

The Vegetable Oil Industry of China

(Compiled by the Government Bureau of Economic Information)

II

The peanut and peanut oil industry

Peanuts, or groundnuts, as they are otherwise known, are produced for local consumption in all parts of China wherever the nature of the soil permits. They are grown in quantities in the district stretching from the Yangtze River to the region drained by the Huang Ho, including Shantung province, southern Chihli and Honan. Of these Shantung is by far the largest producer of peanuts.

The area under groundnut cultivation by provinces is:

Province	Area (mow)
Chihli	1,568,119
Fengtien	20,027
Kirin	269,119
Shantung	3,136,287
Honan	395,451
Shansi	112,189
Kiangsu	1,556,267
Anhwei	471,709
Kiangsi	391,163
Fukieu	501,185
Chekiang	140,521
Hupei	1,105,937
Hunan	375,048
Shensi	26,609
Sinkiang	15
Kwangtung	8,659,119
Kwangsi	1,576,238
Kweichow	11,200

According to the customs returns for 1921 exports from China were as follows:—

	1920		1921	
	Quantity	Value Hk. Tls.	Quantity	Value Hk. Tls.
Groundnut cake	301,319 pcls	458,133	208,760 pcls	472,688
Groundnuts, in shells	109,279 "	438,637	409,736 "	1,666,804
Groundnuts, kernels	1,158,848 "	5,610,548	1,149,146 "	5,459,608

With Shantung the principal peanut growing province of China, Tsingtao at the focus of rail and water lines is the center of the industry there.

The Kiaochow-Tsinan Railway transports the produce of 萊蕪縣 Laiwu, 新泰縣 Sintai, 蒙陰 Mengyin, 泰安 Taian, 大汶口 Tawonkow, 泗水 Szeshui, and Tonghsien, for which 濟南 Tsinan is the trade centre. The product of the Yellow River region is partially exported from Chefoo—Tsingtao being the centre and partially exported from Tsingtao, via Tsinan. Producing districts like Poshan, Fongtse, Ankiu Changi, and Pintu transport their crops direct to Tsingtao from the nearest station. In 1918 the Railway transported 20,026 tons of peanuts and 18,872 tons of peanut oil, while in 1919 the figures were 57,072 and 23,285 respectively.

The produce of Ishui, Luchow, and Yichao, south of Tsingtao, is first concentrated at Chingkow and Antungwei, while Haichow is the exporting centre of the Northern Kiangsu crop. A certain quantity also comes from the districts of Tsimo and Pingtu and is concentrated at

Kikiakow. Chinese junks carry all this produce to Tsingtao and serve, in addition, to transport a proportion of the local produce of Kiaochow. The 1919 figures for transportation by junks to Tsingtao are:

Peanuts 13,000 tons
 Peanut Oil 13,800 tons

Twenty years ago very little of the product was shipped abroad but the demand has been steadily increasing since 1908. Eighty percent of the total produce of the province is sent to Tsingtao and most of it eventually goes to Japan.

Exports of shelled and unshelled peanuts and peanut oil from Tsingtao during the year 1921 are given in a recent supplement to the *Weekly Review* as follows:

To	Shelled Nuts	Unshelled Nuts	Oil
Japan	388,312 piculs	66,004 piculs	1,731 piculs
United States	13,726 "	795 "	
Hongkong	6,940 "	661 "	60,172 "
Chinese Ports	800,269 "	21,916 "	251,963 "
Great Britain	3,596 "	5,254 "	110,766 "
Germany	32,054 "	3,075 "	11,822 "
Netherlands	26,304 "	10,544 "	1,695 "
Belgium	10,080 "		
France	10,860 "	17	1,698
Italy	16,800	267	

The peanut and peanut oil industry in Shantung was first started by the Germans who shipped peanuts in the shell to European ports. Due to high freight rates it was found expedient to ship the nuts shelled and later on it was discovered that the oil could be extracted just as well in Shantung as abroad. Consequently a number of oil mills and refineries sprang up, fostered to an increasing degree by Japanese interests until, today, the principal mills are Japanese. With the aid of Chinese buyers they gather the product direct from the producers and are able to compete effectively on American European markets where the Shantung product is frequently sold as of Japanese growth, although groundnuts are not raised in Japan. There are seventeen Japanese oil mills in Tsingtao as follows:

