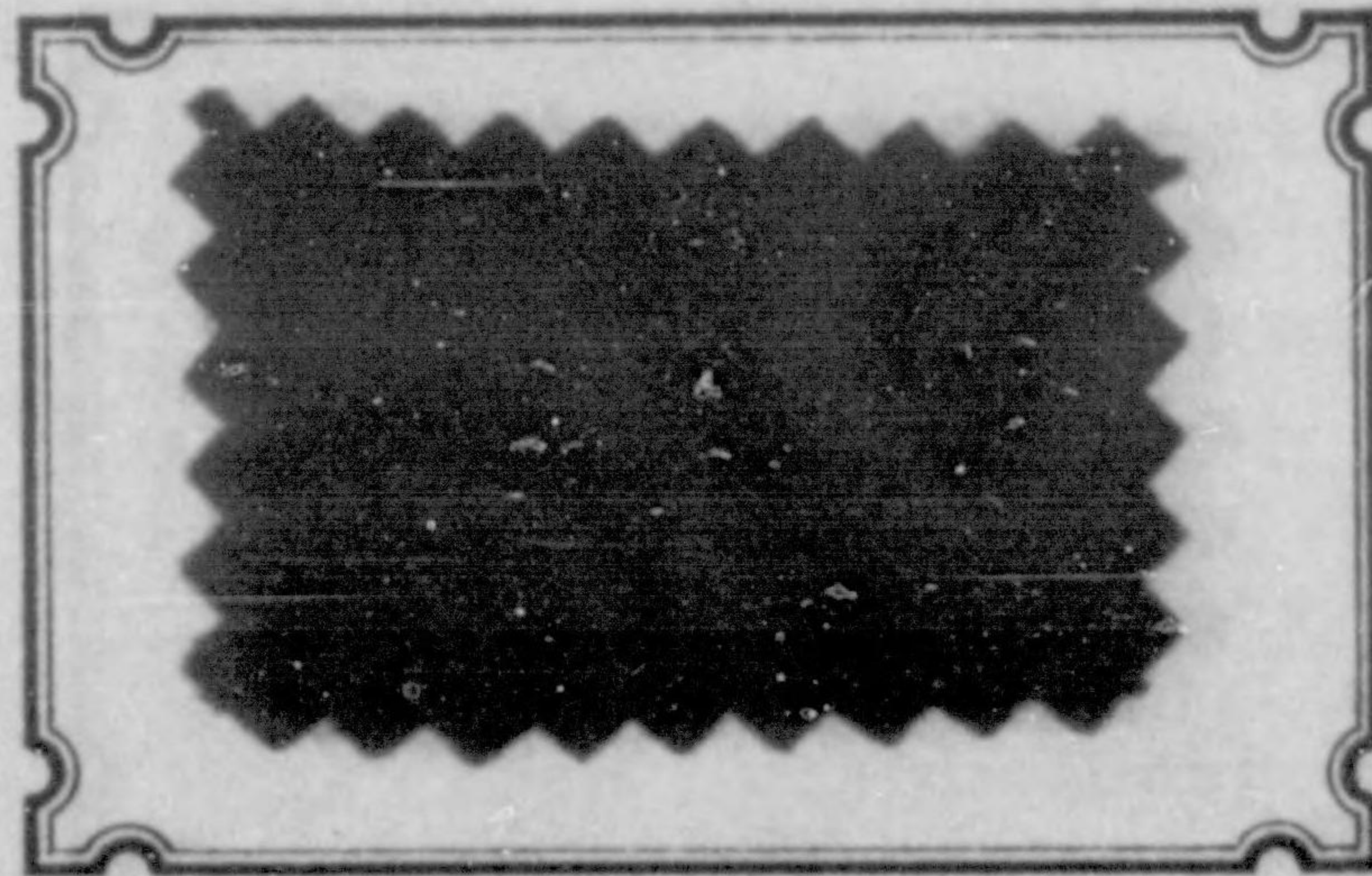
DYES <sup>1g/L</sup>  
(AS 4g/L) %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Naphthalene Brown RC



