

TEXTILE MACHINERY

ARAKI SEIKI SHO

(ARAKI WORKSHOP)

Manufacturing knitting machinery.

Office: 306 Honjo, Toyosaki Machi, Nishinari Gun, Osaka Prefecture. Established: 1882. Proprietor: K. Araki. Workmen: 10.

BOSEKI KIGU SEIZO KABUSHIKI KAISHA

(SPINNING MACHINERY MANUFACTURING Co., LTD.)

Manufacturing ring spindles.

Office: 8-9 Yokota, Atsuta Higashi Machi, Minami-ku, Nagoya. Osaka Branch Office: Izuo-cho, Nishi-ku, Osaka City. Established: December, 1919. Capital: Y.1,000,000; paid up, Y.250,000. President: H. Yagi. Directors: K. Ido, E. Watanabe, K. Takihana, Y. Yaki and M. Ebuka. Auditor: K. Takahashi. Advisers: G. Matsukata, N. Taniguchi, D.E. Engineer: K. Hayakawa. Workmen: 75; motors, 2 of 15 h.p. and 1 of 3 h.p.; boiler, 1; turret lathes, 11; lathes, 28; milling, 3; drilling, 3; grinders, 36; steam hammer, 1; air furnace, 1, and other 12 furnaces.

CHUETSU TEKKO SHO

(CHUETSU IRON WORKS)

Manufacturing hand looms, sawmill machinery and motors. Average Yearly Production: Y.200,000.

Office: Fukuno Machi, Toyama Pref. Established: October, 1918. Capital: Y.50,000; paid up, Y.25,000. Directors: K. Hatakeyama, K. Tanaka and S. Ishiwara. Engineer: T. Fujiwara. Manager: H. Arai. Workmen: 25; 2 motors, 5 h.p.; lathes, 8; planer, 1; shaper, 1; borer, 1; screw cutting, 1; milling, 1.

CHUKA BOSEI YOHIN KABUSHIKI KAISHA

(CHUKA Co., LTD.)

Manufacturing spinning and weaving accessories.

Office: No. 32 Akashi-cho, Kobe City. Established: November, 1918. Capital: Y. 80,000. President: Kaworu Kawahara. Directors: J. Taruzaki and M. Shiwoya. Auditors: R. Niiya and K. Kitamura.

EHIMA TEKKO

(EHIMA IRON WORKS)

Manufacturing spinning machines.

Location: No. 49, Izuwo-cho, Nishi-ku, Osaka City. Established: October, 1916. Proprietor: Yasuke Nagai. Workmen: 25. Motors, 2 of 7½ h.p.; lathes, 11; borers, 1.

FUJIKAWA MOKUKO JO GOMEI KAISHA

(FUJIKAWA ENGINEERING WORKS)

Manufacturing weaving shuttles. Average Yearly Production: 200,000 shuttles.

Office: Sano Machi, Sennan Gun, Osaka Pref. Capital: Y.20,250; Reserve, Y.18,000. Established: October, 1916.: Representative I. Tabata. Advisers: J. Naka and K. Nakano. Engineer-in-Chief: Y. Fujikawa. Workmen: 115; 1 motor, 10 h.p.; shuttle mfg. machinery. complete equipment.

HAMICHI TEKKO SHO

(HAMICHI WORKS)

Manufacturing weaving machines.

Location: Higashino machi, Kitano, Kita-ku, Osaka City. Established: December, 1894. Proprietor: Kanezo Hamichi. Workmen: 10. Branch Works: Ukita-mchi, Honjuo, Kita-ku, Osaka City.

HARADA SHIKI ORIKI KABUSHIKI KAISHA

(HARADA LOOM WORKS, LTD.)

Manufacturers of looms.

Location: Katano Mura, Kita Kawachi Gun, Osaka Pref. Established: December, 1917. Capital: Y.1,000,000; paid up, Y.350,000; No. of Shares, 20,000. President: M. Harada. Managing Directors: S. Miyamoto and H. Harada. Directors: M. Harada and K. Miyamoto. Auditors: B. Tomita and K. Hatayama. Workmen: 168; 1 steam engine, 60 h.p. and 8 electric motors, 67 h.p.

HASHIMOTO SHOKKI SEISAKU SHO

(HASHIMOTO LOOM WORKS)

Manufacturing looms.

Office: Moriguchi Machi, Kita Kawachi Gun, Osaka Pref. Established: January, 1909. Proprietor: K. Hashimoto. Workmen: 29; 1 motor, 8 h.p.

HASHIMOTO TEKKO SHO

(HASHIMOTO IRON WORKS)

Manufacturing Knitting Machines.

Location: Moriguchi-machi, Kawachi Gun, Osaka Pref. Established: 1913. Proprietor: Yoshinosuke Hashimoto. Workmen: 6. Motors, 1 of 6 h.p.

HINODE BOKI SEISAKU SHO GOSHI KAISHA

(HINODE SPINNING MACHINERY Co.)

Manufacturing spinning machinery and accessories.

Office: 57 Sakurada, Higashi Machi, Atsuta, Minami Ku, Nagoya City, Aichi Pref. Established: February, 1920. Capital: Y.65,000. Representative: With unlimited liability: T. Hasegawa. Representatives: With limited liability: Y. Tanaka, S. Tanaka and B. Ito.

NIHON BOKI SEIZO SHO

(NIHON WORKS)

Manufacturing Matsuzawa type spinning machines.
Location: Sada-mura, Kita Kawachi Gun, Osaka Pref.
Established: September, 1919. *Proprietor*: Kametaro Okamoto. *Workmen*: 13. *Motors*, 1 of 3 h.p.

HIRAIWA TEKKO SHO

(HIRAIWA IRON WORKS)

Manufacturing weaving machinery.
Office: Tanao Mura, Aomi Gun, Aichi Pref. *Workmen*: 55; electric motor, 1, 20 h.p.; gas engine, 1; motor, 1, 30 k.w.

HIRAO TEKKO SHO GOSHI KAISHA

(HIRAO IRON WORKS)

Manufacturing spinning machinery and parts.
Office: 3 Minami Dori, Kujo, Nishi Ku, Osaka City.
Established: April, 1918. *Proprietor*: M. Hiraō. *Workmen*: 43; 1 electric motor, 5 h.p.

HIROKAWA TEKKO SHO

(HIROKAWA IRON WORKS)

Manufacturing saw milling and weaving machinery.
Office: Uriage, Nakatachi, Aburakoji, Tokyo Ku, Kyoto City. *Established*: September, 1896. *Proprietor*: K. Hirokawa. *Workmen*: 12; 1 electric motor, 2 h.p.

HISAEDA KYODAI TEKKO SHO

(HISAEDA BROTHERS' IRON WORKS)

Manufacturing spinning machinery.
Office: 1108 Ebie, Sagisu Machi, Nishinari Gun, Osaka City. *Established*: May, 1918. *Proprietor*: S. Hisaeda. *Workmen*: 18; 1 electric motor, 5 h.p.

IIDA SHIKI ORIKI KABUSHIKI KAISHA

(IIDA LOOM WORKS, LTD.)

Manufacturing weaving machines.
Address: Umagome, Hamamatsu City, Shidzuoka Pref. *Established*: April, 1918. *Capital*: Y.500,000; paid up, Y.162,500; No. of Shares, 2,000. *Directors*: K. Kanehara, S. Kanehara, Y. Iida, E. Takahashi and M. Kanahara. *Auditors*: G. Hakamada, N. Suyamoto and K. Kusuge. *Workmen*: 35; 1 oil engine, 3 h.p. and 1 electric motor, 2 h.p.

ITO SHOKKO SHO SHOKKI BU

(ITO LOOM WORKS)

Manufacturing weaving machinery.
Office: Kagogawa Machi, Hyogo Pref. *Established*: October, 1917. *Capital*: Y.1,000,000; paid up, Y.450,000. *President*: K. Ito. *Director*: I. Inaoka. *Workmen*: 58.