Owner of Mill	Capital	Employees	Annual output
Mitsui Bussan Kaisha	—	120	300,000 tins
Tang Chien	—	50	200,000 "
Feng Tsang Oil Mfg. Co.	\$500,000	50	400,000 "
Hsin Lee	50,000	50	200,000 "
Tai Lee	60,000	30	74,000 "
Ling Mu	100,000	130	400,000 "
Chih Chai	100,000	150	150,000 "
Shing Chang	70,000	20	40,000 "
An Fu	—	50	100,000 "
Meng Mu	—	400	5,000,000 cattles
Tung Ho	1,000,000		
Tsingtao Oil Mfg. Co.	1,000,000	120	2,000,000 "
Nippon Oil Co.	800,000	90	2,000,000 "
Shantung Oil Co.	1,000,000	80	2,000,000 "
Chang Lai	—	30	2,000,000 "
Shantung Chemical Mfg. Co.	150,000	120	100,000 "
Shantung Product Co.	500,000		

Recent efforts of the Shantung merchants have been to sell the oil in quantity and they have been successful. The latest method of shipment has been by ocean tanker effecting practically a direct connection between producer and consumer. The monthly letter issued by the American Commercial Attache in Shanghai contained the following item on September 13, 1922.

The Tsingtau Exchange, Ltd. is erecting three peanut oil storage tanks with a 1500 ton (short) capacity each. Tanks will be completed in October and a 6" pipe line 4,000 feet, connecting the tanks with Pier 2 will be completed two or three months later. They will be steam-heated to a temperature of sixty degrees in winter. In loading ships the oil will be pumped from the main tanks into a small auxiliary tank which can be steam-heated to any desired temperature. After the oil has been sufficiently thinned, it will be pumped into ships through the pipe line. The pipe line will have a loading capacity of about 80 tons per hour.

This equipment will greatly facilitate the handling of peanut oil. At present there are no storage tanks at Tsinan except two or three very small collapsible tanks owned by individual merchants.

The groundnut crop in Shantung showed a decrease in 1921, excessive rainfall resulting in poor harvests. The Native Produce Society of Shantung estimated the total production for the year at 140,000 tons, a serious decline from 160,000 tons in 1920, 160,000 in 1919, 500,000 in 1918 and 200,000 in 1917.

Discussing the market abroad for oil seeds of various descriptions, the Shanghai Trade Report for the October-December, 1921 quarter reported:

As groundnuts in Europe have been allowed to fall extremely low during the previous year, and as the price of Chinese nuts compared favorably with the Indian and African varieties, they were bought in fair quantities by European oil mills in preference to other higher-priced oleaginous seeds. Exports abroad amounted to 500,000 piculs, as compared with 350,000 piculs in 1920, over one-half of which to Continental countries, with France and Germany the heaviest buyers.

Canton is another centre of the peanut industry and, according to a report that appeared in the *Shun Pao* on January 20, 1921, the business involves 200,000 tons a year out of which 6 percent is consumed locally as food, 5 percent in the manufacture of sugar biscuits, 5 percent exported and the remainder used in the manufacture of oil. Canton peanuts ranked first in oil content followed by Honan, Chihli, and Shantung.

The American Commercial Attaché recently published the following information:

Peanut exports Estimated export crop for 1922 from Tientsin:

Peanuts in Shell	9,000 short tons
Peanut Kernels	7,200 " "

Exports to the United States from Tientsin six months ended March 31, 1922:

In Shell	41 short tons
Kernels	470 " "

Safe to estimate that the quantity produced in Tientsin Consular district is fully twice the exports abroad—Vice Consul King, Tientsin.

Shantung Province is the principal peanut producing section with an estimated production of 250,000 tons annually. Probably the total production of China is equal to about 350,000 short tons.