DYES 10 1%

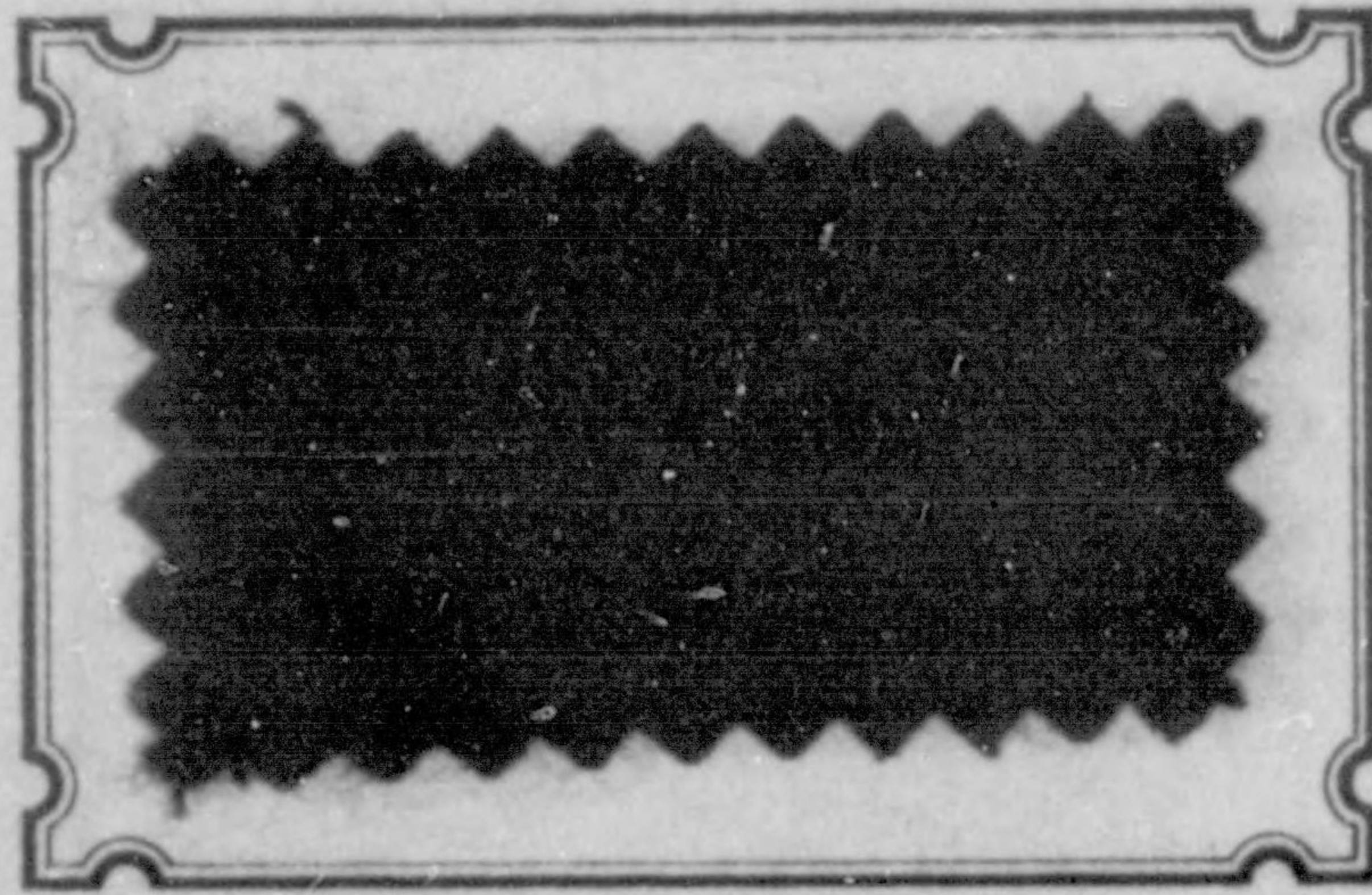
FUKUYAMA DYESTUFFS WORKS 1950



NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BBR 300



DYES 10 %

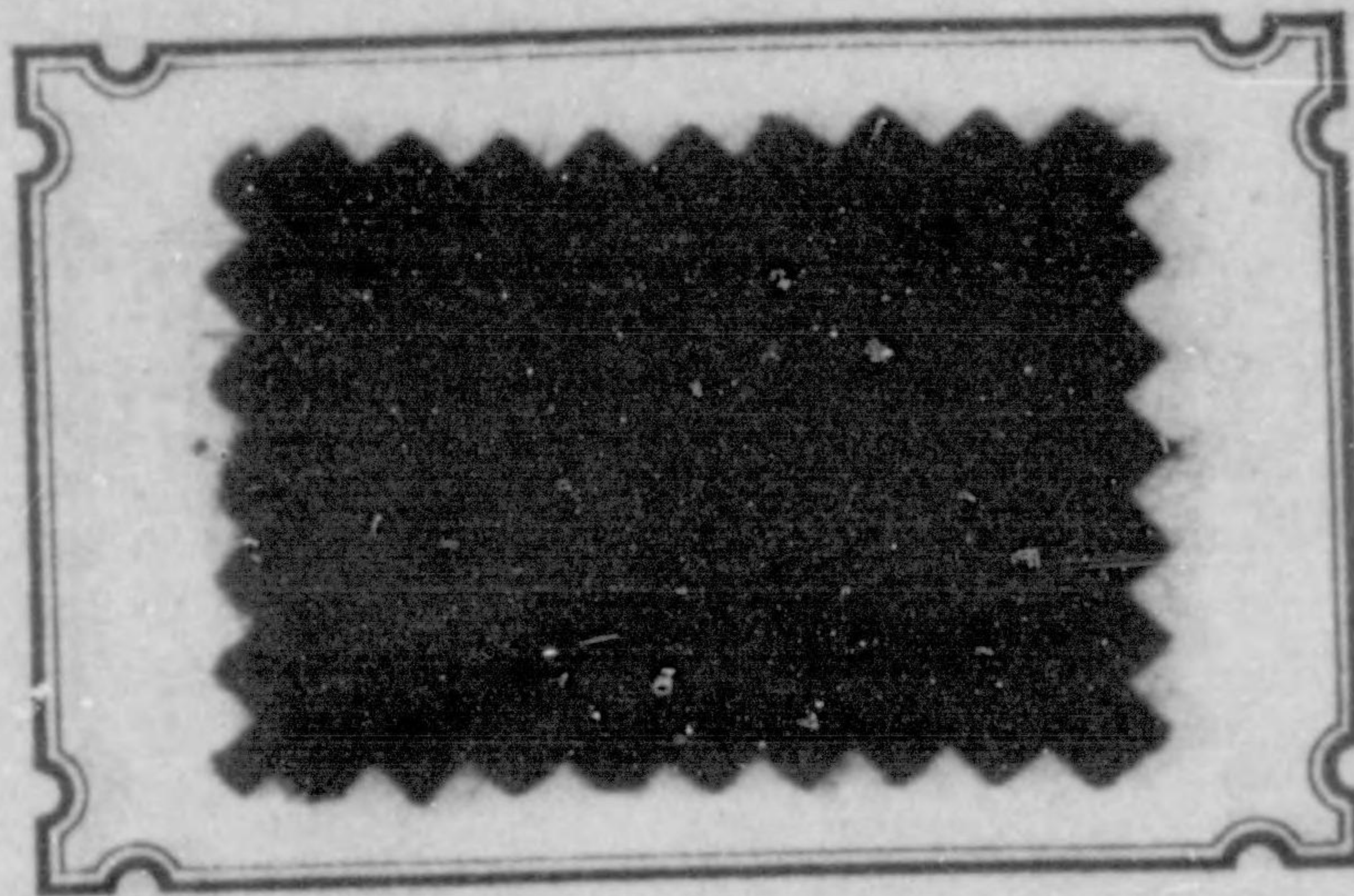
FUKUYAMA DYESTUFFS WORKS 1950

775010

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BBR 200



DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BBR



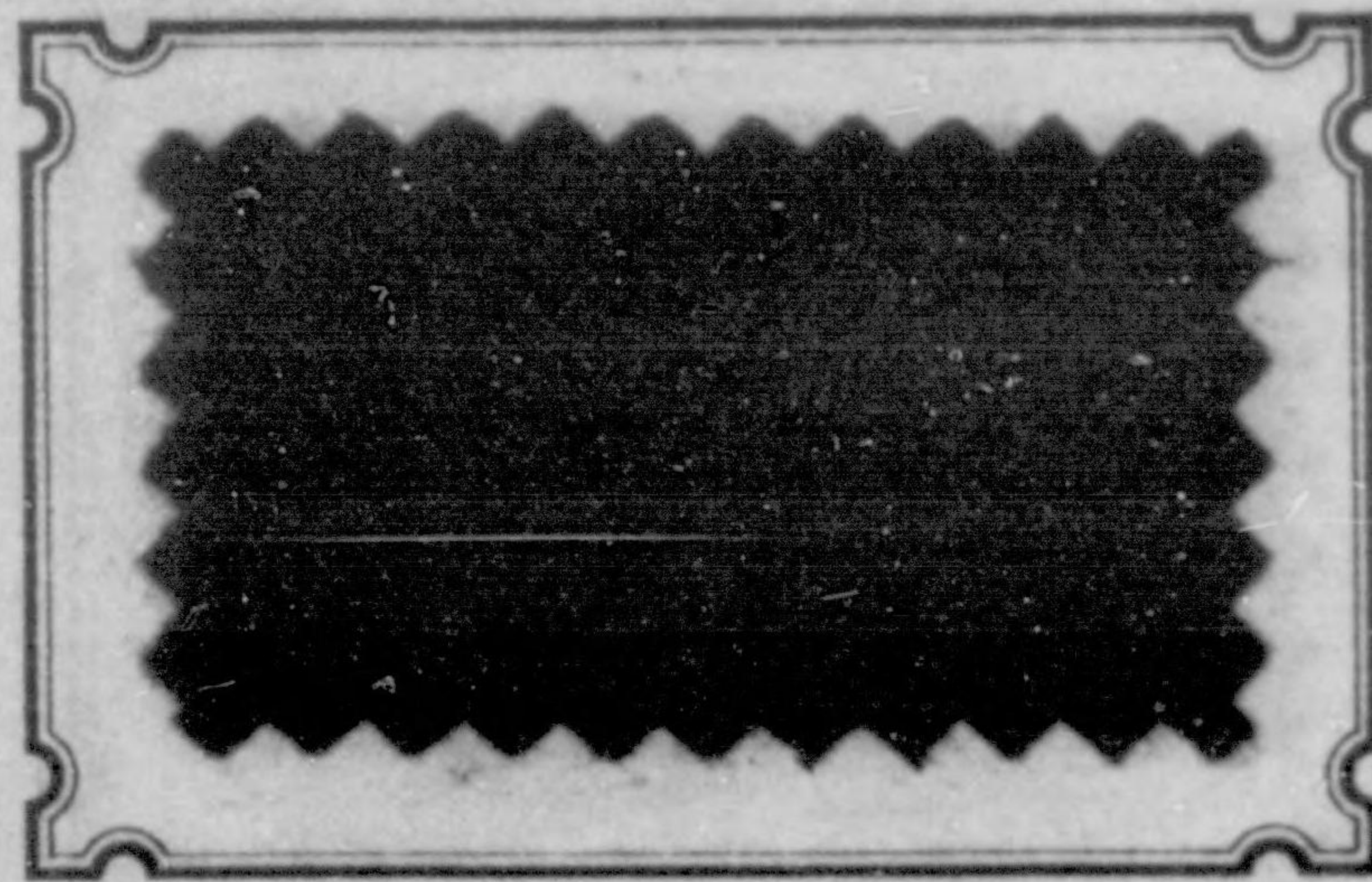
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

