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DEPARTMENT OF TRADE AND COMMERCE
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CENSUS OF INDUSTRY

THE
FRUIT & VEGETABLE PACKING INDUSTRY
in
CANADA
1927

- INCLUDING:-
1. Fruits and Vegetables, Canned
 2. Fruits and Vegetables, Dried or Evaporated
 3. Fruits, Preserved
 4. Vinegar, Pickles, Sauces and Relishes

Published by Authority of the Hon. James Malcolm, M.P.,
Minister of Trade and Commerce

OTTAWA

1929

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DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
CENSUS OF INDUSTRY
OTTAWA - CANADA

Dominion Statistician: R. H. Coats, B.A., F.S.S.(Hon.), F.R.S.C.
Chief, Census of Industry: J. C. Macpherson

Ottawa, February, 1929 - The annual report on the Fruit and Vegetable Packing and Allied Industries in Canada for the calendar year 1927 is herewith presented. The report is divided into four separate sections as follows:-

1. Fruits and Vegetables, Canned.
2. Fruits and Vegetables, dried or evaporated.
3. Fruits, preserved.
4. Vinegar, Cider, Pickles, Sauces and Relishes.

A summary of the operating plants in each section with their location by provinces is given in the table following for the calendar year 1927.

Provinces	Fruits and Vegetables Canned	Fruits & Vegetables, dried or evaporated	Fruits Preserved	Vinegar, Cider, Pickles Sauces and Relishes	Total
Canada	130	36	46	60	272
Nova Scotia	6	9	2	3	20
New Brunswick	5	-	1	1	7
Quebec	17	-	10	6	33
Ontario	86	26	22	38	172 ✓
Manitoba	1	-	1	5	7
Saskatchewan	-	-	1	-	1
Alberta	-	-	1	2	3 ✓
British Columbia	15	1	8	5	29

Comparing the number of plants reporting in 1926 with 1927, there appears a decrease of 6 in the number of factories canning fruits and vegetables, an increase of 2 in the number of evaporating factories, and of 5 in the number of factories making vinegar, pickles, sauces, etc., and of 1 in the number of jam factories, thus leaving the same number of plants in the entire industry as in 1926. By provinces, decreases appear as follows:- Ontario 6 and British Columbia 5, whilst Nova Scotia increased by 10 and Manitoba by 1.

A table showing the quantity and values of commodities in the fruit and vegetable canning and kindred industries is herewith presented for the calendar year 1927.

Collective Summary of Products in the Fruit and Vegetable Packing and other industries, 1927.

	Unit	Quantity	Value
			\$
Fruits, canned			
Apples	case	108,080	285,463
Cherries	"	39,361	190,517
Peaches	"	77,671	315,495
Pears	"	145,193	476,764
Plums	"	42,274	107,663
Raspberries	"	56,347	294,603
Strawberries	"	50,138	269,687
All other fruits	"	78,258	316,009
Vegetables, canned			
Beans, green or wax	"	131,205	387,897
Beans, baked	"	1,051,345	3,133,600
Corn	"	593,353	1,477,444
Peas	"	984,079	2,460,859
Tomatoes	"	1,562,682	3,789,909
All other vegetables	"	134,830	385,154
Fruits, preserved			
Jams	pound	40,557,812	4,980,735
Jellies	"	2,219,667	279,065
Marmalades	"	6,439,546	739,136
Syrups and fruit juices	gal.	-	2,294,615
Fruits, glace	pound	878,134	272,177
All other preserved fruits	.	-	425,247
Fruits, dried or evaporated			
Apples	pound	3,030,712	317,587
Apple chop and waste	"	1,102,553	32,371
Vinegar, Pickles, Sauces, etc.			
Vinegar	gallon	4,416,122	1,429,782
Pickles, all kinds	"	1,272,745	1,927,172
Catsup, sauces and relishes	"	1,524,696	2,504,130
Cider	"	533,292	243,225
Miscellaneous products			
Canned soups	case	304,509	1,014,086
Canned macaroni	"	72,227	224,708
Canned chicken	"	6,917	75,653
Apple butter	pound	77,761	8,178
Peanut butter	"	3,333,873	592,292
Candied peel	"	1,263,877	246,070
Mincemeat	"	2,652,536	285,499
Powders, ice-cream, jelly, etc.	"	-	1,326,339
Mustard, prepared	gallon	288,383	285,030
Horseradish	pound	108,950	25,116
Sauerkraut	"	2,846,119	107,758
Salad dressing	gallon	30,238	99,589
Almond paste	pound	99,700	49,225
Fruit butter	"	310,410	32,258
Sugar butter	"	650,411	70,521
Tomato pulp, puree, etc.	-	-	94,176
Olives	gallon	201,226	575,941

COMPARISON OF PRINCIPAL STATISTICS, 1926 AND 1927.

Table 1 presents a summary of the principal statistics of the four sections comprising the fruit and vegetable packing industry for the calendar years 1926 and 1927.

Increases appear in the number of salaried employees, wage-earners and piece-workers and in the amounts paid to each class of workers, except wage-earners, and in the value of products. Decreases will be seen in the amount of capital invested, the cost of fuel and materials, wages paid and total horsepower capacity.

Table 1.- Principal Statistics Compared 1926 and 1927.

Principal Statistics		1927	1926	Increase (+) Decrease (-)
Establishments reporting	No.	272	272	-
Capital invested -				
Fixed	\$	16,508,620	16,777,172	- 268,552
Working	\$	17,403,612	17,176,341	+ 227,271
Average capital per establishment	\$	124,677	124,829	- 152
Salaried employees -				
Male	No.	510	458	+ 52
Females	No.	186	175	+ 11
Total salaries paid	\$	1,079,431	988,810	+ 90,621
Average salary per employee	\$	1,550.90	1,562.10	- 11.20
Wage earners, average number -				
Males	No.	2,759	2,371	+ 388
Females	No.	4,334	2,539	+ 1,795
Total wages paid	\$	2,968,957	2,983,041	- 14,084
Outside piece-workers -				
Males	No.	54	-	+ 54
Females	No.	437	39	+ 398
Total payments	\$	11,764	3,392	+ 8,372
Average payment per worker	\$	23.95	86.98	- 63.03
Cost of fuel used	\$	355,708	381,995	- 26,287
Power installed -				
Units	No.	1,212	1,210	+ 2
Capacity	H.P.	13,692	13,990	- 298
Total cost of materials used -	\$	17,212,599	17,214,877	- 2,278
Average cost per factory	\$	63,282	63,290	- 8
Total value of products made -	\$	30,334,022	30,234,632	+ 99,390
Average production value per factory	\$	111,522	111,157	+ 365
Total net value of production -	\$	13,121,423	13,019,755	+ 101,668
Average net value per factory	\$	48,240	47,867	+ 373

SECTION I. FRUITS AND VEGETABLES CANNED.

The number of plants engaged in the canning of fruits and vegetables during 1927 was 130 being a decrease compared with 1926 of 6 individual plants. Of the total, 86 were located in the province of Ontario, 17 in Quebec, 15 in British Columbia, 5 in New Brunswick, 6 in Nova Scotia and 1 in Manitoba. The statistics of this single concern are combined with those of British Columbia to avoid divulging statistics of individual concerns.

PRODUCTION

The quantity and selling value at the factory of the various products of the canning industry are presented in table 2 for Canada and the provinces. The total value of all products in 1927 was \$14,332,914, a decrease from the preceding year of \$1,901,046. The province of Ontario leads in value of production with \$9,418,678 or nearly 66 per cent of the total for the Dominion. British Columbia is second with \$3,243,809 or 22.6 per cent and Quebec third with \$1,365,893 or nearly 9.5 per cent. Tomatoes, corn, peas and beans baked are the largest individual items in the canned vegetable group, aggregating in value \$9,191,148 in a total of \$9,963,449. In canned fruit production pears, apples, peaches and raspberries made up \$1,370,015 in a total of \$2,253,696. Preserved fruit in this section totalled \$1,142,256 and other miscellaneous products \$973,513. The greatest diversity in canned products is to be found in Ontario and British Columbia where with favoured climatic conditions the growing of fruits and vegetables is carried on in greatest variety and abundant yield.

Table 2. Fruit and Vegetable Canning by Provinces, 1927.

	Unit	Canada		Maritime Provinces	
		Quantity	Selling Value \$	Quantity	Selling Value \$
Canned Fruits -					
Apples	Cases	108,080	285,463	17,974	46,995
Cherries	"	39,331	190,397	219	753
Peaches	"	77,611	315,285	-	-
Pears	"	144,493	474,664	491	1,330
Plums	"	42,249	107,588	272	815
Raspberries	"	56,347	294,603	1,630	8,150
Strawberries	"	50,138	269,687	10,913	59,640
Other small fruits	"	41,241	167,151	4,028	18,742
All other fruits	"	37,017	148,858	16	91
Canned Vegetables-					
Beans, green or wax	"	131,205	387,897	2,753	8,401
Beans, baked	"	570,381	1,491,536	16,100	51,603
Corn	"	593,353	1,477,444	-	-
Peas	"	984,079	2,460,859	1,250	2,688
Tomatoes	"	1,550,682	3,761,309	-	-
All other vegetables	"	134,530	384,404	-	-
Preserved Fruits -					
Jams	Lb.	8,004,160	969,057	323,580	34,595
Jellies	"	194,705	23,384	13,784	1,765
Marmalades	"	793,968	79,130	130,320	12,250
Preserved or crushed fruits	Gallon	6,500	15,300	-	-
Syrups, fountain, etc.	"	9,640	12,714	-	-
Glaces and other preserved fruits	-	-	42,671	-	365
Miscellaneous products -					
Catsup and relishes	Gallon	225,652	233,564	-	-
Canned soups	Cases	137,345	515,732	-	-
Canned chicken	"	6,917	75,653	-	-
Evaporated apples	Lb.	116,425	11,642	116,425	11,642
Apple chop and waste	"	44,901	898	44,901	898
Mincemeat	"	10,416	1,700	10,416	1,700
Sauerkraut	"	230,000	7,525	-	-
Vinegar	Gallon	67,500	13,500	67,500	13,500
Lider	"	48,000	7,500	40,000	6,000
All other products	-	-	105,699	-	-
Total Value		-	14,332,914	-	281,923