IWANAGA KOSAKU SHO

(IWANAGA ENGINEERING WORKS)

Manufacturing silk weaving and spinning machinery.
Office: 121 Izumio Machi, Nishi Ku, Osaka. *Established*: March, 1917. *Proprietor*: H. Iwanaga. *Engineer*: I. Yoshida. *Workmen*: 50; 1 motor, 10 h.p.; lathes, 18; planers, 2; shaping, 3; borers, 8; slotting, 1; hobbing, 1; grinder, 1.

IZUMI SHUTTLE KABUSHIKI KAISHA

(IZUMI SHUTTLE CO., LTD.)

Manufacturing spinning and weaving machinery.
Office: 695 Sano Machi, Sennan Gun, Osaka Pref. *Established*: July, 1918. *Capital*: Y.150,000; paid up,

Y.60,000; No. of Shares, 3,000. *Directors*: T. Miyauchi, Y. Akematsu and Y. Koitani. *Auditors*: S. Furutsuma and M. Miyauchi.

KACHI SHOKKI SEISAKU SHO

(KACHI WEAVING MFG. WORKS)

Manufacturing weaving looms.
Location: Sanno-mura, Senhoku Gun, Osaka Pref. *Established*: April, 1917. *Proprietor*: Waichi Kachi. *Workmen*: 23. *Motors*, 1 of 4 h.p.

KACHI TEKKO SHO

(KACHI IRON WORKS)

Manufacturers of spinning machinery.
Location: 1371 Sancho, Namba Sakura Gawa, Minami-ku, Osaka Pref. *Established*: November, 1906. *Proprietor*: Benji Kachi. *Workmen*: 110; 1 motor, 2 h.p. and 1, 10 h.p.; gas engine, 1, 8 h.p.

KAMIYA TEKKO SHO

(KAMIYA IRON WORKS)

Manufacturing weaving and dyeing machinery.
Office: Sanban Cho, Kitahorii, Nishi-ku, Osaka. *Established*: May, 1893. *Proprietor*: Y. Kamiya. 1 motor, 7 h.p. *Workmen*: 47.

KANAI TEKKO SHO

(KANAI WORKS)

Manufacturing weaving looms.
Location: Tatsumi-cho, Amagasaki City, Hyogo Pref. *Established*: June, 1900. *Proprietor*: Kunimatsu Kanai. *Workmen*: 19.

KANATA TEKKO SHO

(KANATA WORKS)

Manufacturing cranes, weaving looms, etc.
Location: Urae, Sagisu-cho, Nishinari Gun, Osaka Pref. *Established*: February, 1918. *Proprietor*: Jutarō Kanata. *Workmen*: 15. *Motors*, 1 of 5 h.p.; lathes, 5; shapers, 1; borers, 2.

KANEI TRAVELLER SEIZO SHO

(KANEI TRAVELLER MFG. WORKS)

Manufacturing traveller machinery.
Works: Kyujonai, Amagasaki City, Hyogo Pref. *Business Office*: 3 Sonezaki Kami, Kita-ku, Osaka. *Established*: January, 1894. *Capital*: Y.50,000. *Proprietor*: K. Kanai. *Workmen*: 180; 1 motor, 50 h.p.; Kanei type automatic traveller machinery, 50; and Kanei type automatic string machinery.

KANSAI BOHIN SEISAKU SHO

(KANSAI SPINNING GOODS MANUFACTURING WORKS)

Manufacturing weaving and spinning machinery.
Average Yearly Production: Y.100,000.
Office: Tosabori Ura Machi, Nishi-ku, Osaka. *Second Works*: Sanno Maru, Kyujonai, Amagasaki City, Hyogo Pref. *Established*: April, 1920. *Proprietor*: S. Inoue. *Engineer*: S. Kimura. *Workmen*: 20; motors, 1, 5 h.p. and 1, 3 h.p.; lathes, 7; boring, 2; ring grinders, 20; small milling, 1.

KANSAI CHUZO SHO KABUSHIKI KAISHA

(KANSAI FOUNDRY LIMITED PARTNERSHIP)

Manufacturing spinning machine parts and general castings. *Average Yearly Production*: Y.100,000.

Office: 1367 Sanchome, Nanba Sakuragawa Machi, Minami-ku, Osaka City. *Established*: April, 1918. *Capital*: Y.20,000. *Proprietor*: K. Fukutake. *Workmen*: 30; 1 motor, 10 h.p.; blower, 1.

Branch Works: 405 Yoshino Higashino Machi, Nishinoda, Kita-ku, Osaka.

KANSAI KIRYO KABUSHIKI KAISHA

(KANSAI MACHINERY Co., LTD.)

Office: 65 Obie Shinden, Chaya Machi, Tokubo Gun: Okayama Pref. *Established*: January, 1920. *Capital*: Y.200,000; paid up, Y.50,000; No. of Shares, 40,000. *Directors*: S. Himenaka, I. Nakamura, J. Nakamura, R. Kusudo and J. Uchida. *Auditor*: H. Nakamura.

KAWACHO MERIYASU KIKAI SEISAKU SHO

(KAWACHO KNITTING MACHINE Co.)

Manufacturing knitting machines.

Office: 16 Sanchome, Midori Cho, Honjo-ku, Tokyo. *Established*: July, 1895. *Proprietor*: Chokichi Kawaharada. *Workmen*: 20; 1 motor, 3 h.p.

KAWAMOTO SEIKI SHO

(KAWAMOTO MACHINERY WORKS)

Manufacturing spinning machinery. *Average Yearly Production*: Y.500,000.

Office: 2 Suito Saki Machi, Higashi-ku, Nagoya. *Established*: February, 1914. *Proprietor*: M. Kawamoto. *Engineers*: T. Kuriharami and K. Aikawa. *Manager*: R. Tsukamoto. *Workmen*: 60; 1 motor, 10 h.p.; lathes, 24; shaper, 3; drilling, 8; hobbing, 2; turret lathes, 2; screw cutting, 1; planer, 1. *Branch Office*: Saemoncho Asasakusa-ku Tokyo City.

KIDO TEKKO SHO

(KIDO IRON WORKS)

Manufacturing spinning and weaving machines.

Office: Higashikobashi, Tsuruhashi Machi, Osaka Pref. *Established*: July, 1894. *Proprietor*: C. Kido. *Workmen*: 120; 1 motor, 15 h.p. and 1, 5 h.p.

KIMOTO TEKKO KABUSHIKI KAISHA

(KIMOTO IRON WORKS, LTD.)

Manufacturing spinning and other machinery.

Location: Imazato, Kamitsu Mura, Nishinari Gun, Osaka Pref. *Osaka Office*: Izucho, Nishi Ku. *Established*: July, 1920. *Capital*: Y.1,000,000; paid up, Y. 250,000; No. of Shares, 20,000. *Directors*: K. Kimoto, Y. Homma, K. Aoda and Y. Sugimura. *Auditors*: Y. Kawasaki and C. Omori. *Engineers*: F. Hara and H. Nakano. *Workmen*: 127; 1 electric motor, 65 h.p.; lathes, 23; drills, 6; planers, 3; shapers, 3; milling, 3; hobbing, 1; blowers, 2; and 5 other machines.

KIRIU KIKAI KABUSHIKI KAISHA

(KIRIU MACHINERY Co., LTD.)

Office: Shinjuku, Kiriu City, Gunma Pref. *Established*: January, 1917. *Capital*: Y.350,000; paid up, Y.300,000. *President*: J. Maebara. *Managing Director*: N. Maebara. *Directors*: B. Kakigami, Y. Maebara and I. Kimura. *Auditors*: I. Tosaka and U. Saito. *Advisers*: M. Mori and F. Osawa. *Engineer*: K. Nishihara. *Workmen*: 93; 5 motors, 30 h.p.; cupola, 1; lathes, 33; lathes, 4; horizontal borers, 29; grinders, 13, and 26 other machines.