**SAMPLE CARD**

NAME Sulphur Black BR 300



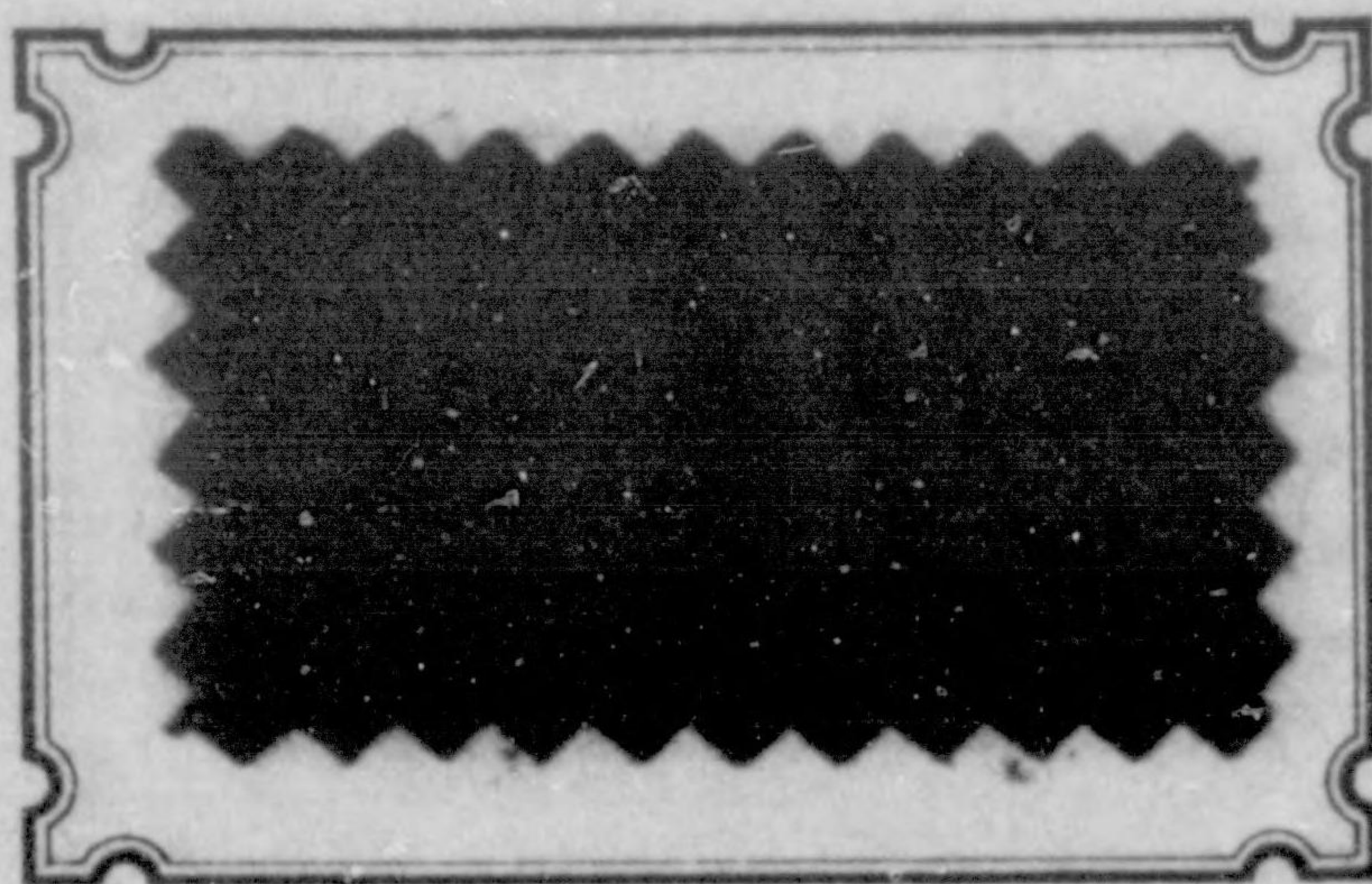
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BR 200



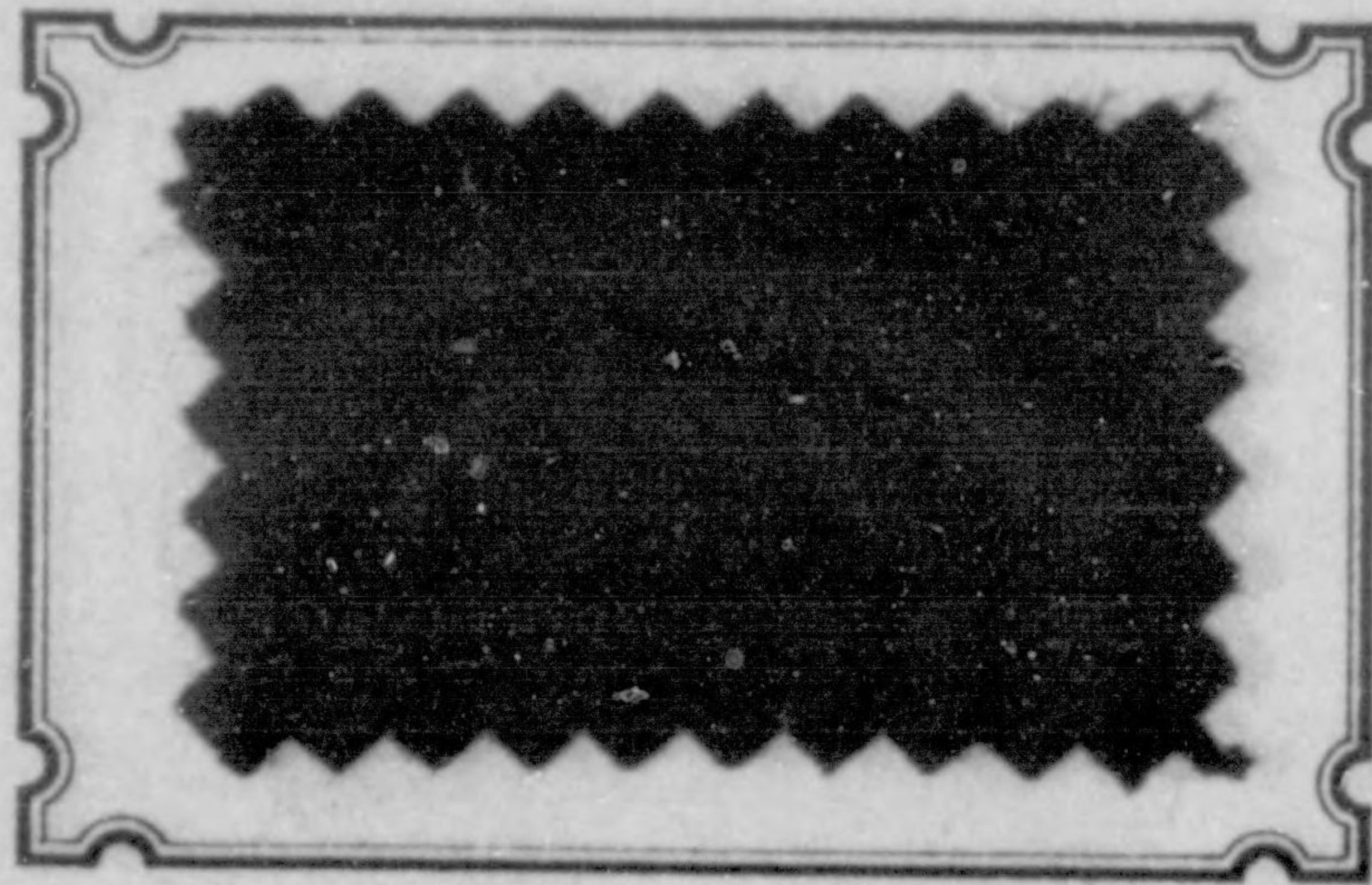
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BX 300



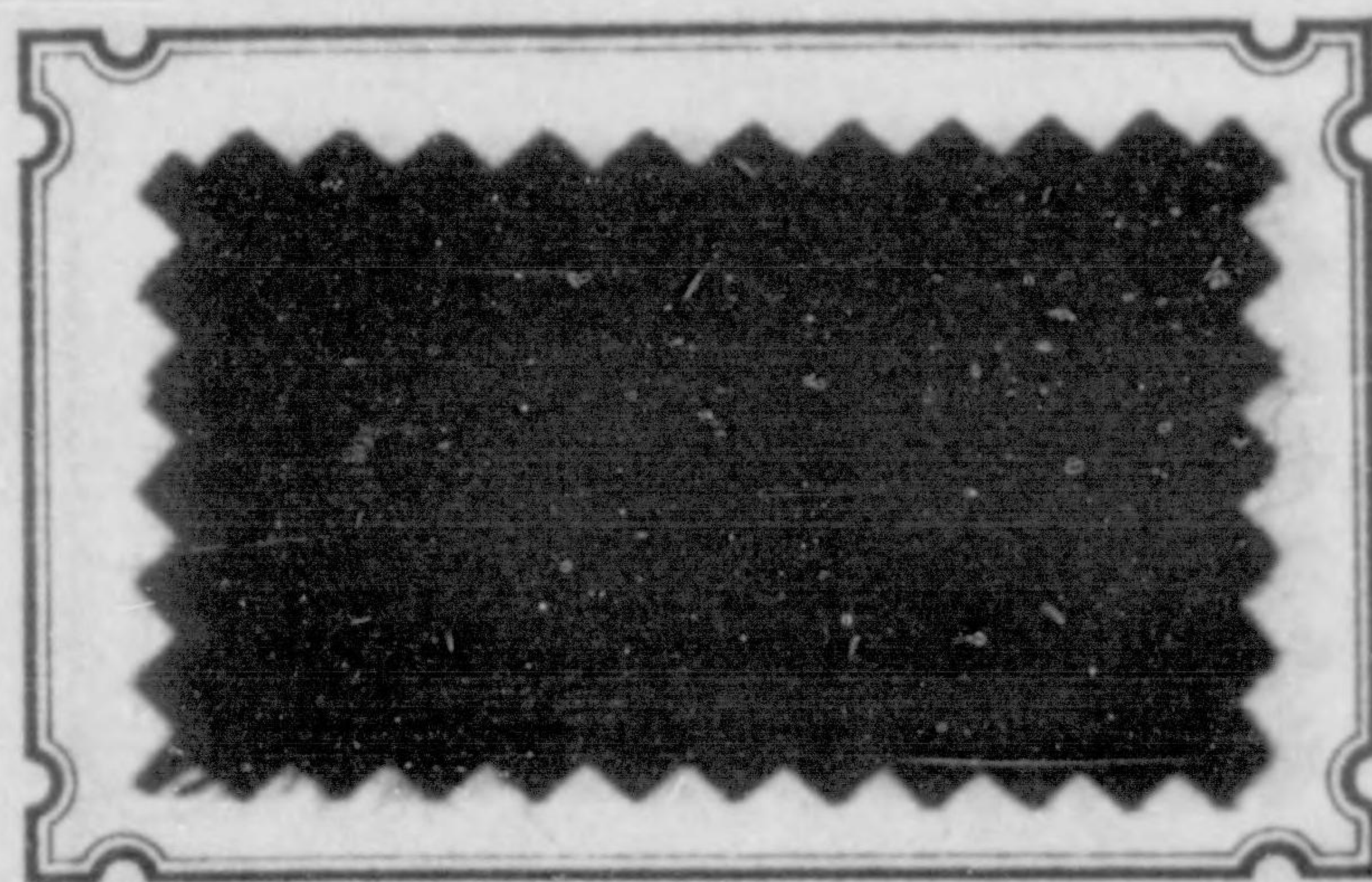
DYES - 1%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Black BX 300