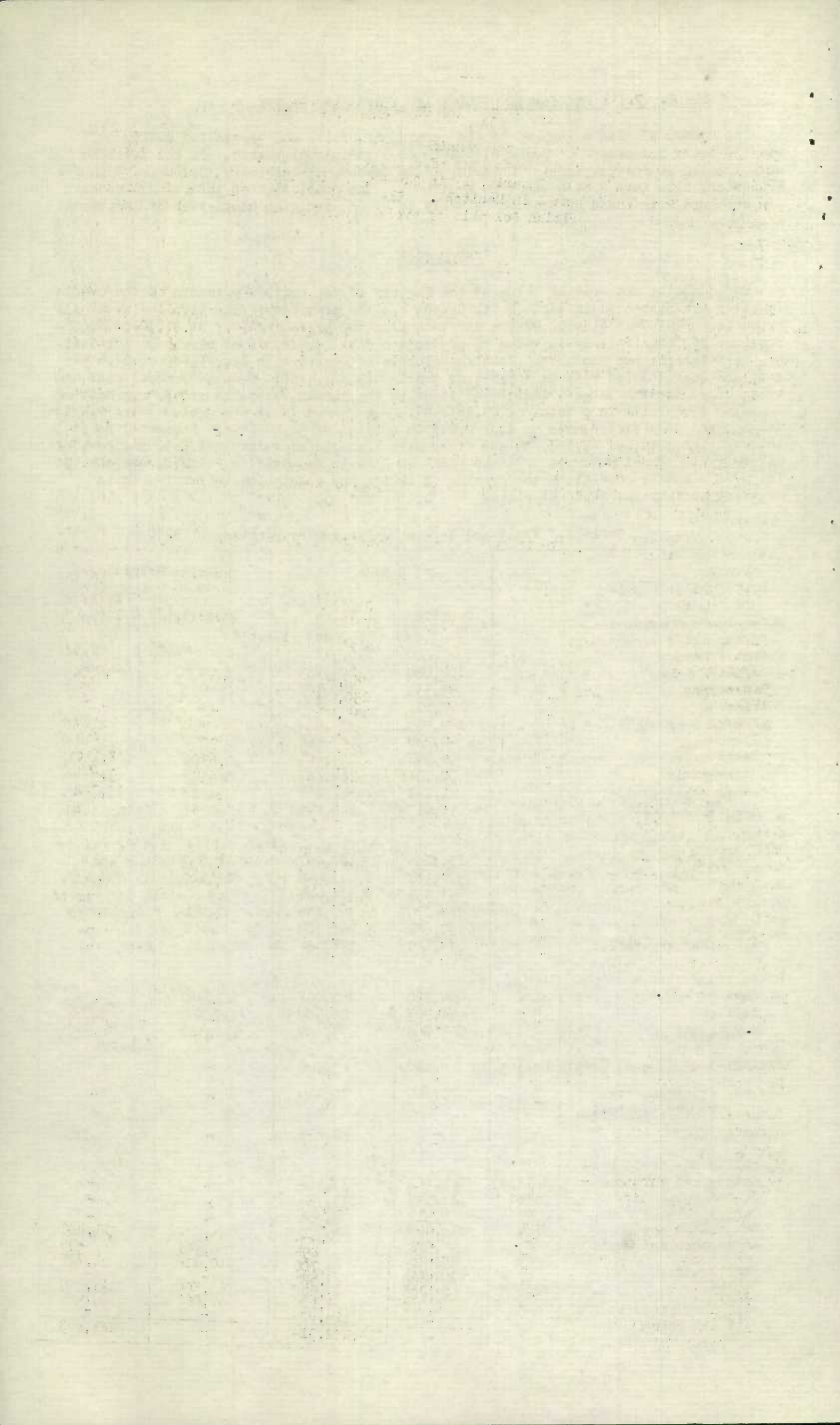


Table 2. Fruit and Vegetable Canning by Provinces, 1927 (Contd)

		Quebec		Ontario		British Columbia and Manitoba	
		Quantity	Selling Value	Quantity	Selling Value	Quantity	Selling Value
			\$		\$		\$
Canned Fruits -							
Apples	Cases	-	-	60,116	155,479	29,990	82,989
Cherries	"	-	-	32,973	159,255	6,139	30,389
Peaches	"	500	2,000	65,618	261,905	11,493	51,380
Pears	"	300	1,200	123,351	369,822	20,351	102,312
Plums	"	-	-	30,958	70,669	11,019	36,104
Raspberries	"	-	-	27,368	144,688	27,349	141,765
Strawberries	"	-	-	16,034	104,401	23,191	105,646
Other small fruits	"	9,886	34,759	2,088	8,406	25,239	105,244
All other fruits	"	-	-	20,502	81,669	16,499	67,098
Canned Vegetables -							
Beans, green or wax	"	22,459	69,234	57,390	188,098	48,603	122,164
Beans, baked	"	388,294	891,000	111,052	349,951	54,935	198,982
Corn	"	54,380	134,433	533,286	1,321,118	5,687	21,893
Peas	"	52,000	106,000	834,303	2,067,500	96,526	284,671
Tomatoes	"	51,683	125,767	1,143,995	2,737,840	355,004	897,702
All other vegetables	"	-	-	97,256	282,973	37,274	101,431
Preserved Fruits -							
Jams	Lb.	-	-	2,082,356	225,967	5,598,224	708,495
Jellies	"	-	-	100,000	12,360	80,921	9,259
Marmalades	"	-	-	-	-	663,648	66,880
Syrups, fountain	Gal.	-	-	1,940	1,164	7,700	11,550
Glacés and other fruits	"	-	-	-	-	-	42,306
Preserved or crushed fruits	Gal.	-	-	-	-	6,500	15,300
Miscellaneous products-							
Catsup and relishes	Gal.	-	-	185,626	173,638	40,026	59,926
Canned soups	Cases	400	1,500	136,945	514,232	-	-
Canned chicken	"	-	-	6,917	75,653	-	-
Sauerkraut	Lb.	-	-	0,000	7,525	-	-
Cider	Gal.	-	-	-	-	8,000	1,600
All other products	"	-	-	-	104,365	-	1,334
Total	-	-	1,365,893	-	9,418,678	-	3,266,420

CAPITAL INVESTED

The amount of capital invested in the fruit and vegetable canning section in the calendar year 1927 is shown by classes and provinces in table 3. The total capital investment in the Dominion in 1927 was \$20,819,307 made up of fixed capital (land, buildings, machinery and tools) totalling \$10,361,677 and working capital (materials and stocks on hand, cash, trading and operating accounts, etc.) which totalled \$10,457,630. The province of Ontario leads in capital invested with \$16,386,240 in a total investment for the Dominion of \$20,819,307 equivalent to nearly 79 per cent. British Columbia is next with nearly 14.6 per cent and Quebec third with 4 per cent. Fixed capital represented 49.8 per cent and working capital 50.2 per cent of the total investment.

Table 3. Capital Invested by Classes and Provinces, 1927.

Provinces	Fixed Capital		Working Capital	Total Capital
	Land, buildings, machinery and tools	Materials & stocks on hand, etc.	Cash, trading, operating accounts, etc.	
	\$	\$	\$	\$
CANADA	10,361,677	9,497,753	959,877	20,819,307
New Brunswick	144,773	110,693	13,617	269,083
Nova Scotia	207,080	55,796	23,276	286,152
Quebec	420,122	303,277	116,870	840,269
Ontario	8,304,758	7,727,307	354,175	16,386,240
British Columbia and Manitoba	1,284,944	1,300,680	451,939	3,037,563

EMPLOYMENT STATISTICS

Statistics of employment during 1927 are presented in a series of tables as outlined below:-

- Table 4. Employees classified by number, sex and remuneration
 Table 5. Wage-earners employed by number, months and sex
 Table 6. Working time of plants and employees.

Employees, Salaries and Wages.- The number of persons employed on salaries and on wages are shown by sex and remuneration during 1927 for the provinces and the Dominion in Table 4. The number of employees on wages in this seasonal industry is obtained by the addition of the averages of monthly employment in each plant. The total number so obtained was for the Dominion, 1,589 males and 3,056 females, instead of 1,380 and 1,632 females found by dividing the aggregate monthly employment by 12. The total number of employment during the year was 5,017 and the total payment for salaries, wages, etc. was \$1,946,949.

Table 4. Employees, Salaries and Wages, 1927.

Classes of Employees		Canada	Nova Scotia	New Brunswick	Quebec	Ontario	British Columbia and Manitoba
Employees on salaries -							
Males	No.	215	3	4	22	134	52
Females	No.	77	1	1	-	52	23
Total salaries	\$	414,458	3,340	9,120	24,339	275,449	102,210
Wage-earners -							
Male, average	No.	1,589	46	27	221	1,059	236
Female, average	No.	3,056	144	116	296	1,873	627
Total wages	\$	1,528,144	30,785	19,694	88,382	925,254	464,029
Outside piece-workers-							
Male	No.	-	-	-	-	-	-
Female	No.	80	-	-	-	80	-
Amount paid	\$	4,347	-	-	-	4,347	-
Totals							
Male employees	No.	1,804	49	31	243	1,193	288
Female "	No.	3,213	145	117	296	2,005	650
Salaries, wages, etc.	\$	1,946,949	34,125	28,814	112,721	1,205,050	566,239

Wage-earners Employed by Months.- The number of wage earning employees are shown in Table 5 by sex and by provinces for each month of the year. In this section of the industry the months of highest employment were from July to November, whilst those of lowest employment were December to June, indicating the seasonal nature of the industry which attains its height in September. The average of plants for the whole year was 1589 males and 3056 females, whilst the average for the months of highest employment was 2343 males and 3353 females. During the rest of the year employment is engaged in packing, shipping, etc.

Table 5.- Employment by Months, 1927.

Months	Canada		Nova Scotia		New Brunswick		Quebec		Ontario		British Columbia and Manitoba	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
January	503	250	9	2	-	-	60	15	367	198	67	35
February	464	151	9	2	-	-	59	17	325	93	71	39
March	540	223	9	2	-	-	60	17	369	129	102	75
April	653	197	9	2	4	-	71	18	466	130	103	47
May	825	419	9	2	4	6	85	16	611	240	116	155
June	1,035	902	15	2	7	7	92	18	718	426	203	449
July	2,579	2,670	29	41	21	300	138	84	2,021	1,385	370	860
August	1,994	3,131	31	41	36	298	222	260	1,272	1,451	433	1,081
September	2,884	4,674	58	95	32	74	265	380	2,056	3,145	473	980
October	2,914	4,443	62	129	13	14	194	219	2,273	3,313	372	768
November	1,343	1,845	80	153	12	5	81	59	927	1,294	243	334
December	830	673	72	128	11	5	61	28	535	429	151	83
Total monthly employment	16,564	19,578	392	599	140	709	1,388	1,131	11,940	12,233	2,704	4,906
Average of monthly employment of plants	1,589	3,056	46	144	27	116	221	296	1,059	1,873	236	627

THE FRUIT AND VEGETABLE CANNING INDUSTRY IN CANADA, 1927.

Working time of plants and employees.- The operating time of plants engaged in the fruit and vegetable canning section and the hours of labour worked by employees are shown in Table 6 by totals and averages per plant. Compared with 1926 the average of full time operation decreased by 7.19 days, part-time operations increased by 25.46 days per plant or a total of 18.27 days idle less than the preceding year. Hours of labour on the other hand show slight decreases compared with 1926, being .10 in the average daily working hours and of .80 in the hours worked per week.

Table 6. Working Time of Plants and Employees in the Fruit and Vegetable Canning Industry, 1927.

Number of Plants Reporting	130	
	Totals	Averages per plant
Operating time of plants -		
Days worked on full time	12,243	94.18
Days worked on part time	11,831	91.01
Days idle	15,446	118.81
Hours of labour per employee -		
Per day or shift	1,241	9.55
Per week	7,309	56.22

Other Employment Statistics - Cont'd.

The number and percentage of wage-earners in months of highest employment working specified hours per day is shown in Table 6(a) for Canada and the provinces. For the Dominion, the number working specified hours was distributed between the classes, the percentage working 10 hours being highest. In Ontario over 68 per cent of the employees worked 10 hours per day, in Quebec 95.16 per cent worked 10 hours, whilst in Manitoba and British Columbia 39.68 per cent worked 10 hours, and 39.21 per cent worked 8 hours or less. Less than one per cent of the wage-earners in the Dominion worked over 10 hours per day.