Bean Oil in Manchuria

The annual export from Manchuria of soya beans with their by-products of oil and cakes exceeds 27,000,000 piculs. This is valued at 73,000,000 taels. Harbin and Dalny (Dairen) are the principal centres for this trade, but it is also carried on at Yingkow (Newchwang) (營口即牛莊), Liaoyang (遼陽) Kiayuan (開原) Tiehling (鐵嶺) Changchun (長春). Wahfangtien (瓦房店) Petzewo (柞子窩) Sze-ping-chieh (四平街), and Kungchuling (公主嶺). Report gives the number of oil mills in Harbin as 32, but the register shows only 21. Of these mills the Yue Yuan (裕源) has the largest number of presses, 120, and consumes 6,480 pu of soya beans (one pu=28 catties) in 24 hours. The Fong Tai Yik (豐泰億) Mill has 100 presses, the Hsintai (新泰) and the Heng-shun-ho (恒順和) 84 each, Yik-chang-hsin (義昌信) and Tung-chu hsiang (同聚祥) 80 presses, Yuanfu (元孚) 76 presses, Chengfaho (成發和) 72 presses, Yuta (裕大) and Kungli (公來), each 70 presses. The presses in the other mills are all less than 70 in number.

The Industrial Magazine of June 12, 1922, in a report taken from Japanese sources gave the following figures on soya bean production in China, by provinces.

Province (or Special Administrative Area)	Area Planted in Bean	Total Bean Crop	Bean Crop per mou
Metropolis	913,421 mou	265,895 piculs	0.400 piculs
Chihli	3,725,430	1,778,115	0.477
Fengtien	10,488,507	6,525,144	0.620
Kirin	10,102,273	4,710,049	0.466
Heilungkiang	7,740,133	2,791,004	0.366
Shantung	17,750,642	16,443,059	0.870
Honan	6,453,164	3,871,898	0.600
Shansi	968,181	373,252	0.385
Kiangsu	6,553,123	4,177,937	0.631
Anhwei	2,305,765	1,844,608	0.800
Kiangsi	491,606	1,019,174	2.073
Fukien	609,296	775,522	1.273
Chekiang	886,323	531,733	0.600
Hupei	1,757,271	1,616,689	0.920
Hunan	724,064	1,413,896	1.952
Shensi	416,154	181,026	0.435
Kansu	488,960	207,836	0.429
Sinkiang	12,756	10,630	0.833
Szechwan	334,782	234,347	0.700
Kwangtung	292,043	776,817	2.659
Kwangsi	184,727	232,260	1.246
Yunnan	283,930	381,683	1.340
Kweichow	30,000	1,800	0.600
Jehol	265,425	110,935	0.412
Chahar	131,934	20,098	0.150
Total	73,910,900 mou	50,395,607 piculs	0.849 piculs*

*Average

The following are statistics on bean production and oil mills in China:

Production of Beancakes in Dairen, January-June, 1921.

