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DEPARTMENT OF JUSTICE
WAR DIVISION
ECONOMIC WARFARE SECTION

AND

FOREIGN ECONOMIC ADMINISTRATION
ECONOMIC INTELLIGENCE DIVISION

REPORT ON

THE "TSURUMI" ENTERPRISES

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Tsurumi Seitetsu Zosen Kaisha (Tsurumi Steel & Shipbuilding Co.), Asano Dockyard (Asano Dockyard or Shipbuilding Co.), Tsurumi Seitetsu, (Tsurumi Steel Works), all at Yokohama, and Nippon Kokan (Japan Steel Tube Manufacturing Co.) were by 1940 all part of one enterprise. An advertisement in a Japanese Steamship publication for 1939-1940 (1) states that the Tsurumi Steel & Shipbuilding Co. was formerly the Asano Dockyard Co. and describes this Tsurumi Concern as "Iron and Steel Makers, Shipbuilders, and Repairers". Addresses are given in this advertisement of the "Tsurumi Works" and the "Asano Dockyard". The Teikoku Ginko Kaisha Yoroku (Directory of Banks and Companies of the Empire", November 1940) gives the address of Tsurumi Seitetsu the same as that for the Asano Dockyard in the advertisement referred to previously. The Oriental Economist of July 8, 1939 states that Nippon Kokan amalgamated with Tsurumi Seitetsu. (2)

I. Tsurumi Seitetsu Zosen Kaisha
(Tsurumi Steel & Shipbuilding Co., Ltd., Yokohama)

Three addresses given by the advertisement mentioned above (1) are: The main office in Tokyo at Marinouchi, Kojimachi-ku; The Tsurumi Works in Yokohama at Suyehiro-cho 2 Chome, Kanagawa-ku; and the Asano Dockyard, also in Yokohama at Hashimoto 2 chome, Kanagawa-ku. This advertisement cites the capitalization of Tsurumi Seitetsu Zosen Kaisha at 51 million Yen. Both the founder and the president of this firm are members of the prominent Asano family of Japan.

Tabulations of orders for Tsurumi Steel and Shipbuilding Co.
(Total Value \$196,217.31.)

Mitsubishi Order.

Order Number	Date	Manufacturer	No.	Product	Price
7639	5/7/37	R. D. Wood	2	Automatic gas producers, type SB-10	\$20,574.00

Okura Orders.

11386	5/28/37	Bethlehem	1475 tons	Steel materials for shipbuilding: 625 tons Angles, 475 tons Channels and 375 tons Bulb Angles	103,011.92
11387	5/28/37	Bethlehem	205 tons	Steel materials for shipbuilding: 30 tons Flat Bars, 25 tons Round Bars, and 150 tons Rivet Bars	15,733.52
11390	6/2/37	U. S. Steel	144	Steel boiler plates, flange quality (tensile strength 44/51 kg.mm. ² and elongation 23% and up)	
			156	Steel boiler plates, ordinary firebox quality (tensile strength 41/48 kg.mm. ² and elongation 23% and up)	9,907.90

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Order Number	Date	Manufacturer	No.	Product	Price
11402	6/2/37	Bethlehem	12	Steel Plates (41 x 3550 x 7400 mm., tensile strength 28/35 G.T. per sq. inch.)	
			6	End plates (24 x 3810 x 5300 mm.)	
			6	End plates (22 x 3810 x 5300 mm. End plates to have tensile strength of 26/30 G.T. per sq. inch)	
					\$17,073.63
11665	4/19/38	Bethlehem	171	Mild steel boiler plates	3,961.28
11666	4/19/38	Bethlehem	72	Mild steel boiler plates	6,118.64
11711	7/18/38	Bethlehem	22	Mild steel boiler plates:	
				Boiler plates, flange quality	
			72	Boiler plates, ordinary firebox quality	7,867.50
11746	9/6/38	Bethlehem		Mild steel plates for boiler furnace:	
			10	19 mm. x 250 mm. x 4200 mm.	
			10	19 mm. x 700 mm. x 4200 mm.	
					1,780.49
11834	1/4/39	Bethlehem	64	Mild steel boiler plates	6,936.69
11860	2/7/39	Bethlehem	37	Mild steel boiler plates	3,251.74

Okura Inquiries.