KITAORI FUNAOKA KOJO GOSHI KAISHA

(FUNAOKA WORKS OF THE KITAORI PARTNERSHIP)

Manufacturing power and hand looms.

Head Office: Jofkuji Nishi Iru, Gotsuji Nishijin Kyoto City. *Office*: Nishiiru, Jofukuji, Gotsuji, Nishijin, Kyoto City. *Works*: Funaoka, Ohmiya, Nishijin, Kyoto City. *Established*: July, 1883. *Proprietor*: M. Kitaori. 1 motor, 20 h.p.; lathes, 4; planers, 2; borers, 4; milling, 1; face lathe, 1; band saw, 1; round saw, 1, and 18 other machines.

KOHAMA TEKKO SHO

(KOHAMA IRON WORKS)

Manufacturing dyeing machinery and drug manufacturing appliances.

Office: Nijo Kudara, Kurumaya Machi, Kyoto City. *Established*: 1917. *Proprietor*: H. Kohama. *Engineer*: H. Kohama. Motor, 1; planer, 1; borers, 3; blower, 1; vises, 10; screw cutting, 1.

KOIKE TEKKO SHO

(KOIKE IRON WORKS)

Manufacturing spindles and rolls.

Office: 1054, 1 Ichome, Sakuragawa Machi, Nanba, Osaka City. *Established*: 1906. *Proprietor*: H. Koike. *Workmen*: 30; 1 motor, 5 h.p. lathes, 6; shaping, 2.

KOKURA TEKKO SHO

(Kansai Spring Seisaku Sho)

(KOKURA IRON WORKS)

Manufacturing spinning machinery, accessories and all kinds of springs. *Average Yearly Production*: Y. 2,000,000.

Business Office: 28 Ichioka Machi, Nishi-ku, Osaka. *Works*: 368 Ichioaka Machi, Nishi-ku, Osaka. *Branch Works*: Kita Kanzaki Machi, Nigashi-ku, Osaka. *Established*: July, 1885. *Representative Director*: M. Kokura. *Engineer*: M. Sunamura. *Manager*: Masataro Kokura. *Workmen*: 60; 1 motor, 10 h.p. and 1, 5 h.p.; lathes, 8; punching, 8; borers, 5, and 3 others.

KOMATSU TEKKO KABUSHIKI KAISHA

(KOMATSU IRON WORKS Co., LTD.)

Manufacturing hand looms and supplies.

Office: 18, Moto Saiku Machi, Komatsu Machi, Nobi Gun, Ishikawa Pref. *Established*: December, 1919. *Capital*: Y.200,000; paid up, Y.140,000. *President*: S. Sekito. *Managing Director*: H. Hiramatsu. *Directors*: M. Tomioka, E. Yamakami, S. Okada, J. Yamamoto and Y. Yasuda. *Auditor*: M. Tsutsui.

KOTOBUKI SEISAKU SHO KABUSHIKI KAISHA

(KOTOBUKI MFG. Co., LTD.)

Manufacturing fibre machinery.

Office: Zao Machi, Nishi Kujo, Shimo Kyo Ku, Kyoto City. *Established*: May, 1919. *Capital*: Y.500,000, all paid up. *Managing Directors*: K. Kurosawa and S. Seki. *Directors*: S. Tahata and K. Tsuneta. *Auditors*: C. Kawai and K. Yamada.

KUMAGAI SEISAKU SHO

(KUMAGAI FACTORY)

Manufacturing cotton, hemp, silk and velvet looms.

Average Yearly Production: Y.158,000. *Office*: 34 Ichome, Tenmabashi Suji Nishi, Kita-ku, Osaka. *Established*: July, 1904. *Proprietor*: I.

Kumagai. *Engineer*: K. Koshikawa. *Manager*: K. Katayama. *Workmen*: 40; 1 motor, 5 h.p.; lathes, 10; planers, 2; boring 1; drills, 3; milling, 1; grinders 2; shuttle making machines, 2.

KURADOKORO TEKKO SHO

(KURADOKORO IRON WORKS)

Manufacturing spinning machinery.

Office: 662 Higashi Honjo, Toyosaki Machi, Nishinari Gun, Osaka Pref. *Proprietor*: S. Kuradokoro. *Workmen*: 40.

KURIHARA KIRYO SHOTEN

(KURIHARA MACHINERY WORKS)

Manufacturers of spinning machinery.

Location: 13 Nichome, Hayashi Cho, Honjo-ku, Tokyo. *Established*: September, 1884. *Proprietor*: Waichi Kurihara. *Engineer*: J. Arai. *Workmen*: 89; 1 motor, 3 h.p.

KUROTA MERIYASU KIKAI SEISAKU SHO

(KUROTA KNITTING MACHINERY WORKS)

Manufacturers of knitting machinery.

Location: 24 Nichome, Okaji Machi, Shitaya-ku, Tokyo. *Established*: March, 1904. *Proprietor*: Shintaro Kurota. *Workmen*: 20; 1 motor, 1 h.p.

Branch Works: 11 Nichome, Yokoami Cho, Honjo-ku, Tokyo. *Established*: January, 1918. *Workmen*: 20; 1 motor, 5 h.p.

KYODO KIKAI SEISAKU SHO GOSHI KAISHA

(KYODO MFG. PARTNERSHIP)

Manufacturing Spinning machines.

Office: Kitashinagawashuku, Shinagawa-cho, Ebara Gun, Tokyo Pref. *Established*: November, 1919. *Capital*: Y.60,000, all paid up. *Representative*: Teikichi Tanabe. *Workmen*: 50. Motors, 1 of 7½ h.p.; milling machines, 1; shapers, 1; lathes, 4; turret lathes, 1; drills, 4; grinders, 3.

KYOTO MONORI KIKAI KABUSHIKI KAISHA

(KYOTO MONORI MACHINERY Co., LTD.)

Manufacturing Monori weaving machinery. *Average Yearly Production*: Y.260,000.

Office: Nishiiru, Ohmiya, Shichijo Dori, Kyoto City. *Branch Offices*: Shanghai, China; Dairen and Manchuria. *Established*: January, 1889. *Capital*: Y.200,000; paid up, Y.150,000; Reserve, Y.570. *Managing Director and Engineer*: S. Kurata. *Manager*: E. Namikawa. *Workmen*: 92; 1 motor, 10 h.p. and 1, 1 h.p.; lathes, 4; planers, 2; borers, 5; surfacer, 1; hand planer, 1; horizontal borer, 1; grinder, 1.

MAKINO CHUZO SHO

(MAKINO CASTING WORKS)

Manufacturing weaving machines.

Location: No. 595, Izuwo-cho, Nishi-ku, Osaka City. *Established*: May, 1918. *Proprietor*: Yoshitaro Makino. *Workmen*: 12. Motors, 1 of 5 h.p.

MARUZAWA KIKAI SHOKAI KABUSHIKI KAISHA

(MARUZAWA MACHINERY Co., LTD.)

Manufacturing spinning machines and tools.

Office: Kameta-machi, Nakaabara Gun, Niigata Pref. *Established*: May, 1919. *Capital*: Y.100,000. *Directors*: J. Osawa, Y. Katayama, K. Yamasaki and S. Fujita. *Auditors*: T. Hoshiyama and K. Kumamoto.

MATSUURA TEKKO SHO GOSHI KAISHA

(MATSUURA IRON WORKS)

Manufacturing knitting machinery.

Office: 140, 3 tchome, Tenmanbashi Suji, Kita Ku, Osaka City. *Established*: October, 1896. *Proprietor*: C. Matsuura. Electric motor, 1, 2 h.p. *Workmen*: 15.