Name of Firm	Capacity per day	Production	
		Jan.-June, 1921	
Nisshi Oil Mill Kaisha, Ltd.	7,000 pieces	594,000	Pieces.
日清製油株式會社			
San Tai Oil Mill Kaisha	5,000 "	897,000	"
三泰油坊			
Siao Tsen Oil Mill Kaisha	4,200 "	696,000	"
小寺油坊			
Chai Ten Oil Mill Kaisha	4,200 "	520,000	"
齊藤油坊			
Ho Sheng Li Oil Mill	3,300 "	406,000	"
和盛利油坊			
Chen Yu Chang Oil Mill	3,200 "	538,000	"
成裕昌油坊			
Chu Shang Chang Oil Mill	2,800 "	453,000	"
聚盛昌油坊			
Tung Yun Mong Oil Mill	2,700 "	496,000	"
東水茂油坊			
Tien Hsin Foo Oil Mill	2,700 "	468,000	"
天興福油坊			
Foo Yuan Oil Mill	2,600 "	374,000	"
福元油坊			
Chien Chu Ho Oil Mill	2,600 "	396,000	"
乾聚和油坊			
Foo Shun Hou Oil Mill	4,200 "	728,000	"
福順厚油坊			
Sin Shun Hung Oil Mill	2,500 "	460,000	"
新順洪油坊			
Wan Ching Chang Oil Mill	2,400 "	384,000	"
萬慶長油坊			
Feng Chin Oil Mill	2,100 "	351,000	"
豐成油坊			
Shen Yuan Oil Mill	2,000 "	352,000	"
昇源油坊			
Chang Hsin Foo Oil Mill	1,800 "	345,000	"
忠興福油坊			
Tung Chu Hou Oil Mill	1,800 "	297,000	"
同聚厚油坊			
Ho Sun Hsiang Oil Mill	1,600 "	217,000	"
和生祥油坊			
Yu Sheng Tung Oil Mill	1,800 "	316,000	"
裕盛東油坊			
Tung Chu Yun Oil Mill	1,700 "	244,000	"
同聚永油坊			
Yi Shun Sun Oil Mill	1,600 "	326,000	"
義順銜油坊			
Teh Chu Feng Oil Mill	1,600 "	308,000	"
德聚豐油坊			
Cheng Chen Oil Mill	1,500 "	229,000	"
振成油坊			
Chung Sheng Ho Oil Mill	1,500 "	267,000	"
忠盛和油坊			
Shwaung Chu Foo Oil Mill	1,500 "	274,000	"
雙聚福油坊			
Ta Sung Yu Oil Mill	1,500 "	266,000	"
大生壽油坊			
Yu Fong Tai Oil Mill	1,400 "	262,000	"
裕豐泰油坊			
Hong Chang Kong Oil Mill	1,300 "	540,000	"
恆昌公油坊			
Ta Chang Oil Mill	1,300 "	260,000	"
達昌油坊			
Tung Tai Oil Mill	1,200 "	190,000	"
同泰油坊			
Yu Fong Chen Oil Mill	1,200 "	201,000	"
裕豐成油坊			
Tung Chu Chio Oil Mill	1,200 "	239,000	"
同聚洽油坊			
Foo Chu Hong Oil Mill	1,200 "	212,000	"
福聚恆油坊			
Heng Shen Oil Mill	1,200 "	386,000	"
恆昇油坊			
Chen Teh Oil Mill	1,100 "	152,000	"
成德油坊			
Tien Ho Chen Oil Mill	1,000 "	250,000	"
天和成油坊			
Lai Yung Chun Oil Mill	1,000 "	166,000	"
萊永春油坊			
Chen Hsin Li Oil Mill	1,000 "	217,000	"
政興利油坊			
Yu Tai Oil Mill	1,000 "	281,000	"
裕泰油坊			
Yu Chang Ho Oil Mill	1,000 "	241,000	"
玉昌合油坊			
Chin Fong Oil Mill	3,200 "	505,500	"
晉豐油坊			
Chen Kee Oil Mill	2,500 "	414,000	"
政記油坊			

Tung Chu Hsiang Oil Mill	2,500	"	379,000	"
同聚祥油坊				
An Hui Chien Oil Mill	2,100	"	314,000	"
安惠棧油坊				
Sian Siang Yu Oil Mill	2,000	"	348,000	"
享祥裕油坊				
Fu Shun Yi Oil Mill	2,000	"	376,000	"
福順義油坊				
Yu Tseng Ho Oil Mill	1,900	"	289,000	"
裕增合油坊				
San Tai Li Oil Mill	1,500	"	220,000	"
三大利油坊				
Kwan Yung Mong Oil Mill	1,500	"	288,000	"
廣永茂油坊				
Yih Shun Tung Oil Mill	1,400	"	290,000	"
怡順東油坊				
Teh Hsin Chen Oil Mill	1,400	"	178,000	"
德興成油坊				
Chen Hsin Hu Oil Mill	1,400	"	289,000	"
成順和油坊				
Kong Chen Yu Oil Mill	1,100	"	178,000	"
公成玉油坊				
Tai Lai Oil Mill	1,000	"	235,000	"
泰來油坊				
Yi Hsiang Oil Mill	1,000	"	423,000	"
義祥油坊				
Dairen Oil Manufacturing Kaisha, Ltd.	3,000	"	444,000	"
大連製油會社				
Dairen Oil Industry Kaisha, Ltd.	5,000	"	---	"
大連製油脂工業株式會社				