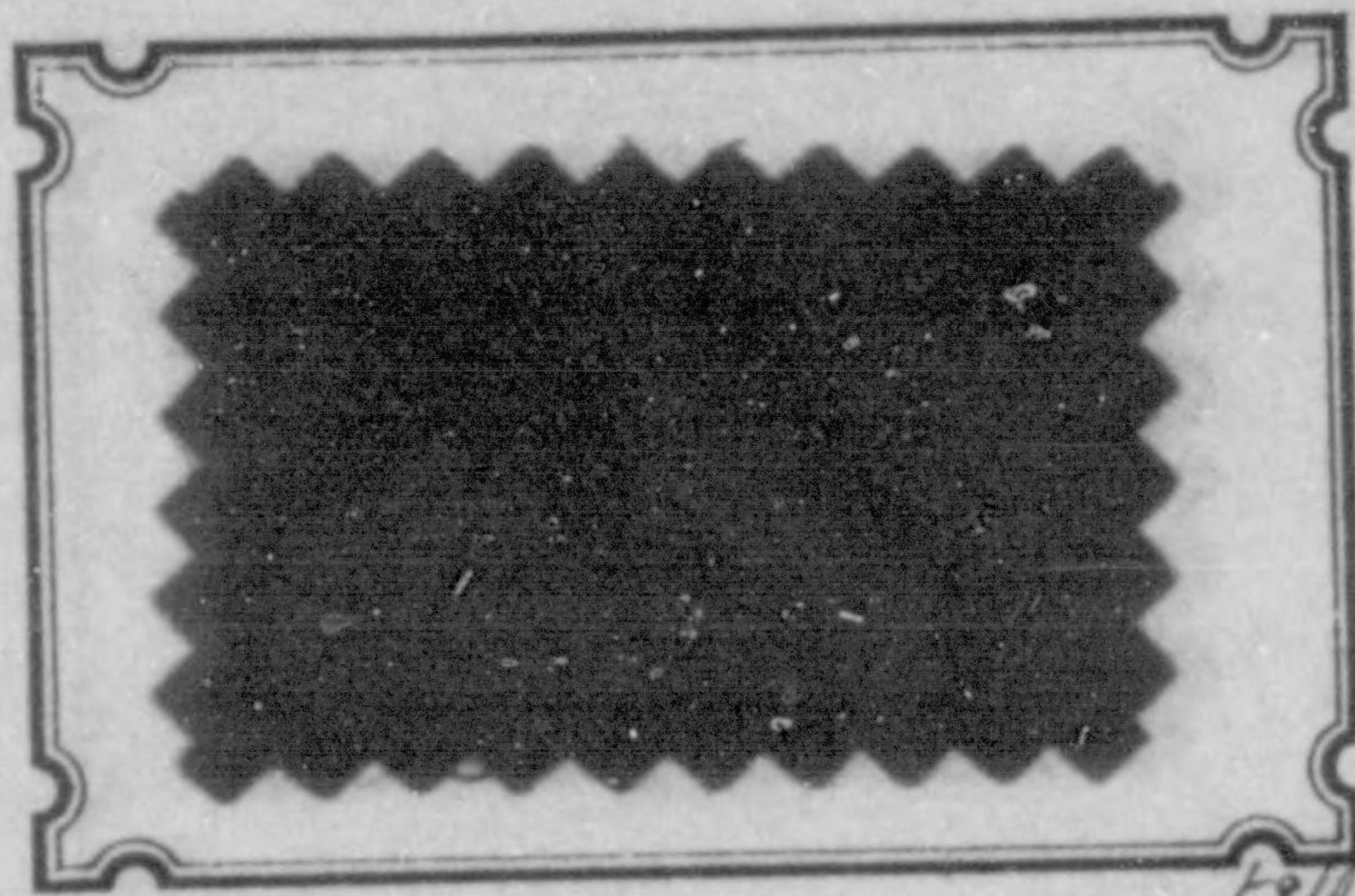
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Fast Red salt 3GL