Table 6(a).- Hours worked by wage-earners in month of highest employment, 1927.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	No. 1,812	No. 1,129	No. 6,323	No. 1,005	17.65	10.99	61.57	9.79
Nova Scotia	-	198	68	-	-	74.44	25.56	-
New Brunswick	12	333	30	-	3.20	88.80	8.00	-
Quebec	23	10	649	-	3.37	1.47	95.16	-
Ontario	1,028	399	4,818	791	14.61	5.67	68.48	11.24
Br. Columbia & Manitoba	749	189	758	214	39.21	9.90	39.69	11.20

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table 6(b). It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 9.59, whilst the average standard weekly hours worked out at 56.22 per plant.

Table 6(b).- Hours of Labour per Day and per Week, 1927.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total	Average
	No.	No.	No.	No.	No.
CANADA	98,439	10,269	9.59	7,309	56.22
Nova Scotia	2,462	266	9.26	332	55.34
New Brunswick	3,393	375	9.05	271	54.20
Quebec	6,764	682	9.92	993	58.41
Ontario	68,300	7,036	9.71	4,908	57.07
Br. Columbia & Manitoba	17,520	1,910	9.17	805	50.31

THE FRUIT AND VEGETABLE CANNING INDUSTRY IN CANADA, 1927.

FUEL CONSUMPTION

The quantity and cost value delivered at the factory of the classes of fuel used in the canning industry during 1927 is shown in Table 7. Compared with the preceding year the total cost of fuel fell from \$185,603 in 1926 to \$156,988 in 1927, a decrease of \$28,615 or over 18 per cent. Bituminous coal was the principal fuel used and represented 80 per cent of the total cost of all fuels. Fuel oil was the next principal fuel on cost basis followed in order by anthracite coal and wood.

Table 7.- Fuel Consumption in the Fruit and Vegetable Canning Section, 1927.

Classes of Fuel	Unit of measure	Quantity	Cost value delivered at factory or works \$
Bituminous Coal	ton	19,684	130,183
Anthracite	ton	429	4,893
Coke	ton	48	649
Gasoline	gal.	1,961	532
Oil (fuel)	"	140,100	6,012
Wood	cord	849	4,814
Gas, artificial and natural	M.C.ft.	2,093	1,569
All other fuel, not specified	-	-	8,336
Total cost of fuel	-	-	156,988

POWER INSTALLATION

The power installed in the canning section of the industry in 1927 is shown by classes and by horse power according to manufacturer's rating. Primary power installed fell from 6,269 h.p. in 1926 to 5,728 h.p. in 1927. Electric motors operated by purchased power increased from 3,090 h.p. in 1926 to 3,136 h.p. in 1927, whilst the cost of electricity purchased during the year totalled \$41,568.

Table 8.- Power Installation in the Fruit and Vegetable Canning Section, 1927.

Classes of power	Number of Units	Horse power according to manufacturer's rating
Steam engines and turbines	136	5,167
Oil, gas and gasoline engines	34	561
Total primary power	170	5,728 1/
Electric motors operated by purchased power	356	3,136 1/
Electric motors operated by owned power	46	400
Total electric motors	402	3,536
Total power used in manufacturing 1/	526	8,864
Boiler installation	191	16,762

MATERIALS USED

The quantity and cost value at the factory or works of the materials used during the year including containers are shown in Table 9. The total cost of materials fell from \$9,383,098 in 1926 to \$8,375,780 or a decrease of more than 10.7 per cent. Of the total cost of materials in 1927 the item of containers represented almost 50 per cent.

Table 9.- Materials Used in the Fruit and Vegetable Canning Section, 1927.

	Units of measure	Quantity	Cost value at the factory or works
Fruits for canning, preserving, etc.	pounds	37,366,979	1,064,181
Vegetables for canning, etc.	"	192,226,914	2,123,346
Sugar	"	10,025,901	606,768
Salt	"	1,245,649	15,032
Pectin	"	232,847	29,080
Glucose	"	141,953	5,993
Spices, all kinds	"	11,358	4,605
Vinegar	gallon	33,943	6,647
Containers, labels, etc.	-	-	4,137,114
All other materials not specified	-	-	383,014
Total cost of materials	-	-	8,375,780

IMPORTS AND EXPORTS

The imports and exports of canned fruits and vegetables for the calendar year 1927 are shown by quantity and value as well as by principal countries in Table 10. The total value of imports increased from \$3,180,323 in 1926 to \$3,697,235 in 1927, whilst exports also increased from \$1,158,108 in 1926 to \$1,360,802 in 1927. Of the imports 67.5 per cent of canned fruits and 58 per cent of canned vegetables came from the United States. On the other hand the United Kingdom took over 86.5 per cent of canned fruits and 91 per cent of canned vegetables exported during the calendar year 1927. The United States took approximately 7 per cent of canned fruits exported, while the exports of canned vegetables rose \$925 in 1926 to over \$2,000 in 1927.

Table 10.- Imports and Exports of Canned Fruits and Vegetables by Countries, 1927.

Articles		Imports		Exports	
		Quantity	Value	Quantity	Value
Peaches in cans or other air tight packages	lb.	6,558,944	\$ 497,001	-	-
United States	"	6,444,337	487,565	-	-
Other countries	"	114,607	9,436	-	-
Pineapples in cans or other air tight packages	"	13,620,748	1,001,287	-	-
United Kingdom	"	57,741	4,128	-	-
United States	"	4,287,168	388,467	-	-
British South Africa	"	1,370,515	108,019	-	-
Straits Settlements	"	5,957,421	324,078	-	-
Hawaii	"	1,866,696	169,570	-	-
Other countries	"	81,207	7,025	-	-
Fruits in cans or other air tight packages, n.o.p.	"	5,901,485	668,047	5,412,887	419,149
United Kingdom	"	20,270	2,634	4,769,919	362,537
United States	"	4,826,528	559,748	195,384	15,157
Australia	"	45,613	5,992	-	-
France	"	93,272	12,966	-	-
Netherlands	"	459,783	52,428	-	-
New Zealand	"	-	-	278,292	25,022
Spain	"	349,992	17,949	-	-
Other countries	"	106,027	16,326	169,292	16,433
Pears in cans or other air tight packages	"	880,369	84,396	-	-
United States	"	880,309	84,389	-	-
Other countries	"	60	7	-	-
Total canned fruits	"	26,961,546	2,250,727	5,412,887	419,149

Table 10.- Imports and Exports of Canned Fruits and Vegetables
by Countries, 1927 - (Con.)

Articles		Imports		Exports	
		Quantity	Value	Quantity	Value
Beans, baked in cans, etc.	lb.	1,216,148	\$ 73,382	11,214,547	\$ 814,423
United Kingdom	"	18	2	10,986,168	802,061
United States	"	1,216,130	73,380	514	60
Newfoundland	"	-	-	157,144	7,318
Other countries	"	-	-	70,721	4,984
Corn in cans, etc.	"	2,542,764	151,231	-	-
United States	"	2,542,764	151,231	-	-
Peas in cans, etc.	"	4,381,497	337,390	-	-
United Kingdom	"	7,904	671	-	-
United States	"	1,762,768	135,440	-	-
Belgium	"	2,066,722	148,559	-	-
Other countries	"	544,103	52,720	-	-
Tomatoes in cans, etc.	"	1,495,518	101,978	246,630	14,925
United Kingdom	"	240	30	92,055	5,162
United States	"	371,958	18,165	28,280	1,869
Italy	"	1,062,826	79,275	-	-
Other countries	"	60,494	4,508	126,295	7,894
Vegetables n.o.p. in cans, etc.	"	5,507,994	552,755	1,298,856	112,305
United Kingdom	"	15,855	1,966	634,129	53,344
United States	"	2,956,942	231,558	700	120
Belgium	"	468,163	32,782	-	-
British South Africa	"	-	-	193,873	16,733
France	"	856,106	133,104	-	-
Hong Kong	"	341,000	34,499	-	-
Italy	"	24	20,574	-	-
Japan	"	16,880	52,536	-	-
Netherlands	"	45,309	4,892	-	-
New Zealand	"	-	-	228,265	20,170
Spain	"	366,833	35,757	-	-
Other countries	"	51,566	5,087	241,889	21,938
Asparagus in cans, etc.	"	1,654,777	229,772	-	-
United States	"	1,649,231	227,533	-	-
Other countries	"	5,546	2,239	-	-
Total canned vegetables	"	16,798,698	1,446,508	12,760,033	941,653
Grand Total		43,760,244	3,697,235	18,172,920	1,360,802

SECTION II. FRUITS AND VEGETABLES, EVAPORATED

This section of the industry deals with the evaporation and dehydration of fruits and vegetables in Canada and the provinces, the principal statistics of which are compared in the subjoined table for the calendar years 1925, 1926 and 1927.

Principal Statistics of Evaporating Plants, 1925-1927.

Principal Statistics		1925	1926	1927
Establishments reporting	No.	57	34	36
Capital invested	\$	494,622	485,917	392,312
Employees on salaries - male	No.	8	14	12
" " " - female	No.	1	1	-
Salaries	\$	8,836	6,966	11,400
Employees on wages, average for season -				
Males	No.	477	249	224
Females	No.	671	375	301
Wages paid	\$	152,890	79,748	94,576
Fuel used, cost value	\$	69,292	24,830	27,889
Power installed - Units	No.	51	43	41
Capacity	H.P.	281	310	336
Cost of materials	\$	272,198	115,218	132,910
Gross value of products	\$	606,469	270,389	309,959
Value added by manufacture	\$	334,271	155,171	177,049

PRODUCTION STATISTICS, 1927.

Statistics of production in the 36 plants reporting in 1927 of which 26 were in Ontario, 9 in Nova Scotia and 1 in British Columbia are presented in Table 1, by provinces. The total value of products rose from \$270,389 in 1926 to \$309,959 in 1927 or an increase in production of \$39,570 or 14 per cent. Ontario produced 45.7 per cent of the total value of output. Nova Scotia 40.5 per cent and British Columbia 13.8 per cent. In addition to the production of dried and evaporated apples reported by evaporating plants there was a further production in canning plants of \$11,642 and in vinegar, pickles, etc. plants of \$43,689, making a total output for dried and evaporated apples of 3,030,712 lbs. at a valuation of \$317,587. (See table on p.2).

Table 1. Production by Provinces, 1927.

Classes of Products		Canada		Nova Scotia		Ontario & B.C.	
		Quantity	Selling Value	Quantity	Selling Value	Quantity	Selling Value
Evaporated apples	Lb.	2,463,061	262,256	1,159,830	102,068	1,303,231	160,188
Apple chop and waste	"	1,057,652	31,473	286,818	7,962	770,834	23,511
Cider	Gal.	50,000	9,000	50,000	9,000	-	-
Vinegar	"	26,000	6,500	26,000	6,500	-	-
All other products	"	-	730	-	-	-	730
Total selling value		-	309,959	-	125,530	-	184,429

CAPITAL INVESTMENT

The amount of capital invested in the evaporating section of the industry in 1927 is shown by provinces in Table 2. Fixed capital in the 36 plants reporting which includes land, buildings, machinery and tools decreased from \$363,099 in 1926 to \$306,861 in 1927, or a decrease of nearly 15.5 per cent. Working capital which includes materials on hand, stocks in process of manufacture, finished products, cash trading and operating accounts, etc., decreased from \$122,818 to \$85,451 or about 30 per cent. The province of Ontario provided 43.5 per cent of the total investment, Nova Scotia 34.8 per cent and British Columbia 21.7 per cent.