23102 3,940 Seamless hot rolled boiler tubes weighing
10/20/38 in all about 110 tons

23105 For Marine Boiler:
9/13/38 20 Brass plates for condenser
7,617 Brass pipes for condenser

Okura, Tokyo to New York letter of 9/14/38: "The domestic makers are now too busy to quote for the present inquiry and so we have to buy from foreign makers".

23361 14 Propellor and Intermediate shafts for #417,
10/27/39 #418 Steamships

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23846 9/10/40	27	Intermediate shafts and tail shafts, rough turned for ships #419 and #420 (weight of 27 pieces 161,270 kgs.)
6059 10/29/40	5,069	Ship plates weighing about 4,075 tons
23857 10/11/40	1,152 tons	Mild steel for boiler plates

II. The Asano Dockyard
(Asano Dockyard or Shipbuilding Co.)

After 1936, the Asano Shipbuilding Co. Ltd., became part of the Tsurumi Steel and Shipbuilding Co. as a result of a merger with Tsurumi Seitetsu. According to Schumpeter (3), Asano Dockyard in January 1937 had approximately 13,600 tons of shipping either under actual or projected construction, and as of January, 1936, employed 1564 workmen. The Japan-Manchukuo yearbook of 1934, quoting figures for September 1933, lists the Dockyard as having eight berths and as having been established in 1916 at Kanagawa. The seized Japanese files upon which this report is based, do not contain any record after January 1, 1937 of any material going to the Asano Shipyard as such. However, the files of Ataka & Co. back to 1936, reveal the following shipments for the Asano Shipyard.

Tabulations of Orders for Asano Shipbuilding Co. Ltd.

Ataka Orders.

<u>Order Number</u>	<u>Date</u>	<u>Manufacturer</u>	<u>No.</u>	<u>Product</u>	<u>Price</u>
4624	2/7/36	Chicago Pneumatic Tool	10	#90 Standard Boyer riveting hammers	
			3	#60 Standard Boyer riveting hammers	
			10	Part #1222 3" Pistons	
			3	Part #1212 2 $\frac{1}{2}$ " Pistons	\$ 741.05
4655	3/11/36	Yale & Towne	1	$\frac{1}{2}$ ton Model "BB" ball bearing spur-gear chain hoist with standard lift	
			4	Parts for Yale 1 ton model "BB" spur-gear chain hoist	35.90

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<u>Order Number</u>	<u>Date</u>	<u>Manufacturer</u>	<u>No.</u>	<u>Product</u>	<u>Price</u>
4695	4/30/36	Yale & Towne	2 Pcs.	Part #529 Load Sheaves for Model "BB" $\frac{1}{2}$ ton chain block	
			2 Pcs.	Part #529 Load Sheaves for Model "BB" 1 ton chain block	
			2 Pcs.	Part #536 ball bearing for 1 ton Model "BB" spur-gearred chain block	\$ 3.54
4863	10/24/36	Yale & Towne	x	Parts for 2 ton model BB ball bearing spur-gearred chain hoist	260.68

III. Tsurumi Seitetsu
(Tsurumi Steel Works)

Tsurumi Seitetsu is a manufacturer of ship machinery, locomotives, street cars, passenger cars and iron posts and also produces steel plates for shipbuilding. In 1940, three 60 ton ordinary furnaces were under construction at Tsurumi Seitetsu to be completed during the first period of 1941. Schumpeter reports that in 1937 "Tsurumi Iron Manufacturing & Shipbuilding Co. added a 350 ton unit iron furnace". (3) The Japanese files examined for this report contain no records since 1937 of any material whose destination was Tsurumi Seitetsu as such.

IV. Nippon Kokan
(Japan Steel Tube Manufacturing Co.)

Nippon Kokan was reported to have amalgamated in 1939 with Tsurumi Seitetsu. A report which was compiled from a variety of Japanese publications also lists the following facts about this company: (2)

1. Nippon Kokan was established in June, 1912 and in 1941 had a capitalization of 143,350,000 yen (almost three times the capitalization of Tsurumi Steel & Shipbuilding Co.)
2. Nippon Kokan's manufactures include all kinds of steel, manganese, silicon, chrome, titanium iron, and steel ingots.

