

Index

権利	Copyrights United Nations University
journal or publication title	The Role of Labour-Intensive Sectors in Japanese Industrialization
page range	216-219
year	1991
URL	http://hdl.handle.net/2344/00050998

Index

- adaptation, of technology, 9–10, 166
advance payment system, 37, 106, 173
Aoyagi Masayoshi, 40, 49
apprenticeship system, 155, 167, 180–83, 186
Araya Kumakichi, 128
Arisawa Hiromi, 13, 14–15, 16
Arita Rimpei, 32, 33
assembly system, of bicycle production, 112, 129, 150–51, 156–58
- ball-bearing production, 140
bicycle industry: development of, 112–16; distribution in the, 123–25; growth of, 30, 116–23, 125–27, 132–36; parts production in the, 125–28, 136–41, 161–62, 176; production process in the, 127–28, 131, 151–53; production technology in the, 115, 127–28, 146–48, 156–62
brush industry: development of the, 58–59; domestic market for products of the, 80–81; mechanization in the, 80, 175; organization of production in the, 58, 60–61, 64, 66, 70, 71–75, 76, 77, 79–81; production process in the, 64–70; production technology in the, 59, 61–64, 80–81, 164, 165, 175; trade associations in the, 78–79, 80
buttons. *See* shell-button industry
- celluloid industry, 84–85, 175
Commercial and Industrial Association of Haberdashery Wholesalers, 78
competition, 77, 168–69, 177, 185, 189
cottage industries, 10, 11, 172
cotton-spinning industry, 11, 167
- Dai Nippon Celluloid Co., 84–85
division of labour, 45, 94, 171
domestic market, 91, 95–96, 167, 174
dual structure, 15, 95, 134–35
- economic growth, Japan's, 3–6
entrepreneurs, 131, 156, 158, 161, 178–79, 188
equipment, provision of to workers, 10, 15, 60, 88
exports, 2, 14, 28, 60, 169; of bicycle bells, 127; of bicycles, 135–36, 140; of brushes, 60–61, 76–77, 78, 84; of knit fabrics, 90–91, 95, 96, 110; of shell-buttons, 35, 37, 47
- factory production systems, 171, 172, 174–77; in the bicycle industry, 128–32, 148–50, 165; in the brush industry, 59, 61–64, 80–81, 164, 165; failures of early, 10, 34, 37, 61–64, 87, 164–66; in the knit-fabric industry, 87, 89, 93, 96, 165; in the shell-button industry, 33–34, 165. *See also* mechanization
family labour, 7, 8, 16, 23, 53, 56, 59, 69, 88, 154, 156, 158, 172, 173, 186
female workers, 10, 23
Fujii Heitaro, 50–51
Fujita Keizo, 12

- Gerschenkron, A., 4
 Goto Yasushi, 17
 government, role of the in industrializa-
 tion, 4-6
 Greater Japan Bicycle Company, 148,
 150, 165, 166
 Greer, H. W., 149, 150, 165
- haberdashery wholesalers, 78
 Hara Akira, 22-23
 Hori Daikichi, 89
- immediate producers: of brushes, 70-71;
 of buttons, 56-57; defined, 9-10, 171,
 184; of knit-fabric goods, 88-89; rela-
 tions with merchants, 168-69, 171
 imports: of bicycle parts, 130, 131; of
 bicycles, 114-15, 121-22, 125, 132; of
 machinery, 34, 86, 121, 129, 146; of
 raw materials, 2, 35, 37, 141-43
 industrial robots, 189
 industrialization, 1-2, 4-5, 91
 Ishikawa Shokai, 129
 Iwai Katsujiro, 84
 Iwai Shoten, 84
- Japan Brush Exporters Association, 78,
 84
 Japan Celluloid and Rayon Company, 84
 Japan Dunlop Rubber Company, 126,
 128, 149
 Japan Shell-Button Manufacturers and
 Merchants Association, 40, 47, 48-49
 Jindo Shoten, 114
- Kagawa Toyohiko, 60
 Kajino Jinnosuke, 113-14, 115, 119, 129
 Kiyonari Tadao, 16
 knit-fabric industry: development of, 86-
 88; growth of, 90-93; market for prod-
 ucts of, 87, 88, 91; organization of
 production in the, 86, 96, 99-100, 103-
 11; production process in the, 89, 94,
 98-103; production technology in the,
 87, 88, 89, 101-2
 Kobayashi Lion, 80, 81
 Kokueki Chain Co., 140
 Komiyama Takuji, 12, 13, 23
- labour-intensive production, efficiency
 of, 173, 184-85, 189
- Lockwood, W. W., 4-6, 190
- machine tools industry, 121, 128, 130, 131
 machinery industry, 28, 30, 112, 158, 161,
 175-77, 187
 machinery, imported, 34, 86, 87, 121,
 129, 146
 Maeda Industrial Co., 140
 Maeda Masana, 11
 Maeda Shikanosuke, 140
 Maito Shokai, 147
 Makita Brothers Co., 140
 managers, role of, 7
 manufacturer-distributors, 34, 40, 49, 88
 manufacturer-wholesalers, 41, 88, 118
 marketing, 118, 129, 132, 147, 176-77
 Maruishi Shokai, 129, 148, 149, 150, 165,
 166
 Marumatsu Ltd., 93
 Marxist economics, 12, 19, 22
 Matsuda Jujiro, 9
 Matsumoto Jutarō, 59, 165
 Matsushita Konosuke, 161, 177, 179
 Matsushita Tsunekichi, 115, 116, 119
 mechanization: in the bicycle industry,
 127-28; in the brush industry, 80, 81;
 in the knit-fabric industry, 87. *See also*
 factory production systems
 merchants: foreign, 35, 47; relations with
 producers, 6-7, 12, 13, 37, 59, 80-81,
 86, 88, 95, 107-11, 156, 161-63, 168-
 69, 171; as wholesaler/capitalists, 49-
 50, 124, 168-69, 171, 174
 metal-processing industry, 28-30, 112,
 142-46, 175, 176, 187
 middle class, the, 7-8, 23, 178
 Mikuni Celluloid Co., 84-85
 military arsenals, and bicycle production,
 119-21
 Mitsui Hachiroemon, 84
 Miyao Tokusaburo (Kumezo), 34, 40
 Miyata Eisuke, 115, 116, 117-18, 119
 Miyata Seisakusho (Miyata Works), 116,
 118, 119, 130, 131, 132, 134, 140, 146-
 49, 182-83
 Morishita Jintan Co., 80, 81
- Nagano Tadami, 40
 Nakamura Gisuke, 36
 Nakamura Hideichiro, 16
 Nakamura Takafusa, 17