Table 2. Capital Investment by Provinces, 1927.

Provinces	Fixed Capital	Working Capital		Total
	Land, buildings machinery and tools	Materials on hand, stocks in process, etc.	Cash trading and operating accounts, etc.	Capital
CANADA	\$306,861	\$61,692	\$23,759	\$392,312
Nova Scotia	106,428	21,713	8,438	136,579
Ontario	131,820	28,359	10,536	170,715
British Columbia	68,613	11,620	4,785	85,018

EMPLOYMENT STATISTICS

Statistics of employment in the evaporated fruit and vegetable section for the calendar year 1927 are shown by provinces in the following series of tables:-

Table 3. Employees by number, sex and remuneration.

Table 4. Employment by months according to sex.

Table 5. Working time of plants and employees

Table 3. The number of persons employed during 1927 is shown in the table by sex and the payment of salaries and wages. The number of salaried persons decreased by three over 1926 but the payment for salaries increased by \$4,434. In the wage-earning class of employees the number engaged in 1927 decreased from that of the preceding year by 39 but the amount paid for wages increased by \$14,828. Males employed on wages totalled 224 in 1927, a decrease of 25 from 1926, whilst female employment fell from 375 in 1926 to 361 in 1927, or a decrease of 14 in number.

Table 3.- Employees by Number, Sex and Remuneration, 1927.

Classes of Employees	Number of Employees		Salaries and Wages \$
	Males	Females	
Salaried employees	12	-	11,400
Wage-earning employees	224	361	94,576
Totals	236	361	105,976

In Table 4 the statistics of employment by months are given which indicate the seasonal character of the industry. The month of highest employment was that of November when a total of 618 individuals were entered on the pay roll. During the first eight months of the year employment is furnished to packers, shippers, etc., whilst manufacturing operations occupy the other four. The average number of employees in all plants operating during the year was 224 males and 361 females or a total employment of 585.

Table 4.- Employment by Months, 1927.

Months	Male	Female	Months	Male	Female
January	39	35	July	15	10
February	21	7	August	17	1
March	34	34	September	92	93
April	8	1	October	231	324
May	9	1	November	265	353
June	12	1	December	221	235
			Totals	964	1,095
Average employment of operating plants				224	361

Operating time.- The number of days on which plants were in operation during 1927 together with the number of hours normally worked by wage-earners is shown in Table 5. Again the seasonal character of the industry is indicated by the operating time which averaged 57.70 days on full and part time, whilst the average time of idleness in plants was 246.30 days. Compared with 1926, operating time in plants increased by an average of over 10.46 days for each plant, whilst the working time of employees shows little variation.

Table 5.- Operating time of plants and employees, 1927

Number of Establishments in operation	36	
	Totals	Averages per plant
Days in operation on full time	1,891	52.53
Days in operation on part time	186	5.17
Days idle	8,867	246.30
Hours worked by wage-earners per day or shift	344	9.55
Hours worked by wage-earners per week	2,033	56.47

THE FRUIT AND VEGETABLE EVAPORATING INDUSTRY IN CANADA, 1927.

Other Employment Statistics - Cont'd.

The number and percentage of wage-earners in months of highest employment working specified hours per day is shown in Table 5(a) for Canada and the provinces. For the Dominion, the number working specified hours was distributed between the classes, the percentage working 10 hours being highest. In Nova Scotia over 78 per cent of the employees worked 10 hours per day, in Ontario 50.80 per cent worked 10 hours, whilst in British Columbia 57.83 per cent worked 8 hours. Less than one per cent of the wage-earners in the Dominion worked over 10 hours per day.

Table 5(a).- Hours worked by wage-earners in month of highest employment, 1927.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	No. 68	No. 252	No. 397	No. 5	9.42	34.90	54.99	.69
Nova Scotia	-	58	207	-	-	21.89	78.11	-
Ontario	20	163	190	1	5.35	43.58	50.80	.27
British Columbia	48	31	-	4	57.83	37.35	-	4.82

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table 5(b). It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 9.47, whilst the average standard weekly hours worked out at 56.47 per plant.

Table 5(b).- Hours of labour per day and per week, 1927.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total	Average
CANADA	No. 6,835	No. 722	No. 9.47	No. 2,033	No. 56.47
Nova Scotia	2,592	265	9.78	523	58.11
Ontario	3,538	374	9.46	1,456	56.00
British Columbia	705	83	8.49	54	54.00

FUEL CONSUMPTION

The quantity and cost value delivered at the works of the fuel consumed by the industry during the calendar year 1927 is presented in Table 6. The total cost of fuel increased from \$24,830 in 1926 to \$27,889 in 1927. Coke again was the principal fuel used and represented 50.4 per cent of the total cost.

Table 6.- Fuel Consumed by Classes, 1927.

Kind of Fuel		Quantity	Cost value delivered at works \$
Bituminous Coal	ton	357	2,376
Anthracite "	"	664	8,427
Lignite "	"	-	-
Coke	"	1,537	14,062
Gasoline	gal.	1,422	395
Wood	cords	181	1,223
Gas, artificial and natural	M.C.ft.	29	18
All other fuel, unspecified	-	-	1,388
Total cost of fuel	-	-	27,889

POWER INSTALLATION

Power installed in the evaporating section of the industry during the calendar year 1927 is shown in Table 7 by (a) classes of power (b) number of units in each class and (c) the horse power capacity according to manufacturer's rating. The increase in horse power installed over the previous year was 26 of which all was accounted for by the increase in electric motors. The cost of electricity purchased in 1926 was \$2,856, an increase over 1926 of \$1,420.

Table 7.- Power Installation, 1927.

Classes of power	Number of Units	Horse power capacity
Steam engines and turbines	2	68
Oil, gas and gasoline engines	15	91
Hydraulic turbines or water wheels	1	15
Total primary power	18	174
Electric motors operated by purchased power	23	162
Total power installation for manufacturing purposes	41	336

MATERIALS USED

The quantity and cost value of the principal materials used in this section of the industry is given by provinces in Table 8. The quantity of apples used in 1927 was 2,150,018 pounds more than in 1926, while the cost value was \$19,628 more. The cost of containers likewise decreased from \$17,995 in 1926 to \$17,783 in 1927. Other unspecified materials also decreased during the period by \$1,724.

Table 8.- Materials Used by Provinces, 1927.

Principal materials	Canada		Ontario		Other Provinces ^{1/}	
	Quantity	Cost Value	Quantity	Cost Value	Quantity	Cost Value
	Pounds	\$	Pounds	\$	Pounds	\$
Apples	26,458,047	111,502	10,302,233	50,305	16,155,814	61,197
Containers, labels, etc.	-	17,783	-	8,284	-	9,499
All other materials	-	3,625	-	1,093	-	2,532
Total cost	-	132,910	-	59,682	-	73,228

1/ Nova Scotia and British Columbia.

IMPORTS AND EXPORTS

Table 9 gives the quantity and value of dried and evaporated fruits and vegetables imported and exported during the calendar year 1927 by principal countries. Whilst the value of imports decreased by \$152,149 the value of exports had also decreased from \$270,091 in 1926 to \$155,799 in 1927, or over 42 per cent. Nearly 93 per cent of the value of imports came from the United States, while exports of Canadian produce had a total value of \$10,767. Imports from the United Kingdom totalled \$5,686 and exports \$8,655.

Table 9.- Imports and Exports of Dried and Evaporated Fruit and Vegetables by Countries. 1927.

		Imports		Exports	
			\$		\$
Apples, dried	Lb.	970,424	25,320	1,423,726	144,897
United Kingdom	"	-	-	80,775	8,655
United States	"	970,424	25,320	-	-
Germany	"	-	-	787,585	82,270
Netherlands	"	-	-	380,280	36,885
Other Countries	"	-	-	175,086	17,087
Apricots, dried	"	805,120	127,365	-	-
United Kingdom	"	8,816	2,267	-	-
United States	"	776,840	121,833	-	-
Other Countries	"	19,464	3,265	-	-
Peaches, dried	"	1,498,305	141,774	-	-
United States	"	1,498,525	141,721	-	-
Other Countries 1/	"	280	53	-	-
All other dried fruits	"	515,744	88,534	61,100	10,763
United Kingdom	"	40,946	3,368	-	-
United States	"	373,463	68,822	60,750	10,707
Hong Kong	"	68,492	12,982	-	-
Other Countries	"	32,843	3,362	350	56
Potatoes dried, desiccated, etc.	"	-	5,786	-	-
United Kingdom	"	-	51	-	-
United States	"	-	3,502	-	-
Other Countries	"	-	2,233	-	-
Vegetables dried	"	-	-	416	139
United States	"	-	-	200	60
Other Countries	"	-	-	216	79
Total		-	368,779	-	155,799

1/ Exclusive of currents, dates, figs, prunes and raisins.

SECTION III.- FRUITS PRESERVED, JAMS, JELLIES, ETC.

Establishments whose principal products are preserved fruits, jams, jellies, etc. are dealt with in this section. The number of such plants reporting operations during the calendar year 1927 was 26, an increase of 1 plant over the previous year. According to location, 22 were situated in Ontario, 8 in British Columbia, 10 in Quebec, 2 in Nova Scotia and 1 in each of the provinces of Manitoba, Saskatchewan, Alberta and New Brunswick.

PRODUCTION

The quantity and selling value at the factory of the various products of the industry are shown in Table 1 of the section. The total value of production rose from \$6,726,249 in 1926 to \$6,980,198 in 1927, an increase of \$253,949 or nearly 3.8 per cent. The increase in the number of plants above referred to accounts for the rise in production. Ontario's production represented nearly 60 per cent of the total, Quebec's was 24 per cent and British Columbia's 16 per cent.

Table 1. Products of the Preserved Fruits, etc. Section by Provinces, 1927.

Products		Canada		Ontario		British Columbia		Quebec		Other Provinces 1/	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Jams	Lb.	31,987,640	3,934,215	21,599,812	2,454,740	5,404,823	725,190	4,933,005	747,885	50,000	6,400
Jellies	"	2,014,602	254,127	1,052,022	126,596	680,000	101,300	273,283	25,137	9,297	1,094
Marmalades	"	5,474,034	639,436	4,106,342	463,006	973,416	118,612	171,554	26,717	222,722	31,101
Preserved fruits and juices	Gal.	125,877	345,399	88,642	252,200	-	-	37,235	93,199	-	-
Syrups, fountain, etc.	"	370,743	298,328	40,613	97,113	-	-	330,130	201,215	-	-
Catsup and relishes	"	525,838	491,417	378,188	369,942	4,000	2,600	143,650	118,875	-	-
Pickles, all kinds	"	257,030	202,970	5,080	8,160	35,000	50,000	216,950	144,810	-	-
Mince meat	Lb.	1,316,778	131,405	1,208,278	116,505	100,000	14,000	5,000	550	3,500	350
Glucose fruits	"	818,134	257,177	323,628	107,875	23,072	10,100	471,434	139,202	-	-
Candied Peel	"	1,235,391	240,373	309,294	61,859	296,650	55,735	629,447	122,779	-	-
Powders, jelly, etc.	"	207,911	23,762	167,911	17,762	-	-	-	-	40,000	6,000
All other products 2/	-	-	161,589	-	91,924	-	20,610	-	47,555	-	1,500
Total Value		-	6,980,198	-	4,167,682	-	1,098,147	-	1,667,924	-	46,445

1/ New Brunswick, Nova Scotia, Alberta and Saskatchewan.