DYES <sup>57/4</sup>  
(As: 49/6) %

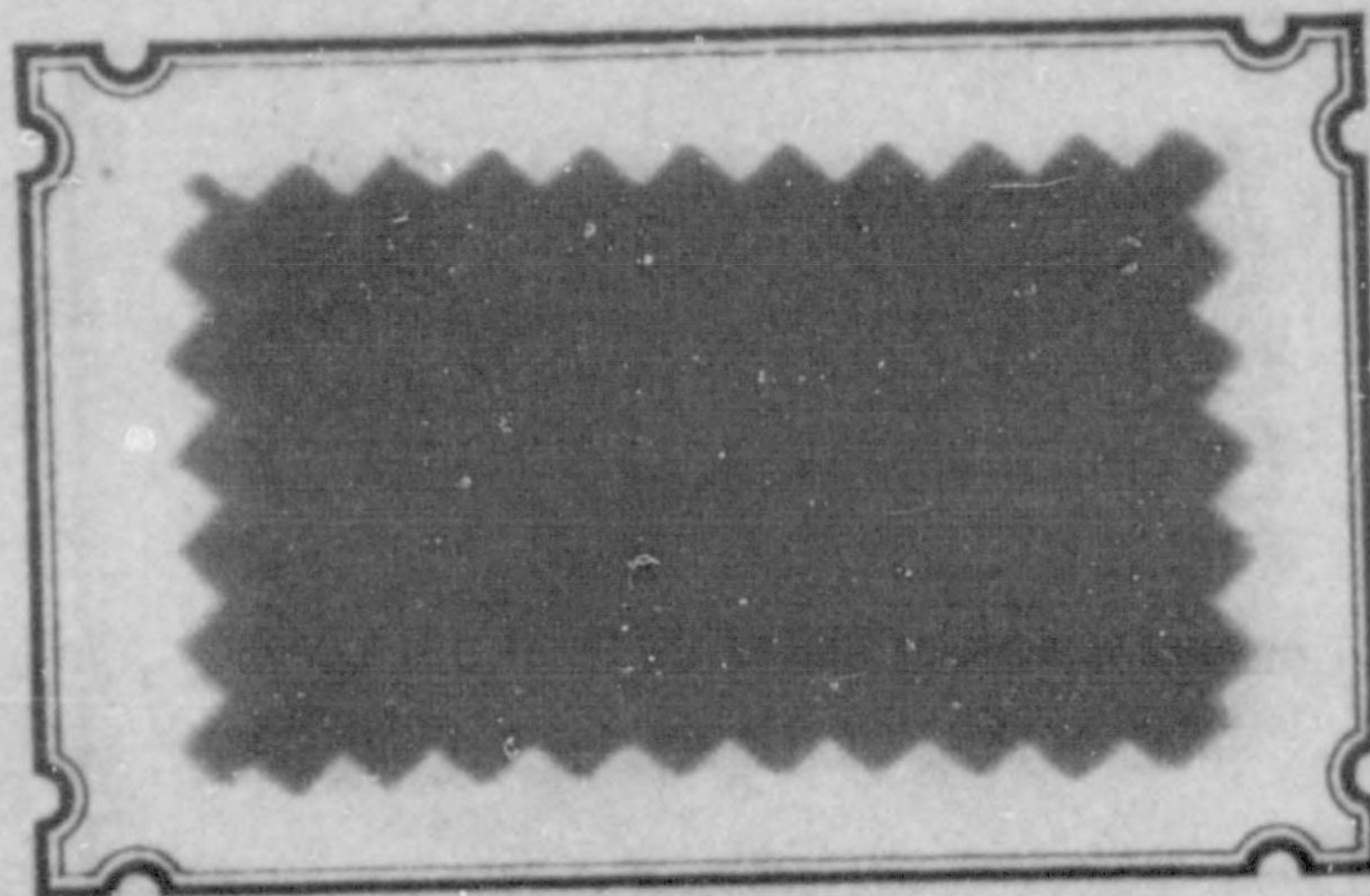
FUKUYAMA DYESTUFFS WORKS 1950



NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Yellow D



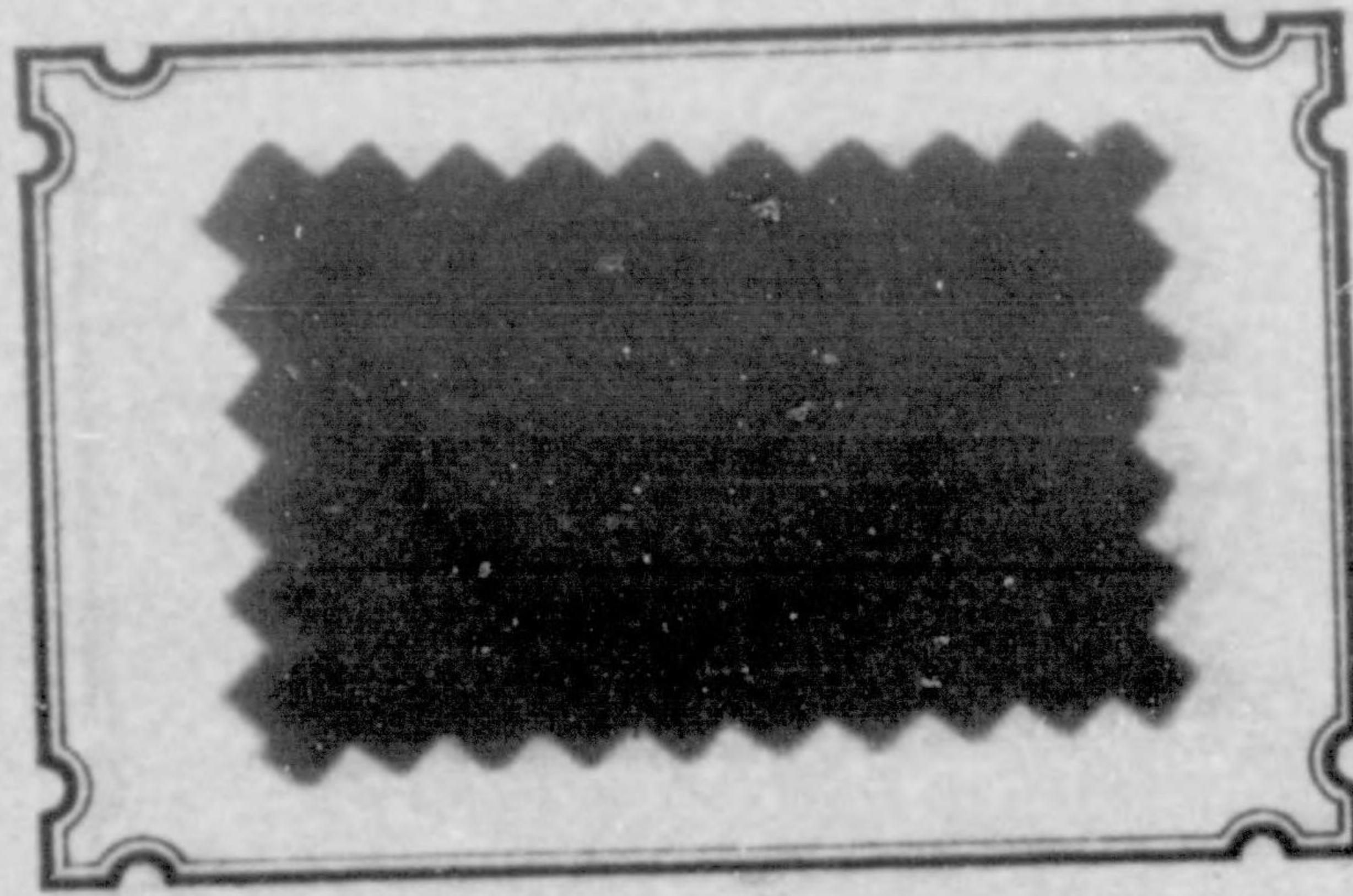
DYES 3%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphar Olive TK cone



DYES 3 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Brilliant Green 5G



DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU C.O., LTD.

SAMPLE CARD

NAME

Carbon D



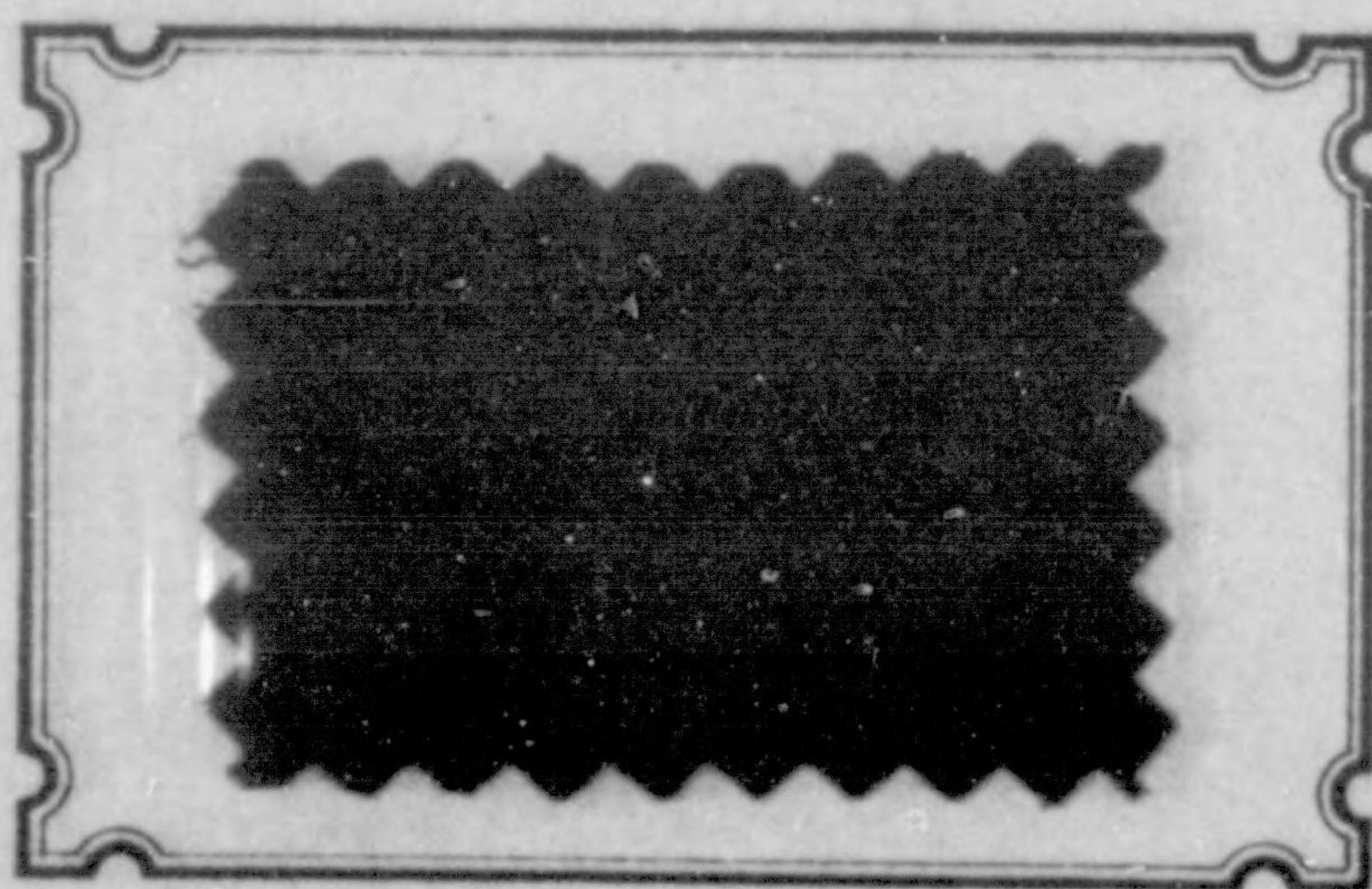
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Brilliant green 4G