- Nawata Hisataro, 34–35, 40, 49
 Nichibeï Shoten, 114, 125, 148
 Nippon Meriyasu Co., 100
 Nishihara Matazaemon, 35, 40
 Nishimura Katsuzo, 87, 88, 89
 Noguchi Kazuo, 136
 Noro Eitaro, 12
- Ohashi Takanori, 17
 Ohashi-Goto formula, 17–22
 Okada Yoshiaki, 34
 Okamoto Matsuzo, 115, 116, 129
 Okamoto Minematsu, 35
 Okura Kihachiro, 117
 Onishi Uhyoe, 40, 54
 Ono Takematsu, 34
 Osaka Association of Producers of Knit Fabrics for Export, 106
 Osaka Association of Toilet Brush Manufacturers, 74, 75
 Osaka Haberdashery Wholesalers Association, 78
 Osaka Knit Blanket Co., 92–93
 Osaka Knit-Fabric and Towel Trade Association, 98, 106
 Osaka Seigyô Kabushiki Kaisha, 59
 Ota Sosuke, 49
 Otsu-ya Co., 118, 123
- power-lending plants, 60, 66–68, 75, 128, 173
 Premier Bicycle Manufacturing Company, 128–29, 149, 150, 165, 166
 process control techniques, 179–80
 production, organization of, 7–8, 13, 23, 54, 56–57, 59, 73–74, 89, 106–7, 188
 putting-out system. *See* subcontracting systems
- raw materials: imports of, 2, 35, 37; provision of to workers, 10, 15, 54, 60, 80
 Rosovsky, H., 4
 Rostow, W.W., 4
 rural industry, 50–53, 55, 57
- Sakaguchi Yoshimatsu, 54
 Sanko Co., 140
 Sasaki Hidetaro, 33
seizo don'ya (manufacturer-wholesalers), 50, 86, 101, 103–11, 169, 171–72, 173.
See also seizoka
- seizoka* (organizing agents), 169, 171–72, 173; in brush industry, 58–61, 64, 66, 70, 71–75, 76, 77, 79–81; in shell-button industry, 45–50, 53, 55. *See also seizo don'ya*
- shell-button industry: development of, 31, 32–35; foreign traders' role in, 37, 47, 49; production process in, 33, 41–45, 54; production technology in, 32–35; raw materials for, 35, 37; scale of, 50–53
- Shimano Industrial Co., 140
 Shimano Shozaburo, 140, 161, 176–77
 Shiseido Co., 80, 81, 84
 silk industry, 2, 9–10
- small and medium-scale industries: analyses of, 11–23; and exports, 14, 28; classification of, 23–30; growth of, 3, 11; role of in industrialization, 14, 16
- small producers: defined, 9; of knit-fabric goods, 96–98; relationship with merchants, 6–7, 12, 13, 37; relationship with *seizo don'ya*, 105–6
- social change, 95, 113–14, 174
 social mobility, 6, 9, 48, 154, 167, 184, 189
- social relationships, in organization of production, 7, 12, 13, 54, 56–57, 59, 73–74, 89, 106–7, 188
- Sorin Shokai Co., 118
- steel industry, 141–46, 167
- subcontracting systems, 12–13, 15, 169–72; in the bicycle industry, 129–30, 148, 156–58, 162; in the brush industry, 66, 68, 69, 81; in the knit-fabric industry, 89, 94, 103; in the shell-button industry, 45, 54, 56–57
- Syogaki Unosuke, 40, 50, 51
- Takahashi Chokichi, 115
 Takahashi Kamekichi, 13–14, 184
 Tanaka Hisashige, 113
 Tani Kamejiro, 53
 technological development, 6, 7, 9, 166, 176, 179, 185, 187–88, 189
- technological innovation: in the bicycle industry, 127–28, 130–31; in the shell-button industry, 32–33, 34–35
- technology transfer, 7, 9–10
- Teikoku Brush Co., 59, 63, 76, 165
- Tokyo Bicycle Trade Association, 116

Tokyo Knit-Fabric Trade Association, 92, 106
Toyo Knitting and Weaving Co., 100
Toyo Spinning Company, 100
trade associations: bicycle industry, 116;
brush industry, 78–79, 80; foreign
trade, 78; knit-fabric industry, 92, 98,
106; shell-button industry, 38–40
traditional technology, 23, 28, 32, 191

Ueda Teijiro, 12
Umemura Mataji, 16
Umezawa Jinzaburo, 119, 131

Ushio Shinzo, 15

wage levels, 61, 72, 185
workers, emergence as independent
businessmen, 9, 40, 48, 51, 100, 106,
124, 131, 152, 153, 154, 169

Yamahatsu Shoten, 93
Yamanaka Tokutaro, 23
Yoshikawa Seisakusho, 131

zaibatsu, role in establishing factories,
177