Total: 748,500 Pieces, 17,759,800 Pieces

Oil Presses in Tsingtao

Mitsui Oil Press	(三井油房)
Toyo Oil Press	(東洋製油場)
Yussa Oil Press Co.	(湯淺洋行)
Shantung Oil Press	(山東製油場)

Oil Press in Wusih

Name	Year	Establishment Capital	Daily Oil	Production, Beancakes
Jen Feng 潤豐	1914	\$100,000	66 Piculs	675 Piecd
Chien Feng 儉豐	1914	75,000	55 "	563 "
Hong Feng Tai 恆豐泰	1914	10,000	11 "	112 "
Chen Mou 成茂	1915	75,000	55 "	563 "
San Ho 三和	1915	30,000	22 "	224 "
Jui Yuan 鉅源	1919	36,000	24 "	248 "
Chen Kang 正康	1919	70,000	33 "	333 "
Heng Teh 恆德	1919	500,000	135 "	1,350 "
Yuan Tai 源泰	1920	10,000	11 "	112 "
Yung Feng 永豐	1920	10,000	1 "	100 "

Oil Mills in Hankow

Name	Address
Hanyang Bean Oil Mill	
Hankow Cotton Seed Oil Mill	
Tien Sheng Oil Press Co.	Hsiang River, Hanyang
Fu Ho Oil Press Co.	Hanyang
Yung Chang Oil Press Co.	Hanyang
Shun Feng Oil Press Co.	Hsiang River, Hanyang
Jih Hwa (Sino-Japanese) Oil Press Co.	Hankow
Jardine Matheson & Co., Ltd. (Refinery)	Hankow
L. C. Gillespie & Sons Oil Company	
I Ta Oil Mill (Italian)	
Hwa Chang Oil Mill (British)	
Tung Cheng Oil Mill (French)	
Mitsui Oil Mill (Japanese)	

Bean Oil Mills in Kwantung Territory (Dairen)

Name	Capital	Paid-up Capital	Annual Yield
San Tai	\$ 300,000	\$ 300,000	817,100 cattles Oil 1,481,200 Beancakes
Ho Sheng Li	30,000	30,000	504,980 " "
Fu Yuan	50,000	50,000	1,051,400 " "
Feng Chen	23,000	23,000	359,988 " "
			1,040,400 " "
			245,700 " "
			630,000 " "