MIHOKAWA KOJO

(MIHOKAWA WORKS)

Manufacturing reeling machines.

Office: 4 Hatsune Machi, Koishikawa Ku, Tokyo City. *Established*: February, 1888. *Proprietor*: N. Mihokawa. *Workmen*: 40; 1 boiler, 10 h.p. and 1 gas engine, 10 h.p.

MORITA SEISAKU SHO

(MORITA MFG. WORKS)

Manufacturing weaving machines.

Location: Inari-cho, Nanba, Minami-ku, Osaka City. *Established*: 1915. *Proprietor*: Kokichi Morita.

NAGATA MERIYASU KIKAI KABUSHIKI KAISHA

(NAGATA KNITTING MACHINERY Co., LTD.)

Manufacturers of knitting machines. *Average Yearly Production*: Y.500,000.

Location: 908 Nishi Sugamo Machi, Kita Toyoshima Gun, Tokyo Pref. *Established*: November, 1918. *Capital*: Y.1,200,000; paid up, Y.541,000; Reserve, Y.27,000; Dividend, 10 per cent.; No. of Shares, 24,000. *President*: S. Nagata. *Directors*: Z. Ikeda, F. Hirano, B. Kosugi, N. Takayanagi and Y. Nishimura. *Auditors*: K. Kusata, S. Nakata and M. Oshima. *Engineer*: K. Suzuki. *Adviser*: K. Sakada. *Workmen*: 390; 3 motors, 13 h.p.; milling, 48; lathes, 35; drilling, 45; planers, 3.

NAGOYA LEAD KABUSHIKI KAISHA

(NAGOYA LEAD Co., LTD.)

Manufacturing lead wire manufacturing machines.

Office: 63 Shima Machi, Nishi-ku, Nagoya City, Aichi Pref. *Established*: March, 1920. *Capital*: Y.250,000; paid up, Y.62,500. *Directors*: T. Watanabe. *D. Sakakura*, T. Kawamatsu and S. Akami. *Auditors*: K. Goto and K. Kawamura.

NAGOYA SHOKAI SEIZO KABUSHIKI KAISHA

(NAGOYA LOOM MANUFACTURING Co., LTD.)

Manufacturing weaving machines. *Average Yearly Production*: 3,700 machines.

Office: No. 57, Yokota Higashi Machi, Atsuta, Minami-ku, Nagoya, Aichi Pref. *Established*: November, 1919. *Capital*: Y.1,000,000; paid up, Y.350,000. *Managing Director*: Y. Nakamura. *Engineer*: F. Hirai. *Manager*: H. Suzuki. *Workmen*: 280; 1 motor, 20 h.p. and 1, 15 h.p.; lathes, 36; borers, 14; planers, 3; shapers, 4; turret, 4; milling, 3; screw cutting, 5; vertical cutting, 3; pig iron furnace, 1; air furnace 1; blowers, 4.

NAKAGAWA TEKKO SHO

(NAKAGAWA IRON WORKS)

Manufacturing spinning machines and electric apparatus.

Office: 81 Higashi Kobashi, Furuhashi Machi, Tosei Gun, Osaka Pref. *Established*: 1895. *Proprietor*: Y. Nakagawa. *Engineer*: C. Kubota. *Workmen*: 25; 1 motor, 10 h.p.

NAKATA SEISAKU SHO

(NAKATA MFG. WORKS)

Manufacturing spinning machines.

Location: Kamino machi, Sangenya, Nushi-ku, Osaka City. *Established*: September, 1917. *Proprietor*: Hanbe Nakata. *Workmen*: 30. *Motors* 1 of 10 h.p.

NIHON BOKI KOGYO KABUSHIKI KAISHA

(NIHON SPINNING MACHINE Co., LTD.)

Manufacturing all kinds of spinning machinery and tools.

Business Office: 2 Imabashi, Higashi-ku, Osaka. *Works*: 105 Shimono Machi, Nishi Kujo, Nishi-ku, Osaka. *Branch Works*: Namine Machi, Higashi, Sakai City, Osaka Pref. *Established*: February, 1920. *Capital*: 3,000,000; paid up, Y.750,000; No. of Shares, 60,000. *Managing Directors*: B. Nozaki, and S. Kawasaki. *Directors*: C. Ishii, T. Takakura, S. Nozaki, T. Okumura, S. Abe, G. Sakurase and K. Hirozawa. *Auditors*: B. Hara, K. Hara and A. Aba. *Engineer*: C. Ishii. *Workmen*: 171.

**NIHON BOSHOKU KIKAI SEIZO SHO
KABUSHIKI KAISHA**

(NIHON SPINNING MACHINERY Co., LTD.)

Manufacturing spinning machinery.

Office: 282 Izumio Machi, Nishi-ku, Osaka City. *Established*: October, 1917. *Capital*: Y.100,000; paid up, Y.25,000. *Managing Directors*: Y. Itogawa and C. Otsuka. *Directors*: M. Okada and Y. Sugain. *Workmen*: 95; 3 motors, 30 h.p.

NIHON LEAD SEISAKU SHO

(NIHON HELD MANUFACTURING WORKS)

Manufacturing lead, lead wire and lead products. *Average Yearly Production*: Y.200,000.

Works: 56 Itchome, Shinonome Dori, Kobe City. *Business Office*: 6 Sanchome, Nozaki Dori, Kobe City. *Branch Office*: 46 Shichome, Sakai Machi, Kobe City. *Established*: April, 1915. *Capital*: Y. 300,000. *Proprietor*: S. Sugita. *Workmen*: 160; 1 motor, 5 h.p. and 2, 1 h.p.; connection apparatus, 2; shapers, 45; soldering machines, 10; finishing machines, 5.

**NIHON KIKAI SEISAKU SHO KABUSHIKI
KAISHA**

(NIHON ENGINE MFG. Co., LTD.)

Manufacturing general machinery.

Office: Higashi Nakadori, Tsukijima, Kyobashi-ku, Tokyo City. *Established*: March, 1916. *Capital*: Y. 2,000,000; paid up, Y.1,000,000. *Reserve*: 84,000. *President*: Masagoro Akiba. *Managing Director*: Kanji Ota. *Directors*: S. Tobar, Y. Nishimura, S. Ota, K. Nishikawa, T. Watanabe and R. Shiba. *Auditors*: T. Nishihiko and M. Maekawa. *Workmen*: 200.

**NIHON KINU SHOKKI SEISAKU SHO
KABUSHIKI KAISHA**

(NIHON SILK LOOM MANUFACTURING Co., LTD.)

Manufacturing hand silk weaving machines.

Office: 43 Saioji Machi, Shiba-ku, Tokyo. *Branch Works*: 55 Saioji Machi, Shiba-ku, Tokyo. *Established*: July, 1919. *Capital*: Y.500,000; paid up, Y.350,000; *Reserve*, Y.2,200. *President*: N. Izumi. *Managing Director*: K. Nakamura. *Directors*: S. Inouye, Y. Maebara, Y. Kajima and T. Magario. *Auditor*: U. Rakkaku. *Director and Engineer*: T. Yamamoto. *Motors*, hobbing, milling, borer, planer, shaper.

NIHON KIRYO KABUSHIKI KAISHA

(NIHON LOOM MATERIALS Co., LTD.)

Manufacturing white satin needle manufacturing machinery.

Office: Matsuo, Kawagoe Machi, Saitama Pref. *Established*: April, 1920. *Capital*: Y.100,000; paid up, Y.25,000. *Directors*: M. Hayakawa, T. Ogino, H. Nakamura and U. Dekiyama. *Auditors*: U. Tanaka and K. Nomoto.

NIHON KOGYO KABUSHIKI KAISHA

(NIHON INDUSTRY Co., LTD.)