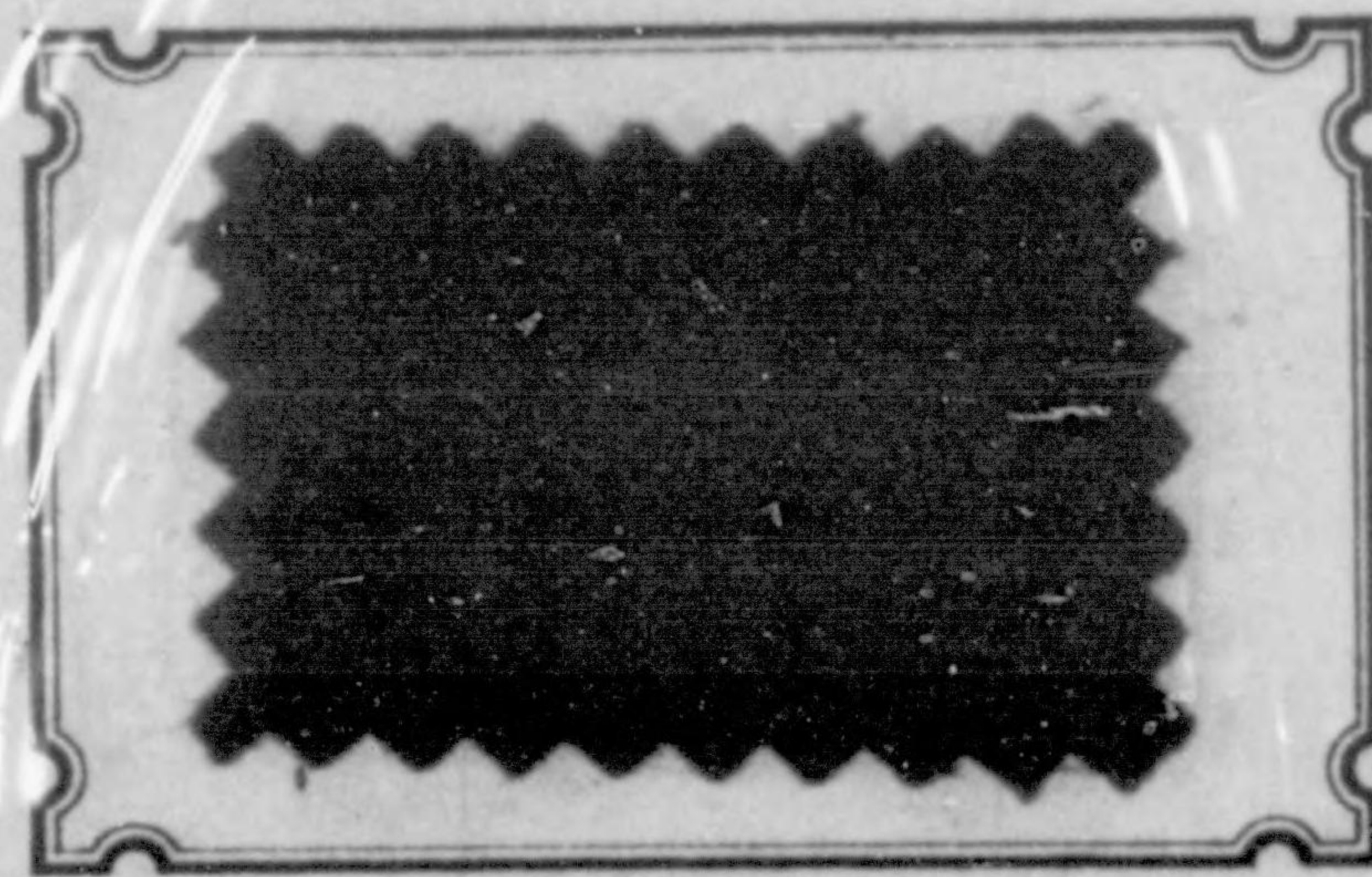
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Red Brown 9R



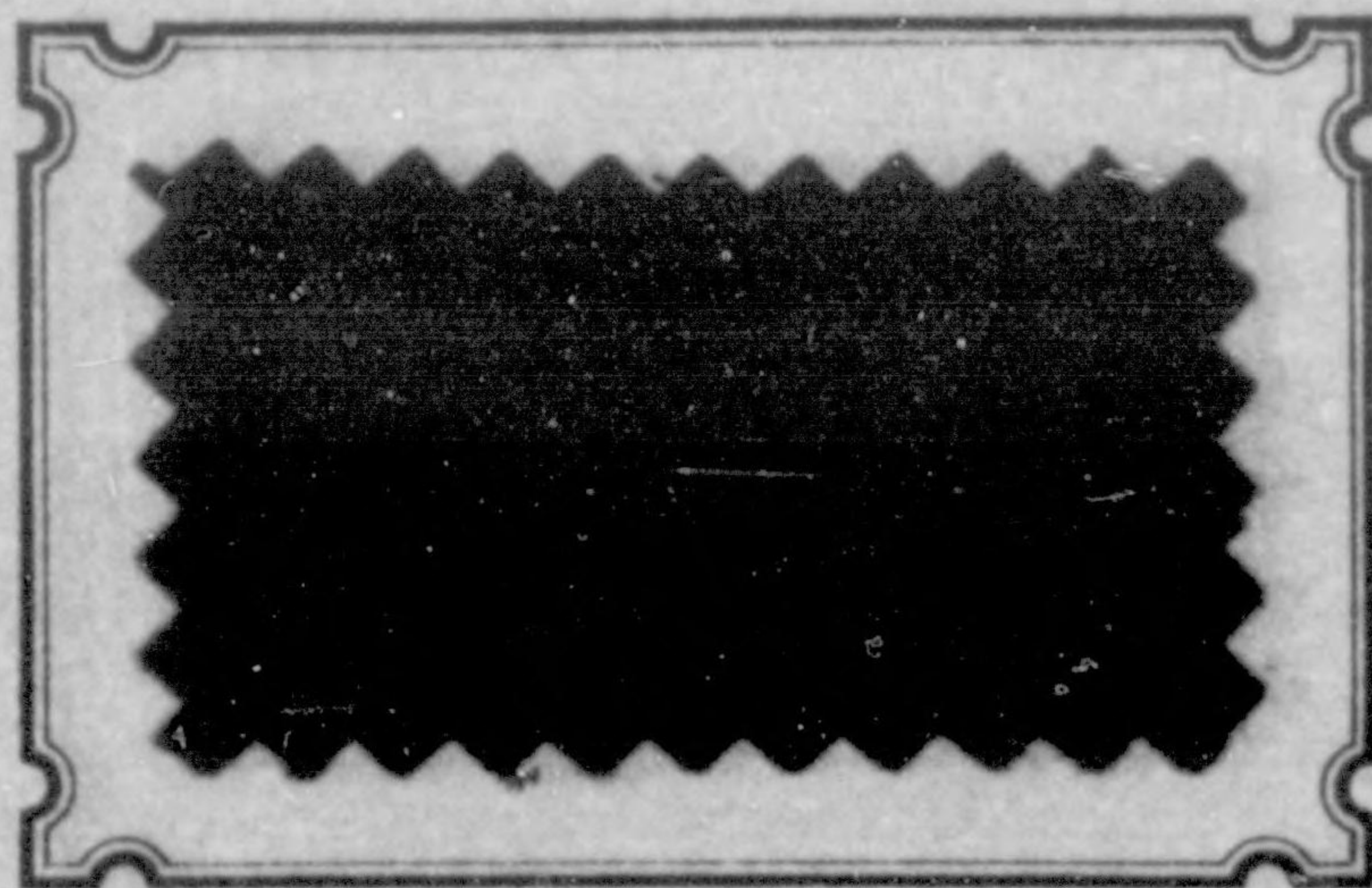
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Indigo R



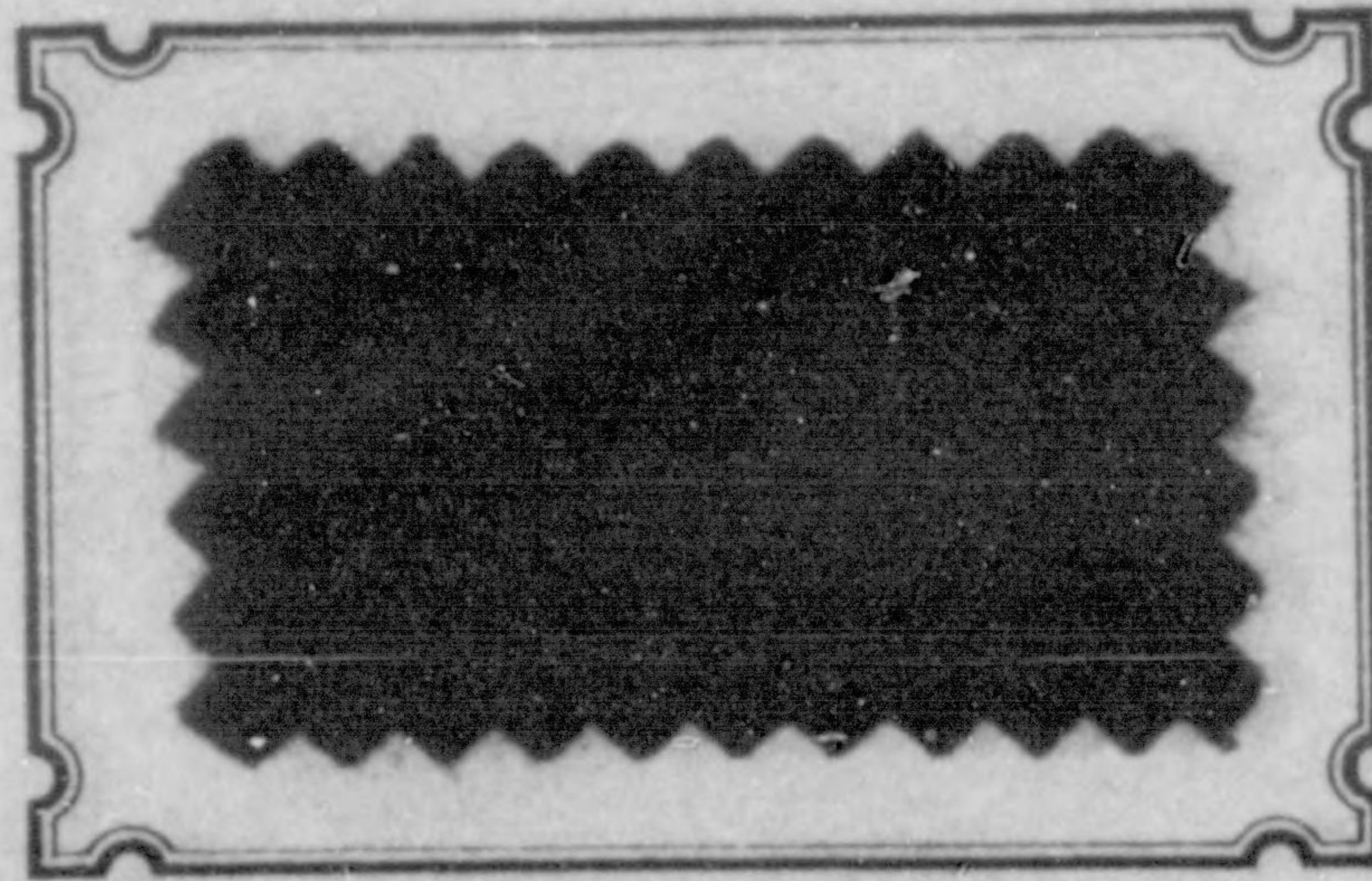
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Carbanol Blue BX