2/ Includes, Canned fruits and vegetables, Canned soups, Peanut butter, Prepared mustard, Salad dressing, Vinegar, etc.

CAPITAL INVESTMENT

Fixed capital including land, buildings, machinery and tools increased by \$14,161 but working capital, including materials and stocks on hand and in process of manufacture, etc., decreased by \$280,107 leaving a net decrease in capital investment in 1927 of \$265,946. Compared by provinces, Ontario supplied 63.6 per cent of the total capital investment, Quebec 26.3 per cent, British Columbia 9.2 per cent and the Prairie Provinces .9 per cent.

Table 2.- Capital Invested in the Preserved Fruit Section, 1927.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, etc. machinery and tools	Materials on hand, stocks in process, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
CANADA	2,595,177	1,978,904	1,021,930	5,596,011
Ontario	1,746,806	1,155,129	657,272	3,559,207
British Columbia	149,216	248,570	119,215	517,001
Quebec	670,503	561,358	240,334	1,472,195
Other provinces 1/	28,652	13,847	5,109	47,608

1/ New Brunswick, Nova Scotia, Alberta, Saskatchewan and Manitoba.

EMPLOYMENT STATISTICS

Statistics relating to the various phases of employment are presented in the following series of tables:-

Table 3. Employees by numbers, sex and remuneration, 1927

Table 4. Employment by months, 1927

Table 5. Working time of plants and employees, 1927.

Employees by number, sex and remuneration during the calendar year 1927 are dealt with in Table 3. The number of employees on wages is the sum of averages of individual plants for the months they were in operation plus the number of salaried employees as reported under that heading on the annual schedule. The total number employed rose from 515 males and 582 females in 1926 to 536 males and 898 females in 1927. Salaries and wages remained almost stationary at \$381,667 in 1926 and \$881,567 in 1927.

Table 3. Employees by Number, Sex and Remuneration by Provinces, 1927.

Classes of Employment		Canada	Ontario	Quebec	British Columbia	Other 1/ Provinces
Employees on salaries -						
Male	No.	140	82	35	20	3
Female	No.	64	36	25	2	1
Total salaries	\$	352,102	239,660	73,569	36,223	2,650
Employees on wages -						
Male	No.	342	185	82	67	8
Female	No.	477	242	159	67	9
Total wages	\$	522,048	288,867	143,396	82,709	7,076
Outside piece workers -						
Male	No.	54	54	-	-	-
Female	No.	357	357	-	-	-
Total paid	\$	7,417	7,417	-	-	-
Total employees -						
Male	No.	536	321	117	87	11
Female	No.	898	635	184	69	10
Total salaries and wages, etc.	\$	881,567	535,944	216,965	118,932	9,726

1/ The increase in number at employment is accounted for by the large number of outside piece workers employed in the province of Ontario.

EMPLOYMENT STATISTICS - Cont'd.

Employment by Months:- The number of persons employed in each month of the year is given in Table 4 for the Dominion. The month of highest employment was July with a total enrolment of 1,114, whilst that of lowest employment was April with an enrolment of 545. The average number employed per individual establishment exclusive of outside piece workers was 819. The average employment as stated in Table 4, is not the average found by dividing by 12 but the sum of the individual averages per plant according to the months in operation.

Table 4.- Employment by Months, with Averages per Plant, 1927, for the Dominion.

Months	Males	Females	Months	Males	Females
January	271	351	July	383	731
February	283	414	August	393	499
March	274	347	September	397	552
April	243	302	October	367	496
May	259	339	November	348	488
June	299	468	December	309	408
Totals by Months				3,826	5,395
Average employment by individual plants				342	477

Working time of plants and employees.- The operating time in plants is shown according to (a) full time (b) part time and (c) days plants were idle in Table 5. Compared with 1926 there was an increase of 11.64 days in the average operating time of plants but a decrease of .93 in the average hours worked per week. The daily hours of labour show a variation being less than two-fifths of an hour per day.

Table 5. Working time of plants and employees, 1927.

Number of plants reporting	46	
	Totals	Averages
Days in operation -		
On full time	10,731	233.28
On part time	1,006	21.87
Days idle	2,247	48.85
Hours worked by employees -		
Per day or shift, total	13,052	9.20
Per week	2,259	49.11

Other Employment Statistics.

The number and percentage of wage-earners in months of highest employment working specified hours per day is shown in Table 5(a) for Canada and the provinces. For the Dominion, the number working specified hours was distributed between the classes, the percentage working 10 hours being highest. In Ontario over 36 per cent of the employees worked 8 hours per day, in Quebec 92.87 per cent worked 10 hours whilst in British Columbia 64.92 per cent worked 8 hours. Only about 4 per cent of the wage-earners in the Dominion worked over 10 hours per day.

Table 5(a).- Hours worked by wage-earners in month of highest employment, 1927.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	No. 416	No. 363	No. 583	No. 57	p.c. 29.32	p.c. 25.58	p.c. 41.08	p.c. 4.02
Ontario	270	331	95	51	36.14	44.31	12.72	6.83
Quebec	13	14	430	6	2.81	3.03	92.87	1.29
British Columbia	124	15	52	-	64.92	7.85	27.23	-
Other provinces 1/	9	3	6	-	50.00	16.67	33.33	-

1/ Includes Nova Scotia, New Brunswick, Manitoba, Saskatchewan and Alberta.

Other Employment Statistics - Cont'd.

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table 5(b). It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 9.18, whilst the average standard weekly hours worked out at 49.11 per plant.

Table 5(b).- Hours of labour per day and per week, 1927.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total	Average
CANADA	No. 13,024	No. 1,419	No. 9.18	No. 2,259	No. 49.11
Ontario	6,625	747	8.87	1,056	48.00
Quebec	4,593	463	9.92	516	51.60
British Columbia	1,647	191	8.62	383	47.88
Other provinces	159	18	8.83	304	50.67

FUEL CONSUMPTION

The quantity and the cost value delivered at the works of the various classes of fuel used in the Dominion during 1927 is shown by classes in Table 6. The total cost fell from \$68,262 in 1926 to \$67,317 in the year covered by this report, or a little more than 1.4 per cent. Coal was the principal fuel and represented 83 per cent of the total cost for the year.

Table 6. Fuel consumed by classes, 1927.

Classes of Fuel	Unit of Measure	Quantity	Cost value at the factory
Bituminous coal	ton	7,980	\$ 54,579
Anthracite "	ton	237	1,659
Coke	ton	80	564
Gasoline	gal.	3,464	778
Wood	cord	1,200	5,600
Gas, artificial and natural	n.c.ft.	3,814	3,887
All other fuel	-	-	250
Total cost of fuel	-	-	67,317

POWER INSTALLATION

Power installation in this section of the industry is presented in Table 7 by (a) classes of power, (b) the number of units in each class and (c) the horse power according to manufacturer's rating. The cost of electricity purchased in 1927 was \$11,710.

Table 7. Power Installed by Classes, 1927.

Classes of Power	Number of units	H.P. according to manufacturer's rating
Steam engines and turbines	13	426
Oil, gas and gasoline engines	1	20
Total primary power	14	446
Electric motors operated by purchased power	117	757
Electric motors operated by power owned	2	180
Total electric motors	119	937
Total power used for manufacturing purposes	131	1,203

MATERIALS USED

The quantity and cost value at the factory of the principal materials used in this section during 1927 are given in Table 8. Sugar was the largest individual item of materials with a total of 26,893,294 pounds worth \$1,607,665, fruits being second with a total of 18,337,552 pounds worth \$1,242,405. The third largest item in point of cost was that of containers, etc. to the value of \$988,270. The total cost of all materials was \$4,595,096 which represented an increase when compared with 1926 of \$56,796.

Table 8. Materials used by quantity and cost value, 1927.

Kinds of Materials	Unit of measure	Quantity	Cost Value \$
Fruits for preserving, etc.	pound	18,337,552	1,242,405
Vegetables for canning, etc.	"	7,782,592	121,509
Sugar	"	26,893,294	1,607,665
Salt	"	536,045	4,404
Pectin	"	1,317,433	139,655
Glucose	"	5,981,880	206,749
Spices, all kinds	"	27,263	6,620
Vinegar	gal.	97,492	24,990
Alcohol	prf. "	1,171	3,465
Containers, labels, caps, etc. (value only)	-	-	988,270
All other materials (value only)	-	-	249,364
Total cost of materials	-	-	4,595,096

IMPORTS AND EXPORTS

Table 9 shows the imports for consumption of jams, jellies and preserved fruits for the calendar year 1927 by principal countries. The value of imports increased from \$329,250 in 1926 to \$338,304 in 1927. Nearly 55 per cent of the total came from the United Kingdom, nearly 21 per cent from France, 6.1 per cent from the United States and 18.4 per cent from other countries. Exports of jams, jellies and preserves being the total product of Canada, amounted to \$17,046 in 1927.

Table 9. Imports, Jams, Jellies and Preserved Fruit, 1927.

		Imports		Exports	
		Quantity	Value	Quantity	Value
Jams, jellies and preserves, n.o.p.	Lb.	2,278,239	338,304	156,974	17,046
United Kingdom	"	1,461,558	180,094	520	55
United States	"	109,386	20,653	28,176	3,940
France	"	345,447	69,380	-	-
Other countries	"	361,848	62,172	128,273	13,051

SECTION IV.- VINEGAR, CIDER, PICKLES, SAUCES AND RELISHES

The number of establishments engaged in the manufacture of vinegar, cider, pickles, sauces and relishes during 1927 was 60 distributed by provinces as follows:- Ontario 38, Quebec 6, British Columbia 5, Manitoba 5, Nova Scotia 3, Alberta 2 and New Brunswick 1.

PRINCIPAL STATISTICS

A summary of the principal statistics of the industry in 1927 is presented in Table 1 for the provinces and the Dominion. Under other provinces are included Nova Scotia, New Brunswick and Alberta to prevent disclosure of statistics of individual establishments.

Table 1. Principal Statistics by Provinces, 1927.

		Canada	Ontario	Quebec	British Columbia	Manitoba	Other Provinces
Establishments	No.	60	38	6	5	5	6
Capital invested	\$	7,104,602	6,076,648	323,121	112,967	344,282	247,584
Employees on salaries-							
Male	No.	143	109	10	2	13	9
Female	No.	45	33	1	1	4	6
Total Salaries	\$	301,471	203,808	26,000	5,720	40,512	25,431
Employees on wages -							
Male	No.	604	499	30	14	20	41
Female	No.	440	357	2	13	48	20
Total Wages	\$	824,189	685,894	35,787	16,981	51,164	34,363
Power installed -							
Units	No.	466	428	6	10	11	11
Capacity	H.P.	2,709	2,477	17	37	99	79
Cost of fuel	\$	103,514	91,872	1,098	1,221	3,471	5,852
Cost of materials	\$	4,108,813	3,454,104	151,869	81,753	281,569	139,518
Gross value of products	\$	8,710,951	7,560,227	297,643	130,608	446,671	275,802
Net Value of products	\$	4,602,138	4,106,123	145,774	48,855	165,102	136,284

CAPITAL INVESTMENT

The amount of capital invested in the vinegar and pickle section is shown under two heads for the Dominion and the provinces in Table 3. Fixed capital including land, buildings, machinery and tools amounted to \$3,244,905, whilst working capital including materials and stocks on hand, fuel and finished products on hand, and cash trading and operating accounts amounted to \$3,859,697, making a total investment of \$7,104,602, an increase since 1926 of 21.4 per cent. The province of Ontario alone furnished 85.5 per cent of the total investment during 1927.