Yi Hsiang	40,000	40,000	119,700	"	"
			226,000		
Tien Hsin Fu	20,000	20,000	506,116	"	"
			1,057,000		
Yu Fong Chen	60,000	60,000	212,380	"	"
			427,000		
Hsin Shun Hang	80,000	80,000	430,000	"	"
			945,000		
Fu Shun Yi	50,000	50,000	41,118	"	"
			127,060		
Tung Yung Meng	50,000	50,000	434,280	"	"
			924,000		
Yu Tai	30,000	30,000	294,400	"	"
			592,100		
Chen Teh	10,000	10,000	158,760	"	"
			352,000		
Ta Sun Yu	50,000	50,000	275,400	"	"
			574,000		
Tung Chu Hou	105,000	105,000	438,900	"	"
			678,750		
Chu Chen Hsiang	50,000	50,000	427,500	"	"
			1,050,000		
Yu Chen Tung	80,000	80,000	260,680	"	"
			516,040		
Chung Hsin Fu	25,000	25,000	217,728	"	"
			570,780		
Tung Chu Ho	40,000	40,000	268,000	"	"
			367,000		
Heng Shun	50,000	50,000	131,000	"	"
			407,772		
Kwan Yung Meng	30,000	30,000	262,080	"	"
			538,200		
Yi Sung Tung	20,000	20,000	220,500	"	"
			490,000		
Chong Kee	75,000	75,000	170,280	"	"
			530,190		
Chin Feng	20,000	20,000	538,760	"	"
			1,192,800		
Hon Hsiang Yu	35,000	35,000	331,200	"	"
			700,000		
Yu Tseng Ho	50,000	50,000	251,150	"	"
			651,000		
Chen Shun Ho	30,000	30,000	135,450	"	"
			301,000		
Tai Lai	20,000	20,000	158,676	"	"
			376,650		
Fu Chu Hong	20,000	20,000	140,840	"	"
			181,800		
Yih Shun	40,000	40,000	242,550	"	"
			523,600		
Shang Yuan	100,000	100,000	566,530	"	"
			852,500		
Yu Fong Tai	60,000	60,000	46,400	"	"
			120,400		
Hong Chang Kong	50,000	-50,000	200,480	"	"
			467,600		
Kong Chen Yu	20,000	20,000	126,100	"	"
			231,300		
Shuang Chu Fu	35,000	35,000	281,300	"	"
			301,992		
San Ta Lee	30,000	30,000	172,425	"	"
			471,625		
An Hui Chen	30,000	30,000	38,216	"	"
			85,800		
Teh Hsin Chen	30,000	30,000	101,431	"	"
			348,300		
Tung Chu Hsiang	90,000	90,000	278,586	"	"
			720,720		
Cheng Chen	80,000	80,000	209,286	"	"
			471,724		
Kan Chu Ho	70,000	70,000	273,375	"	"
			697,500		
Cheng Hsin Lee	100,000	100,000	142,700	"	"
			341,600		
Yeh Yung Chung	15,000	15,000	141,400	"	"
			380,000		
Tien Ho Chen	15,000	15,000	228,200	"	"
			555,000		
Fu Shan Hou	100,000	100,000	328,700	"	"
			721,300		
Wan Chin Chang	50,000	50,000	328,700	"	"
			721,300		
Yu Chang Ho	30,000	30,000	174,820	"	"
			384,280		
Chung Sheng Ho	80,000	80,000	282,952	"	"
			412,800		
Ta Chang	50,000	50,000	140,400	"	"
			327,700		
Ho Sung Hsiang	123,000	123,000	229,950	"	"
			511,000		
Chen Yu Chang	150,000	150,000	185,570	"	"
			1,142,950		