DYES 10%

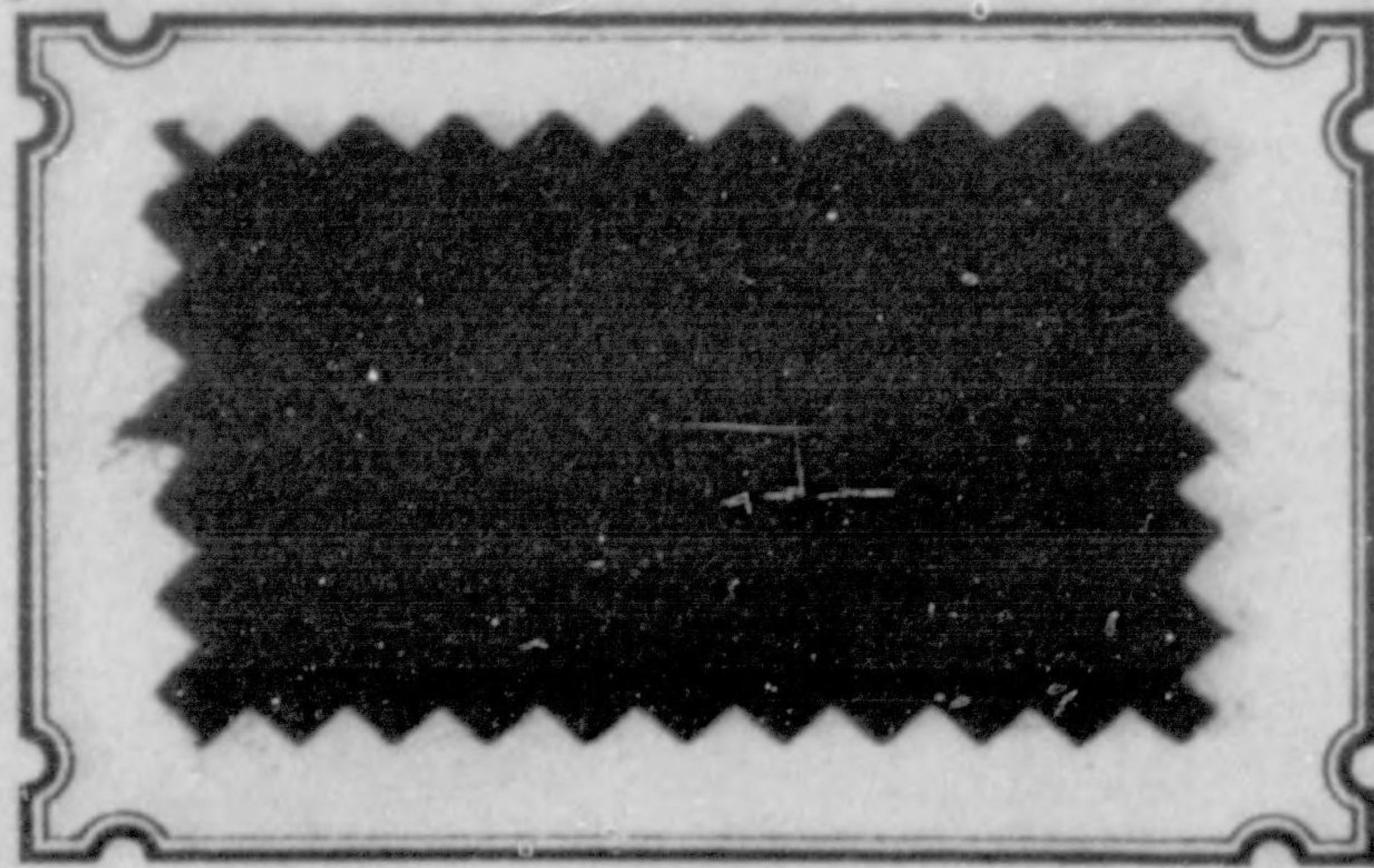
FUKUYAMA DYESTUFFS WORKS 1950



NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Carbanol Blue LR



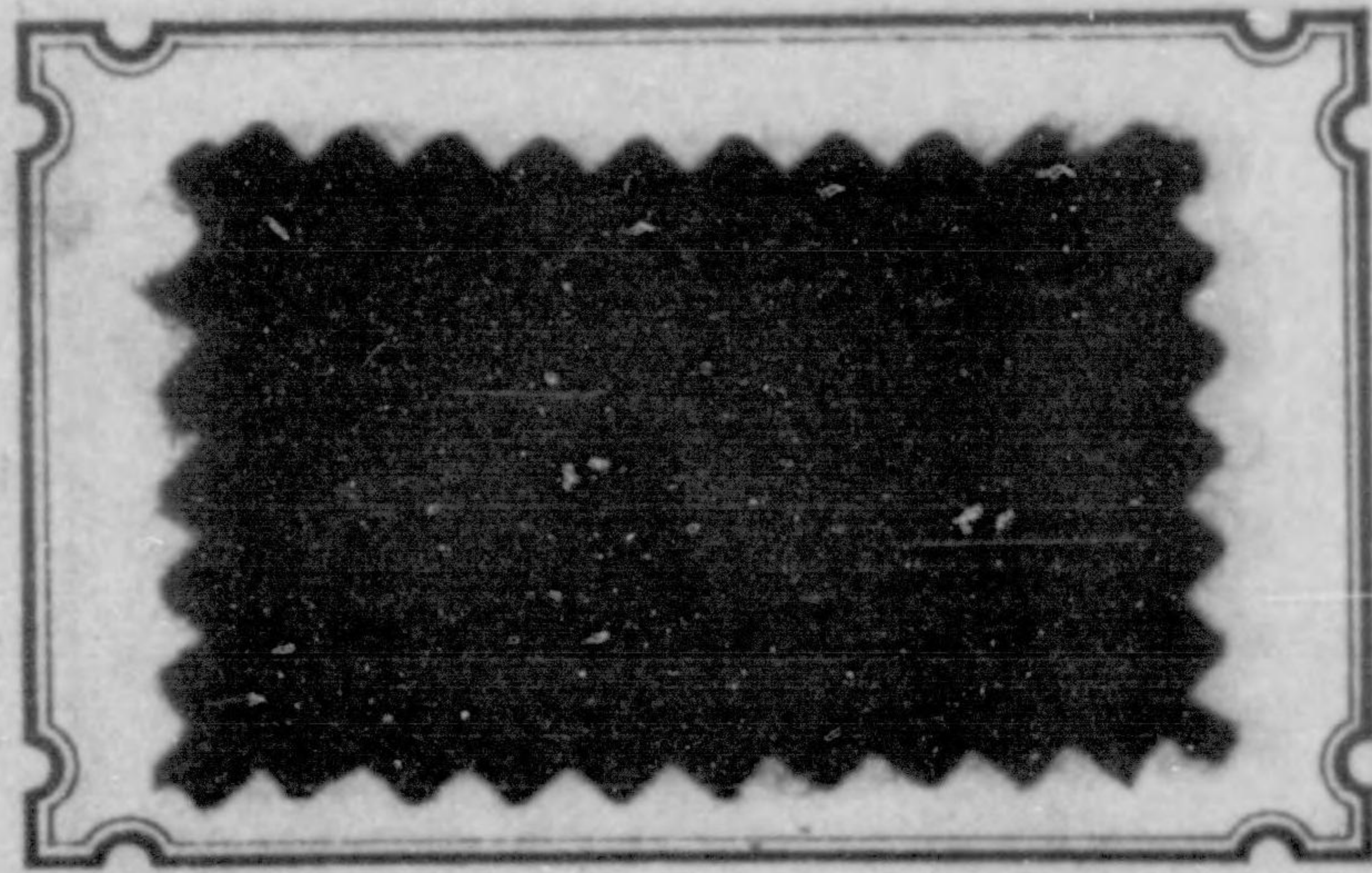
DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Carbanol Blue LB