Table 3.- Capital Invested by Provinces, 1927.

Provinces	Fixed Capital	Working Capital		Total Capital
	Land, buildings, etc.	Materials on hand, etc.	Cash, trading and operating accounts, etc.	
	\$	\$	\$	\$
CANADA	3,244,905	3,230,535	629,162	7,104,602
Ontario	2,656,331	2,921,161	499,136	6,076,648
Quebec	229,818	43,338	49,965	323,121
Manitoba	210,503	102,019	31,760	344,282
British Columbia	44,846	56,321	11,800	112,967
Other Provinces	103,407	107,676	36,501	247,584

EMPLOYMENT STATISTICS

Statistics of employment in this section of the industry during 1927 are shown in the following series of tables:-

Table 4. Employees by numbers, sex and remuneration.

Table 5. Employment by months according to sex.

Table 6. Working time of plants and employees.

Employees by numbers, sex and remuneration.- Table 4 shows by classes of employees, the number, sex and the amounts paid in salaries and wages for the calendar year 1927 by provinces. The number of wage-earners is the sum of the averages of individual plants according to months in operation. Compared with 1926 the number of male employees increased by 140, females by 107 and the amount paid for salaries and wages, etc., by \$230,522. Over 81 per cent of the number employed and 79 per cent of the payments for salaries and wages is accounted for by the province of Ontario with Manitoba in second place with 6.6 and 8 per cent respectively.

Table 4.- Employees by Number, Sex and Remuneration by Provinces, 1927.

Classes of employees		Canada	Ontario	Quebec	Manitoba	British Columbia	Other Provinces
Salaried employees -							
Males	No.	143	109	10	13	2	9
Females	No.	45	33	1	4	1	6
Total Salaries	\$	301,471	203,808	26,000	40,512	5,720	25,431
Wage-earners -							
Males	No.	604	499	30	20	14	41
Females	No.	440	357	2	48	13	20
Total Wages	\$	824,129	685,894	35,737	51,164	16,981	34,363
Total employees -							
Males	No.	747	608	40	33	16	50
Females	No.	485	390	3	52	14	26
Total Salaries, Wages, etc.	\$	1,125,660	889,702	61,787	91,676	22,701	59,794

STATISTICS OF PRODUCTION

The quantity and the selling value at the factory of the various products of the industry will be found in Table 2, by provinces. The total value of products increased from 1926 by \$1,706,917, the amount for 1927 being \$8,710,951. Ontario furnished 86.8 per cent of the total value of production, Manitoba 5.1 per cent, Quebec 3.4 per cent, British Columbia 1.5 per cent and "other provinces" 3.2 per cent. The leading item of production in 1927 was catsups, sauces and relishes with a selling value of \$1,767,062 followed in order by pickles with a value of \$1,677,189, baked beans with \$1,642,064 and vinegar with \$1,401,782.

Table 2. Production by Provinces, 1927.

Principal products	Units of Measure	Canada		Ontario		Quebec		Manitoba		British Columbia		Other Provinces	
		Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
			\$		\$		\$		\$		\$		\$
Catsup, sauces, etc.	Gallon	765,826	1,767,062	762,851	1,764,035	975	1,177	2,000	1,850	-	-	-	-
Canned soups	Cases	167,164	498,354	167,164	498,354	-	-	-	-	-	-	-	-
Baked beans	Cases	480,964	1,642,064	480,964	1,642,064	-	-	-	-	-	-	-	-
Vinegar	Gallon	4,299,622	1,401,782	2,252,836	786,361	958,555	274,391	639,500	193,489	12,200	2,740	436,531	144,801
Pickles all kinds	"	973,315	1,677,189	779,409	1,354,922	7,000	4,000	107,300	193,645	44,240	62,359	35,366	62,263
Prepared mustard	"	79,582	152,701	68,219	141,116	10,963	11,345	400	240	-	-	-	-
Fruit juices, etc. 2/	Gallon	522,645	496,318	493,300	467,783	-	-	5,000	11,960	16,235	9,881	8,110	6,694
Sauerkraut	Lb.	2,616,119	100,233	2,521,119	97,153	-	-	62,000	1,860	25,000	900	8,000	320
Cider	Gallon	266,451	65,904	186,319	40,901	-	-	-	-	16,866	7,340	63,266	17,663
Salad dressing	"	24,238	78,689	24,145	78,317	-	-	-	-	-	-	93	372
All other products 1/	-	-	830,655	-	689,221	-	6,730	-	43,627	-	47,388	-	43,689
TOTAL	-	-	8,710,951	-	7,560,227	-	297,643	-	446,671	-	130,608	-	275,802

1/ Includes canned macaroni, mincemeatm jams, etc., evaporated apples, apple butter, peanut butter and other miscellaneous products.

2/ Includes fruit pectin.

EMPLOYMENT STATISTICS

Employment by months.- The number of wage-earners employed during the year is shown by sex for the Dominion in Table 5. The months of maximum employment were August to December, the peak being reached in September with a total enrolment of 1,586, whilst the months of minimum employment were January to June with the lowest point in February with a total enrolment of 661. The average number of wage-earners for the year being 1,044.

Table 5.- Wage-earners employed by months, 1927.

Months	Males	Females	Months	Males	Females
January	382	283	July	581	382
February	401	260	August	589	407
March	391	326	September	981	605
April	431	332	October	963	513
May	456	319	November	592	436
June	472	320	December	527	405
Total employees by months			6,766		4,588
Average employment per plants by months of operation			604		440

Working time of plants and employees.- The operating time of plants for the Dominion is shown in Table 6 according to full time and part time operations and by the number of days the plants were idle. Hours of labour of employees are shown by the day and the week.

Table 6(a). Working Time of Plants and Employees, 1927.

Number of plants reporting	60	
	Totals	Average per plant
Days in operation of plant -		
On full time	11,363	189.39
On part time	981	16.35
Idle	5,896	98.26
Hours worked by employees - (No. 1504)		
Per day or shift	490	8.16
Per week	2,773	46.22

Other Employment Statistics

The number and percentage of wage-earners in months of highest employment working specified hours per day is shown in Table 5(b) for Canada and the provinces. For the Dominion, the number working specified hours was distributed between the classes, the percentage working 10 hours being highest. In Ontario less than 20 per cent of the employees worked 8 hours per day, in Quebec 13.51 per cent worked 8 hours, whilst in Manitoba 100 per cent worked 8 hours. In the 9 hour day the province of Quebec was highest with 67.59 per cent, whilst British Columbia is next with 36.84 per cent. The 10 hour day was highest in the "Other Provinces" group, being 44.44 per cent, with Ontario next with 27.09 per cent.

Table 5(b).- Hours worked by wage-earners in month of highest employment, 1927.

Provinces	Wage-earners in month of highest employment working per day of				Percentage of wage-earners working per day of			
	8 hours or less	9 hours	10 hours	Over 10 hours	8 hours or less	9 hours	10 hours	Over 10 hours
CANADA	No. 479	No. 186	No. 459	No. 667	p.c. 26.75	p.c. 10.38	p.c. 25.63	p.c. 37.24
Ontario	301	141	412	667	19.80	9.27	27.09	43.84
Quebec	5	25	7	-	13.51	67.59	18.90	-
Manitoba	105	-	-	-	100.00	-	-	-
British Columbia	24	14	-	-	63.16	36.84	-	-
Other provinces	44	6	40	-	48.89	6.67	44.44	-

Other Employment Statistics - Cont'd.

The number of hours worked per day in the month of highest employment and the standard working hours per week are shown by provinces in Table 6. . . It should be noted that whilst the statistics relating to hours of labour in columns 1, 2 and 3 are based on figures compiled for the month of highest employment, those in columns 4 and 5 represent the total and average of standard weekly hours of labour for the number of establishments reporting to the Bureau. For this reason the relation between daily and weekly hours of labour is to some extent impaired. The average daily hours of labour on the above basis was for the Dominion 9.55, whilst the average standard weekly hours worked out at 46.22 per plant.

Table 6.- Hours of Labour per day and per week, 1927.

Provinces	Total daily hours and number of wage-earners in month of highest employment			Standard working hours per week	
	Total hours	Total wage-earners	Average hours per day per wage-earner	Total	Average
	No.	No.	No.	No.	No.
CANADA	17,099	1,791	9.55	2,773	46.22
Ontario	14,800	1,521	9.73	1,716	45.16
Quebec	335	37	9.05	318	53.00
Manitoba	840	105	8.00	217	43.40
British Columbia	318	38	8.37	241	48.20
Other provinces	806	90	8.96	281	46.83

FUEL CONSUMPTION

The quantity and cost value at the factory of the various classes of fuel used in 1927 are shown in Table 7. The total cost of fuel shows an increase of \$214 when compared with 1926. The cost of coal rose by \$7,677, but on the other hand wood decreased by \$7,485, and oil, gas and gasoline by \$768. Electricity purchased during the year amounted to \$11,414 as compared with an outlay of \$10,849 in 1926.

Table 7. Fuel used by Classes, Quantity and Cost Value, 1927.

Classes of fuel	Units of measure	Quantity	Cost Value
Bituminous coal	ton	15,294	\$ 92,112
Anthracite "	"	276	2,877
Coke	"	18	248
Gasoline	Imp.gal.	1,304	344
Kerosene or coal oil	gal.	500	69
Oil (fuel)	"	3,381	355
Wood	cord	817	5,934
Gas, artificial and natural	M.c.ft.	2,624	1,575
Total cost of fuel	-	-	103,514

POWER INSTALLATION

Power installation in the vinegar, pickle, etc. section of the industry is shown by classes in Table 8, according to (a) the number of units in each class and (b) the horse power according to the manufacturer's rating. Primary power decreased over 1926 by 43 horse power. Electric motors increased by 351 horse power, whilst the total power used for manufacturing purposes increased 266 h.p. The number of boilers installed for any purpose totalled 42 with a boiler h.p. capacity of 4,789.

Table 8. Power Installation by Classes, 1927.

Classes of power	Number of Units	Horse power according to manufacturer's rating
Steam engines and turbines	16	845
Oil, gas and gasoline engines	21	58
Hydraulic turbines or water wheels	3	94
Total primary power	40	997
Electric motors operated by purchased power	213	912
Electric motors operated by power generated by establishment	213	800
Total electric motors	426	1,712
Total power for manufacturing purposes	253	1,909

MATERIALS USED

The quantity and cost value at the factory of the various materials used in this section is presented in Table 9 for the calendar year 1927. The total cost of all materials increased over the preceding year by \$930,552.

Table 9. Materials used by classes, quantity and value, 1927.