Manufacturing spinning machines and tools.

Office: 7 Shichome, Teraji Machi, Nishi, Sakai City, Osaka Pref. *Established*: February, 1920. *Capital*: Y.2,000,000; paid up, Y.500,000; No. of Shares, 40,000. *Representative Director*: R. Komuro. *Directors*: R. Miyata, N. Morimoto, S. Yamada, T. Osawa and S. Matsunaga. *Auditors*: B. Kato, Y. Higuchi, H. Nakajima, I. Yoshimura and Miura.

NIHON KOSHO YOHIN KABUSHIKI KAISHA

(NIHON INDUSTRIAL AND COMMERCIAL ARTICLE Co., LTD.)

Manufacturing spinning, silk and wool weaving machinery.

Office: 3 Itchome, Ote Dori, Higashi-ku, Osaka. *First Works*: 680 Honjo Ukita Machi, Kita-ku, Osaka. *Established*: August, 1918. *Capital*: Y.150,000; paid up, Y.37,000; No. of Shares, 3,000. *Directors*: T. Kajita, K. Kajita and T. Shiono. *Auditor*: K. Hyado.

**NIHON SHUTTLE SEIZO KABUSHIKI
KAISHA**

(NIHON SHUTTLE MANUFACTURING Co., LTD.)

Manufacturing shuttles.

Office: Kita Nakadori Mura, Sennan Gun, Osaka Pref. *Established*: May, 1918. *Capital*: Y.100,000; paid up, Y.40,000. *President*: Y. Banshoya. *Managing Director*: K. Usyunomiya. *Directors*: C. Sakagami and T. Sakagami. *Auditors*: E. Shinkawa and H. Sawano. *Workmen*: 27; 2 motors, 13 h.p.

**NIHON SPINDLE SEISAKU SHO GOSHI
KAISHA**

(NIHON SPINDLE MFG. PARTNERSHIP)

Manufacturing spindles.

Office: Urae, Sagisu-cho, Nishinari Gun, Osaka Pref. *Established*: November, 1918. *Representative*: Gonbe Kuwada. *Workmen*: 150. *Kannaki Works*: Oda mura, Kawabe Gun, Hyogo Pref. *Urea Works*: Urae, Sagisu-cho, Nishinari Gun, Osaka Pref.

**NIHON TEKKI SEISAKU SHO KABUSHIKI
KAISHA**

(NIHON IRON MACHINERY Co., LTD.)

Manufacturing spinning spindles.

Office: Yodabashi-machi, Tokyo Pref. *Established*: June, 1919. *Capital*: Y.300,000; paid up, Y.75,000. *President*: Shozo Ushida. *Directors*: T. Dohi and A. Watanabe. *Auditors*: J. Hodohaya and S. Matsuwo.

NISHIO MERIYASU KIKAI SEIZO SHO

(NISHIO KNITTING MACHINERY Co.)

Manufacturers of knitting and stocking making machinery.

Location: Itchome, Tenmabashi Suji, Kita-ku, Osaka. *Established*: March, 1892. *Capital*: Y.100,000. *Proprietor*: Tsugizo Nishiyama. *Workmen*: 17; 1 motor, 5 h.p.

NOGUCHI TEKKO SHO

(NOGUCHI IRON WORKS)

Manufacturing spinning and brick making machinery.
Office: 6 5 tchome, Shinsakae Machi, Kyobashi Ku, Tokyo City. *Established*: May, 1889. *Proprietor*: S. Noguchi. *Workmen*: 25; 1 motor, 5 h.p.; lathes, 10; borers, 2; shaping, 3; face lathe, 1; milling, 1.

NOMURA SEISAKU SHO

(NOMURA FACTORY)

Manufacturing weaving and spinning machines.
Average Yearly Production: Y.30,000.

Office: 177 Shibata Machi, Kitano, Kita Ku, Osaka City. *Established*: July, 1917. *Proprietor*: K. Nomura. *Workmen*: 10; Electric motor, 1, 2 h.p.; lathes, 3; shaping, 1; borers, 2; emery machine, 1, and others.

NAGASAKI TEKKO SHO GOMEI KAISHA

(NAGASAKI IRON WORKS)

Manufacturing spinning machines.

Office: 88, 3 tchome, Shimo Fukushima, Kita Ku, Osaka City. *Established*: August, 1918. *Proprietor*: H. Nagasaki. *Workmen*: 50; 1 electric motor, 15 h.p.

NAGATA SHOTEN TEKKO BU

(NAGATA SHOP IRON DEPARTMENT)

Office: 64, 2 tchome, Hinda, Nishi Ku, Osaka City, Osaka Pref. *Factories*: 38, 2 tchome, Honden Cho, Nishi Ku, Osaka City. *Established*: 1907. *Proprietor*: C. Nagata. *Workmen*: 20; 1 electric motor, 7½ h.p.

OHTANI TEKKO SHO

(OHTANI IRON WORKS Co., LTD.)

Manufacturing spinning and weaving machines.

Office: 45 Kamino Machi, Sangenya, Nishi-ku, Osaka. *Established*: December, 1919. *Capital*: Y.250,000; paid up, Y.62,500. *Proprietor*: T. Ohtani. *Lathes* 12 borers 3; shaping 1; workmen: 30. *Motors* 1 of 7 h.p.

ORIENTAL SHOKKI KOGYO KABUSHIKI KAISHA

(ORIENTAL LOOM Co., LTD.)

Manufacturing looms.

Office: 210-Otsu, Higashi Horibata Machi, Okayama, Okayama Pref. *Established*: December, 1919. *Capital*: Y.100,000; paid up, Y.25,000. *Directors*: K. Mitsunami, K. Shimo, K. Kitagawa, I. Tokunaga, N. Shigiya, Y. Tanaka and T. Fujii. *Auditors*: Y. Fujiki K. Takahashi & T. Akaki.

OSAKA BOSHOKUKI SEISAKU SHO KABUSHIKI KAISHA

(OSAKA SPINNING AND WEAVING MACHINE Co., LTD.)

Manufacturing spinning and weaving machinery.

Business Office: 88 Kobata Machi, Kita-ku, Osaka. *Works*: Ikaino, Tsuruhashi Machi, Higashi Nari Gun, Osaka Pref. *Established*: May, 1919. *Capital*: Y. 150,000; paid up, Y.37,500. *Directors*: S. Ryokado, Y. Iwafuji, S. Hagino, K. Yonemura and M. Mizuno. *Engineer*: S. Hagino. *Auditors*: K. Mitsumura & B. Tanai. *Workmen*: 40.

OSAKA KIKAI KOSAKU SHO KABUSHIKI KAISHA

(OSAKA ENGINEERING WORKS, LTD.)

Manufacturing all kinds of spinning and general machinery, water meters, pumps, automobiles.

Office: Minami Hama, Toyosaki Machi, Nishi Nari Gun, Osaka Pref. *Established*: October, 1915. *Capital*: Y.5,000,000; paid up, Y.2,468,750. *President*: M. Muraki. *Directors*: K. Shimomura, M. Ohta and Y. Nishida. *Auditors*: Y. Ueda and I. Matsui. *Advisers*: R. Hanta and J. Yamaoka. *Technical Advisers*: S. Takakura and K. Kanda. *Manager*: Y. Sawamura. *Engineer*: Y. Nishida. *Workmen*: 700; *Motors*, 1, 25 h.p.; 10, 20 h.p.; 1, 10 h.p.; 1, 7½ h.p.; 1, 5 h.p.; 1, 2 h.p.; 1, 1 h.p.; 1, ½ h.p. and direct current motor, 1, ½ h.p.

Average Yearly Production: Spinning machines, 40,000 spindles; pumps, 1,500; water meters, 50,000.