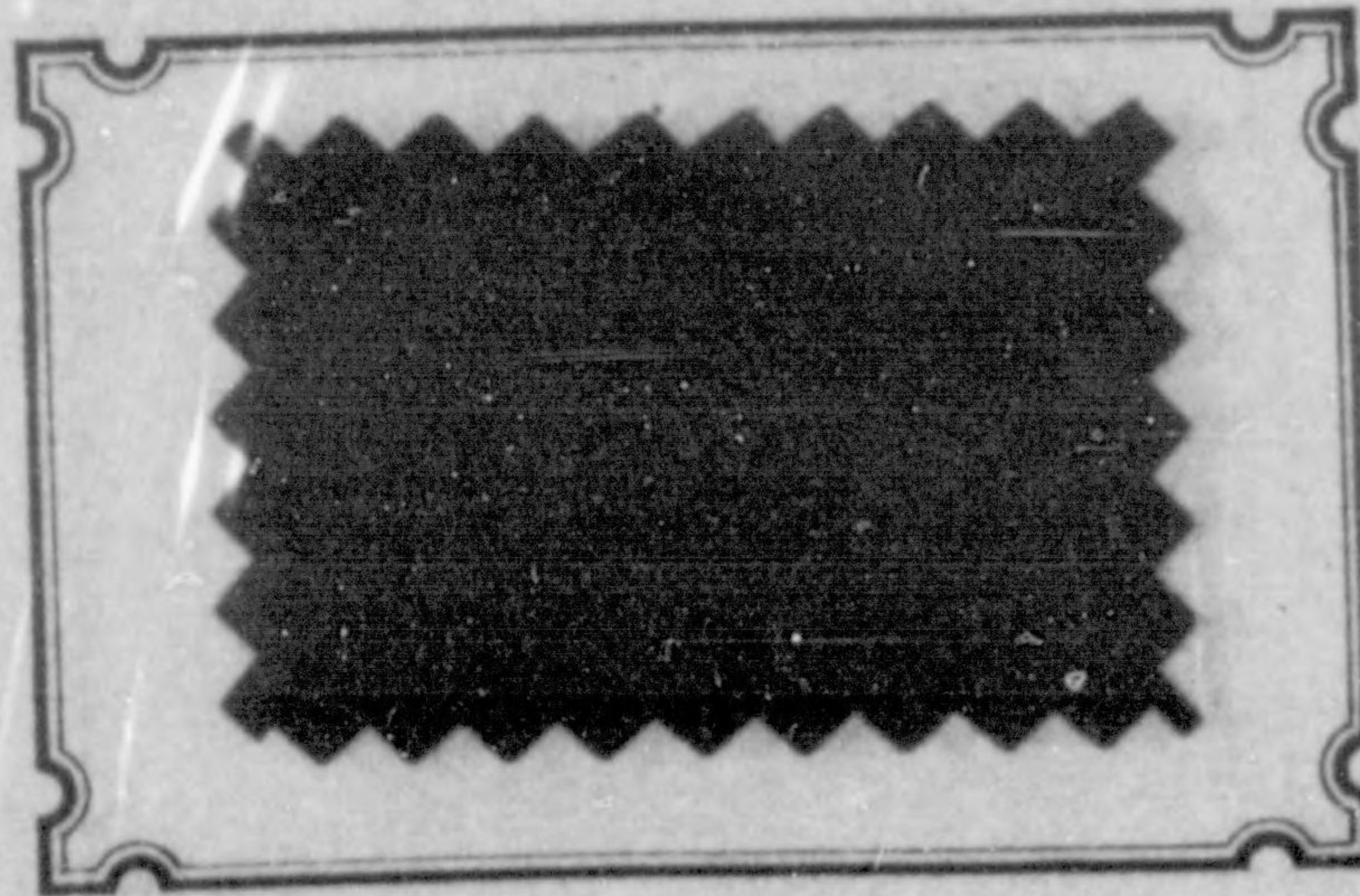
DYES 10%

FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME Sulphur Blue 4R



DYES 10 %

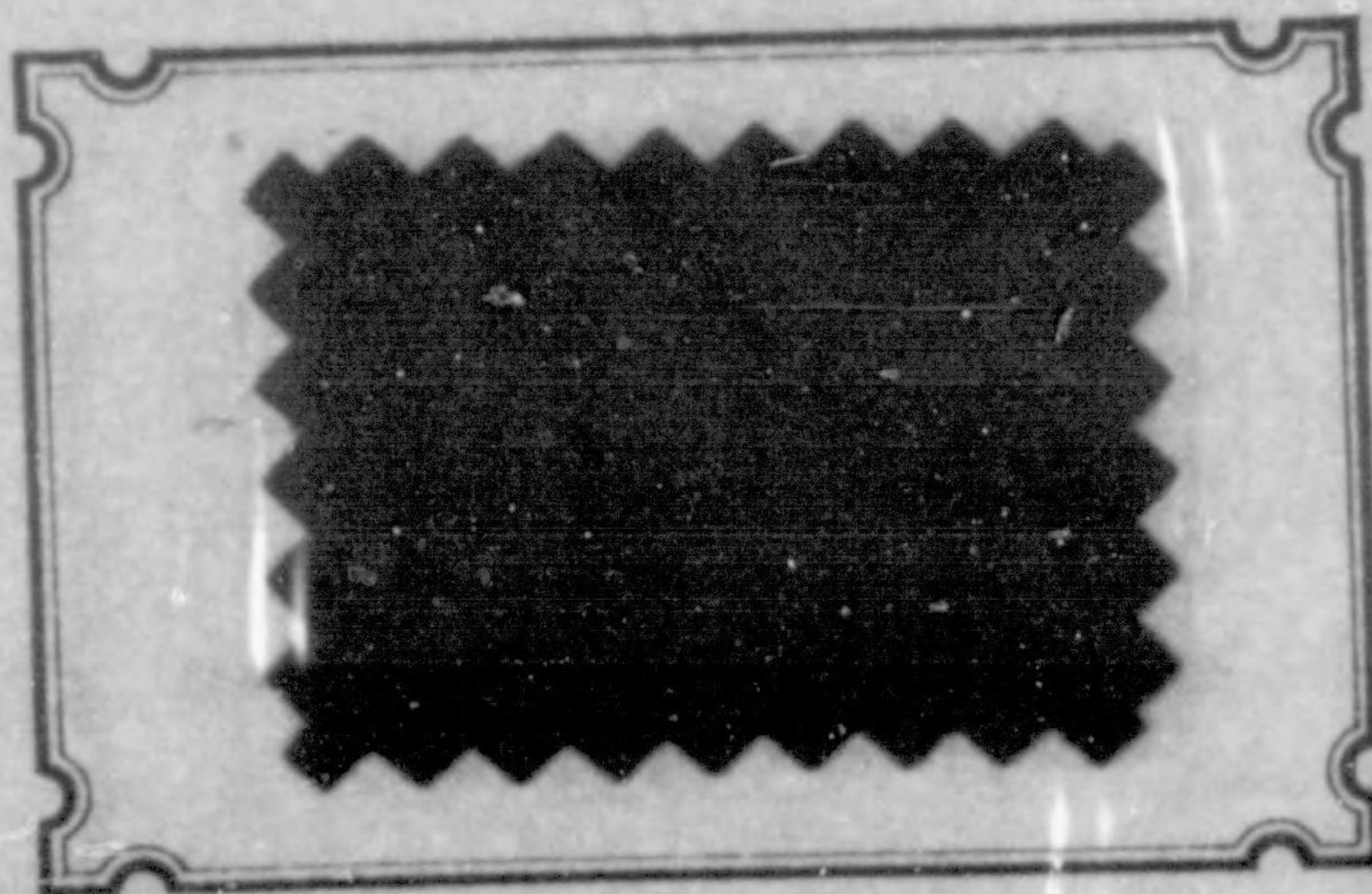
FUKUYAMA DYESTUFFS WORKS 1950

NIPPON KAYAKU Co., LTD.

SAMPLE CARD

NAME

Sulphur Blue TFB



DYES 10 %

FUKUYAMA DYESTUFFS WORKS 1950