Classes of materials	Units of Measure	Quantity	Cost value at factory
			\$
Fruits for canning, etc.	pound	19,944,845	188,367
Vegetables for canning, pickling, etc.	"	45,355,855	688,292
Sugar	"	4,121,704	261,382
Salt	"	1,703,394	13,816
Pectin	"	6,548	688
Glucose	"	52,593	2,084
Spices, all kinds	"	142,606	41,615
Vinegar	gal.	401,045	111,677
Cider	"	830	513
Alcohol (ino. duty)	prf."	482,898	331,153
Vinegar materials n.c.s.(value only)	-	-	100,376
Containers, labels, caps, etc., (Value only)	-	-	1,763,088
All other materials (Value only)	-	-	605,762
Total cost of materials	-	-	4,108,813

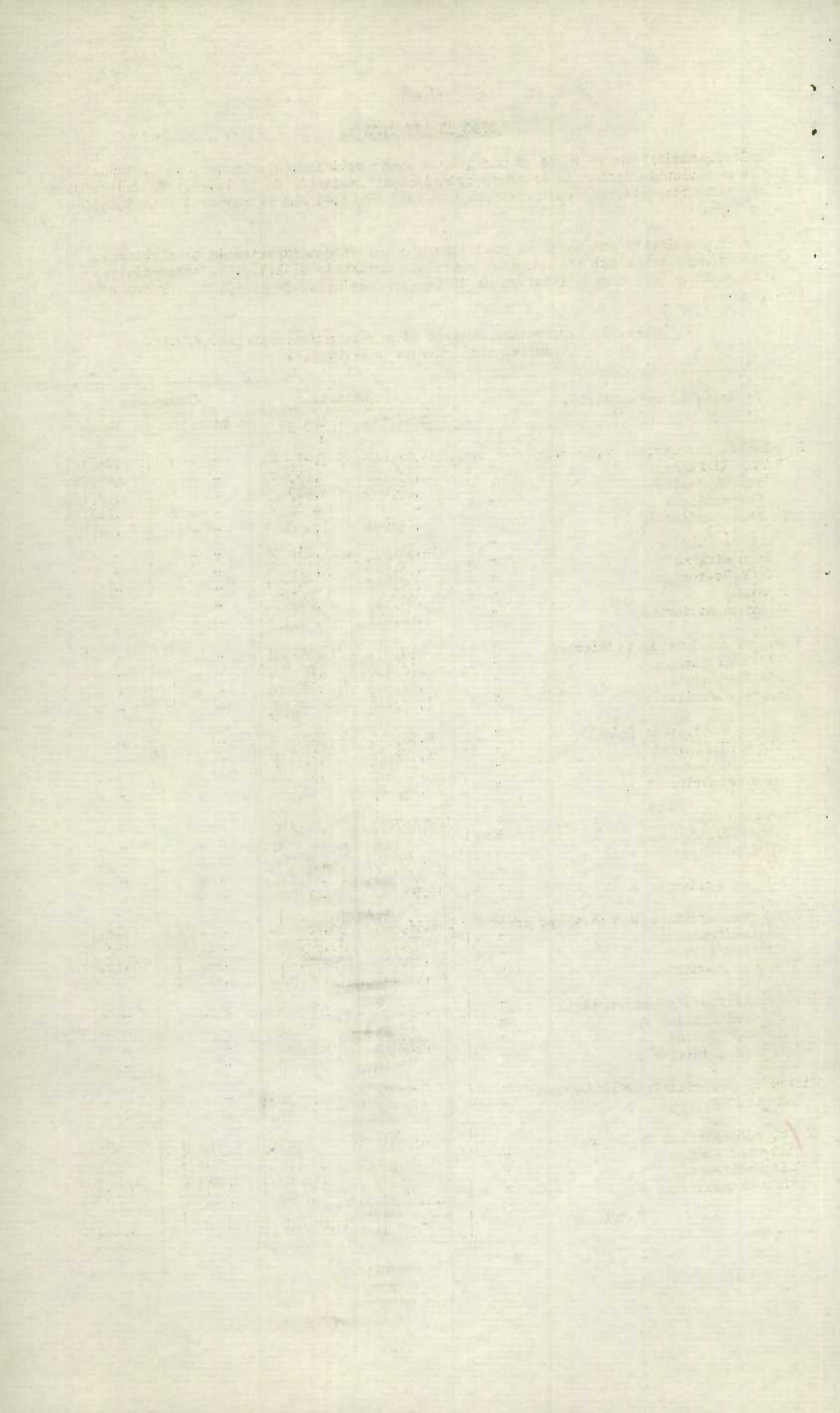
IMPORTS AND EXPORTS

The quantity and value of pickles, sauces and relishes, vinegar, etc., imported for consumption in Canada is shown by principal countries in Table 10. The total value of such imports during the calendar year 1927 was \$749,412 as compared with \$663,041 in 1926.

The quantity and value of goods the produce of Canada exported is also shown in the same table for the calendar year 1927 amounting to \$731,156. Comparative figures for 1926 show a total value of imports amounting to \$745,850, a decrease of \$14,694.

Table 10. Imports and Exports of pickles, sauces, vinegar, etc.
during the calendar year 1927.

Articles by countries		Imports		Exports	
		Quantity	Value	Quantity	Value
			\$		\$
Pickles in bottles, jars, etc.	gal.	84,688	147,474	-	707,347
United Kingdom	"	63,702	115,595	-	649,086
United States	"	15,690	24,429	-	32,785
Newfoundland	"	-	-	-	21,183
Other countries	"	5,296	7,450	-	4,293
Pickles in bulk	"	31,955	25,238	-	-
United Kingdom	"	2,586	3,174	-	-
United States	"	5,428	5,797	-	-
Japan	"	22,519	14,934	-	-
Other countries	"	1,422	1,333	-	-
Sauces and catsup in bottles	"	217,979	406,988	-	-
United Kingdom	"	122,980	235,024	-	-
United States	"	87,606	162,616	-	-
Other countries	"	7,393	9,348	-	-
Sauces and catsup in bulk	"	38,349	27,428	-	-
United Kingdom	"	1,788	1,130	-	-
United States	"	22,076	17,341	-	-
Other countries	"	14,485	8,957	-	-
Sauces, soy	"	103,337	42,140	-	-
United Kingdom	"	69	42	-	-
United States	"	6,405	2,048	-	-
Japan	"	65,921	27,847	-	-
Other countries	"	30,942	12,203	-	-
Vinegar any strength not above proof	"	191,503	96,254	42,552	18,142
United Kingdom	"	105,793	37,887	1,676	480
United States	"	73,965	50,467	39,376	16,967
Other countries	"	11,745	7,900	1,500	695
Vinegar above proof strength	"	23,150	3,659	-	-
United Kingdom	"	64	32	-	-
United States	"	23,039	3,610	-	-
Other countries	"	47	17	-	-
Cider, not clarified or refined	"	98	38	-	-
United States	"	98	38	-	-
Cider, clarified or refined	"	112	193	9,395	5,667
United Kingdom	"	30	111	218	150
United States	"	54	62	8,160	4,769
Other countries	"	28	20	1,017	748
Totals		-	749,412	-	731,156



FRUIT AND VEGETABLE CANNERIES IN OPERATION IN CANADA, 1927.

NOVA SCOTIA

- | | |
|--|----------------------|
| 1. Bens, Limited | Halifax, N.S. |
| 2. Provincial Cannery, Ltd. | Waterville, N.S. |
| 3. United Fruit Companies of N.S. Ltd. | Aylesford, N.S. |
| 4. Logan & Roberts, | R.R.#1, Pictou, N.S. |
| 5. Sterling & Embree | Wolfville, N.S. |
| 6. Western Cannery (Maritime) Ltd. | Berwick, N.S. |

NEW BRUNSWICK

- | | |
|------------------------------------|-----------------|
| 1. The A. & R. Loggie Co. Ltd. | Inkerman, N.B. |
| 2. The A. & R. Loggie Co. Ltd. | Tracadie, N.B. |
| 3. W. S. Loggie Co. Ltd. | Chatham, N.B. |
| 4. W. S. Loggie Co. Ltd. | Tracadie, N.B. |
| 5. Western Cannery (Maritime) Ltd. | Coldbrook, N.B. |

QUEBEC

- | | |
|----------------------------------|--|
| 1. Canadian Cannery, Ltd. | St. Isidore, Que. |
| 2. W. Clark, Ltd. | St. Remi, Que. |
| 3. The deGruchy Canning Co. | Laprairie, Que. |
| 4. A. D. Gregoire | Henryville, Que. |
| 5. Lemay & Lemay | St. Pierre les Becquets, Que. |
| 6. The A. & R. Loggie Co. Ltd. | Les Escoumains, Que. |
| 7. W. S. Loggie Co. Ltd. | " " " |
| 8. W. S. Loggie Co. Ltd. | Mille Vaches, " |
| 9. Wilfred Lorrain | Aboua-a-Plouffe, " |
| 10. Antonio Materazzo | 7089 rue de St. Valier, Montreal, Que. |
| 11. Les Trappistes de Mistassini | Mistassini, Que. |
| 12. David McMeekin | Valleyfield, " |
| 13. Windsor Canning Co. Ltd. | Napierville, " |
| 14. " " " " | St. Johns, Que. |
| 15. J. W. Windsor, Ltd. | Roberval, " |
| 16. Aristide Lassonde | St. Michel de Rougemont, Que. |
| 17. Rouville Cannery Co. Ltd. | St. Cesaire, Que. |

ONTARIO

- | | |
|-----------------------------------|--------------------------------------|
| 1. W. H. Benson | Pictou, Ont. |
| 2. Boulter & Colliver Canning Co. | Cherry Valley, " |
| 3. Canadian Cannery, Ltd. | Ameliasburg, " |
| 4. " " " | Amherstburg, " |
| 5. " " " | Aylmer, " |
| 6. " " " | Belle River, " |
| 7. " " " | Blenheim, " |
| 8. " " " | Bloomfield, " |
| 9. " " " | Bowmanville, " |
| 10. " " " | Brighton, " |
| 11. " " " | Burlington, " |
| 12. " " " | Chatham, " |
| 13. " " " | Colborne, " |
| 14. " " " | Colborne, " |
| 15. " " " | Dalbey, " |
| 16. " " " | Dresden, " |
| 17. " " " | Exeter, " |
| 18. " " " | Forest, " |
| 19. " " " | Frankford, " |
| 20. " " " | Grafton, " |
| 21. " " " | Grimsby, " |
| 22. " " " | Hamilton, " |
| 23. " " " | London, " |
| 24. " " " | Lakeport, " |
| 25. " " " | Leicester, " |
| 26. " " " | Napanee, " |
| 27. " " " | Niagara-on-the-Lake, Ont. |
| 28. " " " | |
| 29. " " " | |
| 30. " " " | |
| 31. " " " | |

FRUIT AND VEGETABLE CANNERIES IN OPERATION IN CANADA, 1927.(Cont'd.)

ONTARIO (Cont'd.)