Equipment: All lathes, 359; milling, 23; grinders, 28; drilling, 38; shaping, 30; automatic screwing, 3; automatic gear cutters, 16; gear hobbing, 3; gear generator, 1; air hammers, 3; screw cutting machines and others, 166; Total machines, 760; cupolas, 3; Total buildings, 714; Area, 5,597 *tsubo*; area of land, 8,148 *tsubo*.

OSAKA SEIKI SHO GOSHI KAISHA

(OSAKA MFG. PARTNERSHIP)

Office: No. 21, Asahi-machi, Kita-ku, Osaka City. *Established*: April, 1920. *Representative*: Shigesaburo Tamimatsu.

OSAKA SEIKO KAKUSHIKI KAISHA

(OSAKA WHITE SATIN Co., LTD.)

Office: Koji Mura, Higashi Nari Gun, Osaka Pref. *Established*: June, 1917. *Capital*: Y.300,000; paid up Y.75,000. *Directors*: R. Arima, H. Isikawa, Y. Kawase, S. Okada and T. Shikawa. *Auditors*: T. Tomiuchi and T. Asada. *Workmen*: 45; 1 motor, 10 h.p.

OSAKA SEISAKU SHO KABUSHIKI KAISHA

(OSAKA MANUFACTURING Co., LTD.)

Manufacturers of spinning and chemical industrial machinery.

Location: 369 Nakamichi, Nakahon Machi, Higashinari Gun, Osaka Pref. *Established*: March, 1917. *Capital*: Y.1,000,000; paid up, Y.250,000; No. of Shares, 20,000 (Old and New even); *President*: G. Hirano. *Directors*: N. Itami, S. Yoshida and T. Fukuda. *Auditors*: T. Sasaki and E. Knamoto. *Workmen*: 90; 2 motors, 25 h.p. In November, 1918, Company absorbed the Naigai Kikai Kabushiki Kaisha.

OSAKA SHOKKI SEISAKU SHO

(OSAKA LOOM WORKS)

Manufacturing lead wire.

Office and Works: 3 Gamo, Namazue Machi, Higashinari Gun, Osaka Pref. *Branch Works*: 3 Ginza, Fushimi Cho, Kyoto Pref. *Established*: October, 1916. *Representative Director*: K. Inouye. *Workmen*: 55; 1 motor, 5 h.p.; automatic screwing, 8.

OSAKA SHUTTLE SEIZO GOMEI KAISHA

(OSAKA SHUTTLE Co.)

Manufacturing shuttles.

Office: 32 Uyeno Machi, Sangenya, Nishi-ku, Osaka. *Established*: December, 1905. *Capital*: Y.3,000; paid up; Reserve, Y.4,000. *Representative Directors*: Y. Kurahashi and E. Ikisu. *Workmen*: 20; 1 motor, 3 h.p. circular saw, 1; lathes, 3. shuttle lathes, 3; borers, 4;

SAIKO SHA KABUSHIKI KAISHA

(SAIKO SHA Co., LTD.)

Manufacturing varnish and yarn holders. *Average Yearly Production*: Varnish 100,000 gallons; yarn holders, 3,000,000.

Office : 263 Tanakae Machi, Nishino, Kita Ku, Osaka City. *Established* : February, 1899. *Capital* : Y.500,000; paid up, Y.425,000; Reserve, Y.52,100. *President* : K. Tachino. *Directors* : T. Morimoto, W. Tachino, Takeo Morimoto and S. Kawaguchi. *Auditor* : M. Takahasi. Electric motors, 1, 15 h.p.; 1, 3 h.p.; 1, 7½ h.p. and 1, 5 h.p.

SAIEN TEKKO KABUSHIKI KAISHA

(SAIEN IRON WORKS, LTD.)

Manufacturing weaving and other machines.

Office : Tenshincho Mure, Hamana Gun, Shizuoka Pref. *Established* : February, 1920. *Capital* : Y.300,000; paid up, Y.75,000. *Directors* : C. Amano, S. Naito, H. Ohishi, R. Yamaba and R. Enomoto. *Auditors* : K. Kosugi, R. Mori S. Saito and Y. Ito.

SAKAI SHOKUKI KABUSHIKI KAISHA

(SAKAI WEAVING MACHINERY CO., LTD.)

Manufacturing weaving machines and accessories.

Office : Shichido, Sakai City, Osaka Pref. *Established* : August, 1916. *Capital* : Y.12,000. *President* : S. Asaka. *Director* : H. Asaka.

SATO TEKKO SHO

(SATO IRON WORKS)

Manufacturing spinning spindles and cutters.

Location : Nakamichi, Makamoto-cho, Nishi-nari Gun, Osaka Pref. *Established* : December, 1917. *Proprietor* : Kanwo Sato. *Workmen* : 25. Motors, 1 of 5 h.p.; milling machines, 2; grinder, 3; air furnaces, 2; boring machines, 3.

SEIKO SHA

Manufacturing dyeing, weaving and pulp machinery.

Office : Kudaru, Imadegawa, Teramachi Dori, Kyoto City. *Factories* : Kudaru, Imadegawa, Teramachi Dori, Kyoto City; Naka Nishiura Machi, Kami Kyo Ku, Kyoto City. *Established* : December 1914. *Proprietor* : Kennsouke Awoyanagi. *Me Workmen* : 30.

SHOKUKI YOHIN KABUSHIKI KAISHA

(SPINNING MACHINE SUPPLY CO., LTD.)

Office : Nakatsu Machi, Nishinari Gun, Osaka Pref. *Established* : July, 1918. *Capital* : Y.75,000. *President* : Okujiro Abe. *Directors* : A. Kawasaki and M. Asaki. *Workmen* : 18; electric motor, 1, 10 h.p.

SHOKUKI YOHIN SEIZO SHO

(WEAVING MACHINE SUPPLY WORKS)

Manufacturing wire holders, shuttles and loom accessories.

Office : 18 Eyama Machi, Nishi Ku, Osaka City. *Established* : June, 1903. *Proprietor* : G. Nonaka. *Workmen* : 30; electric motor, 1, 15 h.p.

SUGITA KOJO

(SUGITA WORKS)

Manufacturing wire belting.

Office : 5, 1 tohome, Shinonome Dori, Hyogo, Kobe City, Hyogo Pref. *Established* : June, 1917. *Proprietor* : H. Sugita. *Workmen* : 79; 1 electric motor, 5 h.p.

SUZUMASA SHIKI SHOKUKI KABUSHIKI KAISHA

(SUZUMASA TYPE LOOM CO., LTD.)

Manufacturing looms and accessories.

Office : 257 Itaya Machi, Hamamatsu City, Shizuoka Pref. *Established* : February, 1920. *Capital* : Y.2,000,

000; paid up, Y.500,000. *Directors* : M. Kita, M. Tsunoda, B. Hori, C. Kimata and M. Suzuki. *Auditors* : M. Fukuzawa, T. Handa and T. Kuwakara.

SUZUNAGA KIRYO KABUSHIKI KAISHA

(SUZUNAGA KIRYO CO., LTD.)

Manufacturing weaving machines, and complete equipment.

Office : No. 150, Sakaya Hamamatsu City, Shizuoka Pref. *Established* : June, 1922. *Capital* : Y.100,000, all paid up. *Directors* : C. Suzuki, K. Sotoyama, M. Toyoda and E. Niigai. *Auditors* : Y. Terada and R. Iida.

TAKADA KOGYO KABUSHIKI KAISHA

(TAKADA INDUSTRIAL CO., LTD.)

Manufacturing weaving and agricultural machinery.

Office : Fukaya Machi, Osari Gun, Saitama Ken. *Established* : March, 1920. *Capital* : Y.300,000; paid up, Y.75,000. *Directors* : R. Takada, C. Kobayashi, K. Takagi, H. Mochitsuki, S. Tachibana, E. Hashimoto, T. Serizawa, and Z. Takahashi. *Auditors* : T. Kato, T. Otani, H. Akiba and K. Imai.