Teh Chu Fong	40,000	40,000	168,000	"	"
Fu Shun Hou (Branch)	50,000	50,000	560,000	"	"
Tung Tai	25,000	25,000	45,630	"	"
			145,860	"	"
			158,624	"	"
			433,590		
	\$3,356,000	\$3,356,000			
Kwan Tseng Sheng			14,375	Beancakes	
Jui Hsin Teh	7,350	7,350	67,824	Oil	
Kwan Tseng	110,000	110,000	9,335	"	"
Teh Shun	10,000	10,000	45,115	"	"
Fu Hsin	100,000	100,000	65,840	"	"
Yih Hsin	100,000	100,000	376,500	"	"
Sing Tseng	24,000	24,000	14,440	"	"
Kong Hsin Fu	140,000	140,000	72,355	"	"
Tien Tseng Fu	50,000	50,000	78,880	"	"
Hong Chu Fu	200,000	200,000	347,518	"	"
King Tai Fu	110,000	110,000	83,000	"	"
Hsin Tai Fu	110,000	110,000	440,000	"	"
Yih Chang Kong	150,000	150,000			
Chin Yuan	300,000	300,000			
Teh Hsin Tung	120,000	120,000			
Tung Teh Chen	200,000	200,000			
Kong Chih Cheng	80,000	80,000			
Shun Sheng Yung	130,000	130,000			
Sing Shun Tung	120,000	120,000			
Pao Sung	110,000	110,000			
Yung Hsin Yu	20,000	20,000			
Teh Yuan	110,000	110,000			
Cheng Hsin	100,000	100,000			
Tung Hsin Chang	100,000	100,000			
Yih Chang Chien	100,000	100,000			
Yung Chin Fong	25,000	25,000			
Hung Shun	25,000	25,000			
Teh Tai	30,000	30,000	34,000	"	"
Fu Shun	20,000	20,000	170,000	"	"
Yun Chih Hsiang	15,000	15,000	55,960	"	"
Hung Tai Chang	30,000	30,000	223,840	"	"
Sing Shun	20,000	20,000	46,000	"	"
Shi Lung Yi	20,000	20,000	223,000	"	"
			62,530	"	"
			274,850	"	"
			29,300	"	"
			144,640	"	"
			29,300	"	"
			146,500	"	"
	\$3,319,700	\$3,319,700			
Kwang Sun Oil Mill, Ltd.	150,000	Tls. Nantungchow			
Ta Yue Oil Mill, Ltd.	100,000	Kiangsu Shanghai	7/1902	7/1905	
Kan Feng Oil Mill, Ltd.	300,000	Haichow Kiangsu	2/1906	8/1906	
Yu Sin Oil Mill, Ltd.	200,000	Fowyanghsien Anhwei	11/1906	11/1906	
Tsing Hua Industrial Oil Mill, Ltd.	20,000	Tsinghuschen Honan	1/1907	5/1907	
Yung Feng Oil Mill, Ltd.	10,000	Tientsin Chowkiakow	5/1907	5/1907	
Chi Sia Oil Mill, Ltd.	100,000	Honan	10/1907	8/1907	
Mien Pa Oil Mill, Ltd.	600,000	Swatow	1909	1911	
Chang Fa Oil Mill Ltd.	400,000	Swatow	1911	1911	
Ta Yuan Oil Mill, Ltd.	100,000	Chinkiang Kiangsu	1913	3/1914	
Chien Hen Oil Mill, Ltd.	70,000	Heishanhsien Fengtien	5/1915	9/1915	
Hen Ching Oil Mill, Ltd.	55,000	Ninganhsien Kirin	1/1916	6/1916	
Hen Yu Oil Mill, Ltd.	100,000	Shanghai	9/1915	7/1916	
Sin Chang Oil Mill, Ltd.	130,000	Shanghai	6/1915	10/1916	
Tai Peng Model Oil Mill,	300,000	Taian Shantung	4/1919	10/1919	
Kwang Sun Oil Mill, Ltd.	150,000	Nantungchow	7/1902	7/1905	
Ta Yue Oil Mill, Ltd.	100,000	Shanghai	5/1905	8/1905	

Kan Feng Oil Mill, Ltd.	300,000	Haichow Kiangsu	2/1906	8/1906
Yu Sin Oil Mill, Ltd.	200,000	Fowyanghsien	11/1906	11/1906
Tsing Hua Industrial Oil Mills, Ltd.	25,000	Tsinghuachen Honan	1/1906	5/1907
Yung Fong Oil Mill, Ltd.	100,000	Chowkiakow	10/1907	8/1907
Chi Sin Oil Mill, Ltd.	100,000	Chowkiakow	10/1907	8/1907
Mien Fa Oil Mill, Ltd.	600,000	Swatow	1909	1911
Chang Fa Oil Mill, Ltd.	400,000	Swatow	1911	1911
Ta Yuan Oil Mill, Ltd.	100,000	Chikiang Kiangsu	1913	3/1914
Chien Mon Oil Mill, Ltd.	70,000	Heishanhsien Fengtien	5/1915	9/1915
Hen Yu Oil Mill, Ltd.	100,000	Shanghai Ninganhsien	9/1915	7/1916
Hen Ching Oil Mill, Ltd.	55 000	Kirin	1/1916	6/1916
Sin Chang Oil Mill, Ltd.	130,000	Shanghai Taian	6/1915	10/1919
Tai Feng Model Oil Mill Ltd.	300,000	Shantung	4/1919	10/1919