3. Nippon Kokan's steel capacity was 900,000 metric tons in 1939 and it had three smelters in operation with a total annual capacity of 490,000 metric tons. In addition, one other smelter was under construction and two more were planned.
4. " Since the outbreak of the China incident, the production of steel tubes has fallen and Nippon Kokan has entered the light and heavy rail field emphasizing rods and shaped steel."
5. " A subsidiary of Nippon Kokan, South Seas Iron Mining (Nanyo Tekko) is in the process of expanding production at its Temangan mine in Malay to 300,000 metric tons annually."
6. Addresses and plants of Nippon Kokan are given as follows:
 1. Kawasaki, Minamiwada-cho
 - a) A steel plant with 11 ordinary furnaces and an annual capacity of 50,000 metric tons of steel ingots.
 - b) A steel tube plant with 5 ordinary furnaces and an annual capacity of 20,000 metric tons of steel tubes.
 - c) A bar plant with 2 ordinary furnaces and a shape plant with one ordinary furnace, combined capacity of the two plants 35,000 tons of steel material annually.
 2. Kawasaki Ogu cho.
 3. Toyama Prefecture, Shinminato machi
An Electrolytic Iron Factory with 17 electric furnaces with an annual capacity of 30,000 metric tons of iron alloys, and 5 electric furnaces with an annual capacity of 20,000 metric tons of special steel.
 4. Niigata City.
 5. Osaka, Konohana ku.

Tabulations of Orders for Nippon Kokan.

Okura Orders.

<u>Order Number</u>	<u>Date</u>	<u>Manufacturer</u>	<u>No.</u>	<u>Product</u>	<u>Price</u>
11033	8/24/36	Macintosh Hamphill	4	Pilger Rolls made of material from open hearth furnaces	\$2,945.00

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<u>Order Number</u>	<u>Date</u>	<u>Manufacturer</u>	<u>No.</u>	<u>Product</u>	<u>Price</u>
11186	1/30/37	Electric Controller & Mfg. Co.	1	5 Type SA Lifting magnet, 55" diameter	\$2,160.00
11365	5/18/37	Harnischfeger Corp.	1	P&H Model 150 diesel shovel of 1/2 cubic yard capacity	6,353.10

Imperial Export Order.

12/231	1/23/37	Brown Instrument Co.	3	#14008-213 Helix assemblies for model #7510 Pressure Transmitter suitable for range 0-30 kg/cm ²	67.50
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Okura Inquiries.

4564 7/15/37	1	Complete steel tube sawing machine
22706 6/25/37	1	Complete Cold Tube Bending machine. Dia. of pipe to be bent 3" to 6". (Same inquiry made through Okura, London on July 21, 1937.)
22679 6/18/37	6	Hot saw blades for Pipe Mill. Outside dia. 1800 mm., inside dia. 410 mm., thickness 8 mm. (Same inquiry made through Okura, London on July 21, 1937.)

Mitsubishi Shoji Kaisha Inquiry.

NY 2288 9/8/39	1	Complete tube making plant employing either the Stiefel or Mannesman Process. Inquiry for this plant, on which Mesta quoted \$1,950,000 was transferred to Nippon Seitetsu. (See M. Calden report on Nippon Seitetsu, Department of Justice Report #270.) N.Y.
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Okura Orders and Inquiries in Europe.

Berlin Order 1937 from A.E.G.	1	Turbo-Blower
Berlin Inquiry March 1939-Krupp (Essen)	62	Tons of track rail
Berlin Inquiry May 1939		Electrical equipment, including main drive (and Leonard Drive) for "expansion of rolling mill"

This report is based upon an examination of the seized files of the Japanese trading companies, Mitsubishi Shoji Kaisha, Mitsui & Co., Okura & Co., and Ataka & Co. whose records are held by the Alien Property Custodian in a warehouse at 27 Cliff Street in New York City. Also examined were the files of the Imperial Export Co. at 44 Whitehall St. in New York City. The records of these Japanese trading companies were examined back to January 1, 1937, except in the case of Ataka & Co. whose records were perused back to January 1, 1936.

Footnotes

- (1) "Glimpses of the East 1939-1940", p. 60, published by Nippon Yusen Kaisha.
- (2) As reported in "A Directory of Certain Japanese Industrial Companies" by John Williams, OEW, August 1943.
- (3) "The Industrialization of Japan and Manchukuo 1930-1940" by Schumpeter, et al., p. 615.