TAKATA SOKKI KABUSHIKI KAISHA

(TAKATA WEAVING MACHINE WORKS)

Manufacturing weaving and spinning machines.

Office : Nakanoshima-mura, Kaiso Gun, Wakayama Pref. *Established* : March, 1922. *Capital* : Y.100,000. *Directors* : E. Doi, S. Takagaki and U. Tanaka. *Auditors* : T. Saki and T. Fujioka.

TAKEDA SHOKAI GOSHI KAISHA

(TAKEDA STORE LIMITED PARTNERSHIP)

Manufacturing rolls for spinning machinery. *Average Yearly Production* : Y.300,000.

Office and Works : Nijo Agaru, Shim Machi Dori, Kamikyoaku, Kyoto. *Branch Office* : Ryusenji Machi, Shitaya-ku, Tokyo. *Branch Works* : Gojo Noboru, Aburakojo, Shimkyo-ku, Kyoto. *Established* : August, 1903. *Capital* : Y.200,000, paid up; Reserve : Y.50,000. *Representative Director* : S. Takeda. *Engineer* : Y. Takeda. *Workmen* : 200; 1 Motor, 5 h.p. and 1, 4 h.p.; lathes, 20; pantographs, 20; cutters, 4; engraving, 20; rolling, 5; planer, 1; shapers, 5; milling, 4. Area of land : 267 tsubo.

TANABE TEKKO SHO

(TANABE IRON WORKS)

Manufacturing woolen looms, water separating and bleaching machinery.

Office : 57 Sancho, Tenmabashi Suji Dori, Nishi, Kita-ku, Osaka. *Established* : March, 1898. *Capital* : Y.35,000. *Proprietor* : Y. Tanabe. *Workmen* : 30; 1 Motor, 5 h.p. Lathes 12. Borers 5. Boring 1.

TANGO TEKKO SHO KABUSHIKI KAISHA

(TANGO IRON WORKS CO., LTD.)

Manufacturing crepe and spool machinery.

Office : Mineyama Machi, Naka Gun, Kyoto Pref. *Established* : October, 1918. *Capital* : Y.100,000; paid up, Y.25,000. *Directors* : J. Nakamura, K. Nomura, K. Yoshimi, J. Morino and Y. Naka. *Auditors* : B. Takeji, T. Tanaka and Y. Adachi. *Workmen* : 33; 1 oil motor, 3 h.p.

TANIJIN TEKKO SHO

(TANIJIN IRON WORKS)

Manufacturing weaving and spinning machinery.

Location : Minamihorie, Nishi-ku, Osaka City. *Established* : October, 1911. *Proprietor* : Jinhachi Tani. *Workmen* : 18. Motors, 1 of 2 h.p.

TEIKOKU BOSHOKU KIKAI SEIZO KABUSHIKI KAISHA

(IMPERIAL SPINNING MACHINERY MFG. CO., LTD.)

Manufacturing hemp, silk and cotton mixing machinery, high grade machinery, and pulleys.

Office: 13 Sojuro Machi, Kyobashi Ku, Tokyo City. Established: May, 1920. Capital: Y.3,500,000; paid up Y.875,000. Reserve: Y.347. President: T. Yamaguchi. Managing Director: H. Ueda. Directors: K. Takahashi, J. Saito, S. Takaji, J. Kawasaki and I. Ono. Auditors: Y. Suzuki Z. Fujii and S. Nishiwaki. Engineer: N. Suzuki. Workmen: 188; screw cutting lathes, 44; moulding, 20; borers, 16; grinders, 3; gear planers, 2; cupolas 2 of 3,000 kwan, 1 other furnace.

Ohtsu Works: Kita Machi, Ohtsu City, Mie Pref. Power: 2 Motors, 15 h.p. Akabane Works: Akabane, Iwabuchi Machi, Suburb of Tokyo City. Power: 2 motors, 15 h.p. Ohmori Works: Arai Juku, Ohmori Machi, Tokyo Pref. Power: 3 motors, 25 h.p.

TENMAN KOMORI TEKKO SHO

(TENMAN KOMORI IRON WORKS)

Manufacturing wool and cotton mixing machinery. Average Yearly Production: Y.500,000.

Office: Joto Mura, Tosei Gun, Osaka Pref. Branch Office: Tenman Bashi Kita Ku Osaka City. Established: September, 1888. Capital: Y.300,000. Proprietor: Z. Furukawa. Workmen: 150; 1 motor, 10 h.p.; 1, 7.5 h.p.; lathes, 22; planers, 2; shapers, 2; turret lathes, 2; slotter, 1; borers, 5; vises, 80.

TOA KOGYO K. K. SHIGETA SHIKI SHOKKI SEISAKU SHO

(TOA INDUSTRIAL CO., LTD. SHIGETA TYPE LOOM WORKS)

Manufacturing Shigeta type looms. Average Yearly Production: Y.200,000.

Main Office: Morita Railway Station, Yoshida Gun, Fukui Pref. Works: 80 Goban Cho, Kinoinbo, Kanazawa, Ishikawa Pref. Established: April, 1918. Proprietor: Kuzuro Inoue. Workmen: 80; 3 motors, 16.5 h.p.; lathes, 21; borers, 10; 12 other machines.

TODA TEKKO SHO GOSHI KAISHA

(TODA WORKS PARTNERSHIP)

Manufacturing spinning accessories.

Location: No. 195, Kishishiro-machi, Kishiwada, Osaka Pref. Established: August, 1919. Partners: T. Toda and two other partners.

TOKUOKA CHOKOKU SHO

(TOKUOKA ENGRAVING WORKS)

Manufacturing dyeing rolls and engraved rolls. Average Yearly Production: Pcs. 1,500.

Office: 2 Nichome, Higashi Machi, Senbon Nishi Iru, Maruta Machi, Shimokyo-ku, Kyoto. Established: November, 1917. Proprietor Z. Tokuoka. Engineer: S. Tokuoka. Manager: K. Shimada. Workmen: 35; 1 motor, 2 h.p.; engraving machines, 5; pantograph machines, 3; climbing machines, 3; boring, 2; dye, boring machine, 1; varnishing machine, 1; over camera 1; zinc cutter, 1; lathes, 3. Area Land: 70 tsbns.

TOKYO BOSHOKUKI SEISAKU SHO GOSHI KAISHA

(TOKYO SPINNING AND WEAVING MACHINERY WORKS)

Manufacturing spinning machinery and looms for all purposes. Average Yearly Production: Y.107,000.

Office: 536 Kita Shinagawa Shiku, Shinagawa Machi, Ebara Gun, Tokyo Pref. Established: November, 1919. Capital: Y.60,000. Representative Directors: T. Tokunaga and E. Okada. Engineers: T. Masubuchi and T. Amanuma. Workmen: 35; 1 motor.

Equipment: Universal milling 1; shaping 1; lathes, 10; turret lathe, 1; slotter, 1; borer, grinder and centering machines, 8.

TOMOE SEISAKU SHO GOSHI KAISHA

(TOMOE MFG. WORKS PARTNERSHIP)

Manufacturing spinning accessories.

Location: Shimodori, Nishikujo, Nishi-ku, Osaka City. Established: October, 1918. Capital: Y.25,000. Representative Partner: Tokuichi Kuwada. Motors: 1 of 5 h.p.; milling machines, 30.

TOTOMI SHUTTLE KABUSHIKI KAISHA

(TOTOMI SHUTTLES CO., LTD.)

Office: No. 51 Kasai, Kasai-machi, Hamana Gun, Thizuoka Pref. Established: November, 1921. Capital: Y.50,000; paid up, Y.25,000. Directors: K. Oishi, K. Sawaki, S. Kigoshi, K. Omura, K. Adachi, R. Mori, K. Kimura and T. Kitawaki. Auditors: K. Kosugi, H. Noda and K. Sato.

TOYO SHOKKI KABUSHIKI KAISHA

(TOYO LOOM CO., LTD.)

Manufacturing all kinds of weaving machinery.

Office: 48 Yokogawa Machi, Nakano Go, Honjo-ku, Tokyo. Established: March, 1920. Capital: Y.1,000,000; paid up, Y.250,000. Directors: M. Hiwaki, H. Hiwaki, S. Naito, H. Ounabara, J. Yamanaka and H. Odawara. Auditors: T. Chigawa, H. Harada and M. Yatani. Workmen: 70.

TOKYO TEKKO SHO

(TOKYO IRON WORKS)

Manufacturing dyeing machinery.

Office: 6 Jutchome, Tsukishima Dori, Kyobashi-ku, Tokyo. Established: April, 1917. Proprietor: U. Ochiai. Engineer: W. Watanabe. Manager: T. Maekawa. Workmen: 9; 1 Motor, 5 h.p.; vises, 6; lathes, 5; planer, 1; shaping 1; borers, 2.

TOYO BOKI KABUSHIKI KAISHA

(TOYO SPINNING MACHINERY CO., LTD.)

Manufacturing spinning machinery.

Office: 96 Hiranuma Cho, Nishi, Yokohama. Established: July, 1918. Capital: Y.3,500,000 paid up, Y.1,000,000; No. of Shares, 70,000. President: K. Tsuchiya. Managing Director: G. Oe. Directors: S. Nagakura, M. Nagakura, A. Nakamura, H. Sato, T. Takahashi, Y. Minami and T. Hineno. Auditors: H. Uchida, R. Nanba and M. Hiranuma. Engineers: T. Hineno and S. Shindo. Workmen: 200; furnace, 1; lathes, 30; milling 1; drilling 3; planing 1; shaping 2.

TOYOTA SHIKI SHOKKI KABUSHIKI KAISHA

(TOYOTA TYPE LOOM CO., LTD.)

Manufacturing looms.

Office: 1 Shimazaki Machi, Nishi-ku, Nagoya. Branch 21 Izumio Machi, Nishi-ku, Osaka. Manager: B. Ikuma. Established: February, 1907. Capital: Y.3,000,000; paid up, Y.1,762,500. Reserve: Y.685,000; No. of Shares, 60,000. President: F. Taniguchi. Directors: T. Sunaga, I. Kodama, S. Toyota, T. Tsuchiya. Auditors: T. Saito and S. Masuda. Director and Manager B. Ikuma.; 1 Motor, 11 k.w.; gas engines, 4; lathes, 65; drilling, 23; shaping, 8; boring, 4; hand milling, 6; grinders, 12; crank bending, 1; automatic gear cutters, 11; chain moulder, 1; turning machine, 1; hobbing, 1; milling, 12.

TSUDA SEITETSU SHO GOSHI KAISHA

(TSUDA IRON WORKS)

Manufacturing patented Tsuda type silk weaving machines. *Average Yearly Production*: Y.1,000,000.

Office: 29 Sanban Cho, Anamizu Machi, Kanazawa City, Ishikawa Pref. *Established*: November, 1918. *Capital*: Y.55,000. *Representative Director*: Y. Tsuda. *Workmen*: 148; 1 motor, 20 h.p., and 1 gas motor, 15 h.p.; lathe, borer, milling, shaper, slotting, air hammer, gear hobbing, turret lathe, shaper and others, total, 60.

UENO YOSHIZO TEKKO BU

(UENO YOSHIZO WORKS)

Manufacturing knitting machines.

Location: Uchiandoji-machi, Minami-ku, Osaka City. *Established*: 1894. *Proprietor*: Yoshizo Ueno. *Workmen*: 3. *Motors*, 1 of 5 h.p.; lathes, 2; borers, 1.

UMETA SEIKO SHO KABUSHIKI KAISHA

(UMETA STEEL MFG. CO., LTD.)

Manufacturing spinning machinery accessories.

Office: Nabari Machi, Mie Pref. *Established*: December, 1918. *Capital*: all paid up, Y.300,000. *President*: H. Fujita. *Managing Director*: C. Umeda. *Director*: S. Inoue. *Auditors*: R. Sakai and K. Miyahara. *Engineer*: G. Muramatsu.

URAE SEISAKU SHO

(URAE FACTORY)

Manufacturing spindles.

Office: 46 Urae, Sagisu Machi, Nishinari Gun, Osaka Pref. *Established*: November, 1918. *Proprietor*: G. Kuwata. *Workmen*: 55; 4 electric motors, 15 h.p.

USUYA TEKKO KABUSHIKI KAISHA

(USUYA IRON WORKS, LTD.)

Office: 5 and 6 Naka 5 Kamifukushima, Kita Ku, Osaka City. *Established*: June, 1917. *Capital*: Y.100,000; all paid up. *Directors*: K. Usuya, H. Mizuta and K. Tamura. *Auditors*: I. Yasunishi and K. Kobayashi.

WATANABE TEKKO SHO

(WATANABE IRON WORKS)

Manufacturers of spinning machinery and parts.

Location: 427 Nakamichi, Nakahon Machi, Tosei Gun, Osaka Pref. *Established*: September, 1917. *Proprietor*: Harujiichi Watanabe. *Workmen*: 29; 1 motor, 8 h.p.

YAMANAKA SHOKKI SEISAKU SHO

(YAMANAKA MACHINE FACTORY)

Manufacturers of looms.

Location: 42 Sotode Machi, Honjo-ku, Tokyo. *Established*: 1895. *Proprietor*: Zenryo Yamanaka. *Workmen*: 20; 2 motors, 5 h.p.; lathes, 16; drilling, 5; shaping, 1; planer, 1.

YAMASHINA TEKKO SHO

(YAMASHINA IRON WORKS)

Manufacturing spinning and weaving machinery. *Average Yearly Production*: Y.450,000.

Office: 384, Naka Michi, Nakahon Machi, Suburb of Osaka City. *Established*: June, 1896. *Capital*: Y.250,000. *Proprietor*: Y. Yamashina. *Workmen*: 100; 1 motor, 20; 1, 10 h.p.; lathes, 75; shaper, 1; borers, 10; slotting, 1; blowers, 2; cupolas, 2; hammer, 1; milling, 1; grinders, 2.

YAMATO SHOKUKI SEISAKU SHO

(YAMATO WEAVING MACHINE WORKS)

Manufacturing 2 and 4 shuttle silk, cotton, woolen, and hemp weaving machines.

Office: 2390 Gotanbatake, Nodachi Machi, Minami Ku, Nagoya City, Aichi Pref. *Established*: December, 1918. *Proprietor*: S. Iwasaki. *Engineer*: M. Ito. *Workmen*: 25; 1 motor, 10 h.p.; lathes, 11; applied drills, 2; shaping, 2; plane hand milling, 2; emery grinders, 4.

YASUNISHI TEKKO SHO

(YASUNISHI IRON WORKS)

Manufacturing spinning machines.

Location: Tammono-cho, Nanba, Minami-ku, Osaka City. *Established*: 1902. *Proprietor*: Isematsu Yasunishi. *Workmen*: 20. *Motors*, 1 of 5 h.p.; 1 of 3 h.p.; lathes, 2; borers, 3.

YONEZAWA SEISAKU SHO GOSHI KAISHA

(YONEZAWA MFG. WORKS PARTNERSHIP)

Manufacturing weaving and spinning machinery.

Location: Oke-cho, Kyobashi-ku, Tokyo City. *Established*: May, 1889. *Representative*: Isomatsu Yoneta. *Osaka Branch Office*: Tani machi, Higashi-ku, Osaka City.