32. Canadian Cannery, Limited	Northport	Ont.
33. " " "	Port Hope	"
34. " " "	Pickering	"
35. " " "	"	"
36. " " "	"	"
37. " " "	West Lake	"
38. " " "	Port Burwell	"
39. " " "	Port Dalhousie	"
40. " " "	Port Hope	"
41. " " "	Port Milford	"
42. " " "	Ridgeway	"
43. " " "	St. Catharines	"
44. " " "	"	"
45. " " "	St. David	"
46. " " "	Simcoe	"
47. " " "	Stoney Point	"
48. " " "	Stratford	"
49. " " "	Tilbury	"
50. " " "	Wineland	"
51. " " "	Waterford	"
52. " " "	Wellington	"
53. " " "	"	"
54. " " "	West Lorne	"
55. John M. Crockett,	68 Cope Ave., Mount Hamilton, Ont.	
56. Branscombe Canning Co.	Callorne	"
57. Ellis Canning Co.	Niagara Falls	"
58. Eureka Canning Co. Ltd.	Nottawa	"
59. Folkard Canning Co. Ltd.	R.R. #5, Bitham (Bethel) Ont.	
60. Glen Company	Glen Williams	"
61. Greer Bros.	Wallington	"
62. Hallowell Cannery, Ltd.	Ploomfield	"
63. Harvest Canning Co. Ltd.	958 Barton St. E. Hamilton, Ont.	
64. Irvin S. Havens	St. Catharines, R.R. #1	
65. Henrie, Emile	Clarence	"
66. Hyslop & Sons, Ltd.	Greenville & Burlington	"
67. Huron Canning & Evaporating Co. Ltd.	Coderich	Ont.
68. Kinney Canning Co.	Pickton	"
69. Hubert J. O'Mara,	Carlton St., St. Catharines	"
70. Metcalfe, E. C. Canning Co.	Deseronto	Ont.
71. Otterville Cannery, Ltd.	Otterville	"
72. Orser, C. (Northern Canning Co.)	New Blenheim	"
73. Port Dover Canning Co. Ltd.	Wineland Station	"
74. (Operating Culverhouse Canning Co.)		
75. Port Dover Canning Co. Ltd.	Port Dover	"
76. Quality Cannery of Canada, Ltd.	Cotton	"
77.	McGregor	"
Head Office,	Huron	"
38 LaBelle Bldg.,	Essex	"
Windsor, Ont.		
78. Smart Bros. Ltd.	Collingwood	"
79. Smithfield Packing Co.	Smithfield	"
80. J. G. Sprague & Sons	Mountain View	"
81. Spring Valley Cannery, Ltd.	Brighton	"
82. Waupoos Canning Co. Ltd.	Waupoos	"
83. Welch Grape Juice Co.	St. Catharines	"
84. Nesbitt, E. J. Canning Co.	Brighton	"

MANITOBA

1. The Kildonan Canning Co. Ltd.

East Kildonan, Man.

BRITISH COLUMBIA

1. Ashcroft Cannery, Ltd.
2. Broder Canning Co. Ltd.
3. Cedar Hill Canning Co. Ltd.

~~Ashcroft, B.C.~~
~~Front Street, New Westminster, B.C.~~
~~Victoria, B.C.~~

FRUIT AND VEGETABLE CANNERIES IN OPERATION IN CANADA, 1927. (Cont'd.)

BRITISH COLUMBIA - Cont'd.

4. Dominion Cannery, B.C. Ltd.	Kelowna,	B.C.
5. " " " "	Keremeos	"
6. " " " "	332 Drake St.,	Vancouver, B.C.
7. " " " "	Oliver,	"
8. Western Packing Corporation, Ltd.	Kamloops,	"
9. Farmers Canning Co. Ltd.	Mission City	"
10. Western Packing Corporation, Ltd.	261-281 Central St.,	Vancouver, B.C.
11. Occidental Fruit Co. Ltd.	Kelowna,	"
12. Western Packing Corporation, Ltd.	"	"
13. Rowcliffe Canning Co. Ltd.	"	"
14. Saanich Canning Co. Ltd.	Sidney,	"
15. Western Packing Corporation, Ltd.	Port Haney,	"

EVAPORATED FRUITS AND VEGETABLES, CANADA, 1927.

NOVA SCOTIA

1. Acadia Cannery, Ltd.	Kingston, N.S.
2. Acadia Cannery, Ltd.	Lakeville, "
3. Acadia Cannery, Ltd.	Aylesford, "
4. Cambridge Fruit Co.	Cambridge Station, N.S.
5. Fruit Products, Ltd.	Annapolis Royal, N.S.
6. Kingston Evaporators, Ltd.	Kingston "
7. Forsyth, D. H.	Greenwich, "
8. Graves, M. W. & Co. Ltd.	Sheffield Mills, "
9. Union Dehydration Co. Ltd.	Greenwich "

ONTARIO

1. Parkinson Bros.	The Huron	Ont.
2. Canadian Cannery, Ltd.	Brighton	"
3. Clapp, A. D.	Barton	"
4. Clark Bros.	Blindfield	"
5. Consecon Evaporator	Consecon	"
6. Davis, Joel	Chingali	"
7. Gay, S. C.	Forbes	"
8. Graham, R. G.	Frankford	"
9. Haines, P. & Son	Glarkburg	"
10. Hamilton, W. L.	Colvingwood	"
11. Holgate, John A. & Son	Bowmanville	"
12. Hughes, L.	Wapoose	"
13. Lakeview Evaporator Co.	Manford	"
14. Leavens & Lovelace	Bloomfield	"
15. Lobb & Collier	Barford	"
16. Mahler Bros.	Brambleton	"
17. Mitchell, J. A.	Wesley	"
18. Peacock, O. J.	Babro	"
19. E. C. Adams (The Phillips Co.)	Redboro	"
20. Robinson, O. E. & Co.	Millbrook	"
21. Shourds, L. K.	Wellington	"
22. Shourds & Collier	Oranston	"
23. Smithfield Evaporator Co.	Smithfield	"
24. Vancise & Carpenter	Greenmore	"
25. West End Evaporator Co.	Windsor	"
26. Whitcomb, F. C.	Windsor	"

BRITISH COLUMBIA

1. Bulman's Ltd.	Vernon, B.C.
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FRUITS PRESERVED (JAMS, JELLIES, ETC.) 1927.

NEW BRUNSWICK

1. Thos. E. Stevenson Co. Ltd.	3 Prince Edward St., St. John, N.B.
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NOVA SCOTIA

1. Jack & Cardoza	Digby, N.S.
2. Rev. Arengo-Jones	Cambridge, N.S.

FRUITS PRESERVED (JAMS, JELLIES, ETC.) 1927 - Cont'd.

QUEBEC

1. Crawford Co. Ltd.
2. Eagles, John
3. Dominion Preserving Co. Ltd.
4. Labrecque & Pellerin
5. Jos. M. Poirier (Mrs. Lakes, Regd.)
6. Old City Mfg. Co. Ltd.
7. Preston's Pure Preserves, Ltd.
8. Quebec Preserving Limited
9. Alphonse Raymond
10. Saxonia Fruit Preserving Co. Ltd.

- 776 Chatham St., Montreal, Que. ✓
 1098 Drummond St., Montreal, Que. ✓
 8455 St. Dominique St., Montreal, Que. ✓
 1081 St. Timothee St., Montreal, Que. ✓
 944 Calumet Ave., Montreal, Que. ✓
 120 St. Paul St., Quebec, ✓ "
 4566 DelaRoche, Montreal, ✓ "
 23 Devarennas, Quebec ✓ "
 1830 rue Panet, Montreal ✓ "
 75-17th Ave., Lachine, ✓ "

SASKATCHEWAN

1. J. W. A. Jarvis

Saskatoon, Sask.

ALBERTA

1. Eaman's Limited

614-17th Ave. W. Calgary, Alta. ✓

ONTARIO

1. Beasley, Wm.
2. Betty's Ltd.
3. Bowes Co. Ltd.
4. Canadian Cannors, Ltd.
5. Casson, John
6. Glassco, Limited
7. Huht Mfg. Co.
8. Jacobs, Geo. B.
9. Laing, R. D. & Co. Ltd.
10. Lindner Co. Ltd.
11. Nicholson & Stetler
12. St. Williams Preserves, Otd.
13. Shirreffs Limited
14. Smith, E. D. & Sons, Ltd.
15. Smith, J. Hungerford Co. Ltd.
16. Taylor Bros. & Co.
17. Thompson, E. B.
18. Toronto Preserving Co.
19. Upton, T. Co. Ltd.
20. Wagstaffe, Limited
21. Wethey, J. H. Limited
22. Whitlaw, J. S. Ltd.

- ~~123 Baiton St., Toronto, Ont.~~ ✓
~~25 York Ave., Mount Dennis, B.~~ ✓
~~58 Wellington St. E., Toronto, Ont.~~ ✓
~~44 Niagara St. S., Hamilton~~ "
~~812 Bloor St., Toronto~~ "
~~Oakville~~ "
~~2382 Dundas St. W., Toronto~~ "
~~Oakville~~ "
~~171 Sheridan Ave., Toronto~~ "
~~Brampton~~ "
~~Waterdown~~ "
~~Simcoe~~ "
~~2-24 Matilda St., Toronto~~ "
~~Winona~~ "
~~19 Toradley St., Toronto~~ "
~~New Toronto~~ "
~~20 Front St. E., Toronto~~ "
~~756 Queen St. W., Toronto~~ "
~~37 Delaware Ave., Hamilton~~ "
~~Cor. Maple & Gage Ave., Hamilton~~ "
~~St. Catharines~~ "
~~168 Grosvenor Ave. N., Hamilton~~ "

MANITOBA

1. Coles, S. W.

662 Pacific Ave., Winnipeg, Man. ✓

BRITISH COLUMBIA

1. Empress Mfg. Co. Ltd.
2. Mrs. Haine, Ltd.
3. McDonald Jam Co. Ltd.
4. Majestic Mfg. Co. Ltd.
5. Robinson, William, Ltd.
6. Slaney, Chas. B.
7. Stanley, H.
8. Kootenay-Columbia Preserving Works

- ~~1106 Homer St., Vancouver, B.C.~~ ✓
~~2615 4th Ave., W., Vancouver~~ "
~~Nelson, B.C.~~ ✓
~~621-15th Ave. E., Vancouver, B.C.~~ ✓
~~251-1st Ave., E., "~~ "
~~157 Water St., Vancouver,~~ "
~~3380 Victory St., (Burnaby) Vancouver, B.C.~~ ✓
~~Prilliant, B.C.~~ ✓

VINEGAR, CIDER, PICKLES, RELISHES, SAUCES, ETC. 1927.

NOVA SCOTIA

1. Chappell, Claude C.
2. Crocker, C.H.R.
3. Graves, M. W. & Co. Ltd.

Amherst, N.S.
 Wilmot, "
 Bridgetown, "

NEW BRUNSWICK

1. McCready & Son

20-40 Camden St., St. John, N.B. ✓

VINEGAR, CIDER, PICKLES, RELISHES, SAUCES, ETC., 1927 - Cont'd.

QUEBEC

- | | |
|---|---|
| 1. The Lion Vinegar Co. Ltd. | 661 Drolet St. and 457 St. Germain St.,
Montreal, Que. |
| 2. La Manufacture Nationale de Vineigre,
(C. E. Boivin) | 35 rue Saultau Matelot, Quebec, Que. |
| 3. Pare, H. | 185½ rue Colombe, Quebec. |
| 4. Reid, W. G. | 4131 Henry Julien Ave., Montreal, " |
| 5. St. Lawrence Vinegar Mfg. Co.
(operated by Lion Vinegar Co. Ltd.) | 92 St. Leon St., Quebec |

ONTARIO

- | | |
|--|----------------------------------|
| 1. Canada Vinegars, Ltd. | 112 Duke St., Toronto, Ont. |
| 2. " " " | 137-139 James St., S. Hamilton " |
| 3. " " " | Bogot St., Kingston " |
| 4. " " " | Norwich " |
| 5. W. B. Armour Co. | 6 Cherrynook Gardens, Toronto " |
| 6. Jas. Barden & Son. | Eden Mills " |
| 7. Bowron Bros. | 105 Victoria Ave., N. Hamilton " |
| 8. Canadian Cannery, Ltd. | Brighton " |
| 9. Chandler, W. T. | rear 106 Shuter St., Toronto " |
| 10. Crosse & Blackwell (Canada) Ltd. | Fleet & Bathurst Sts., Toronto " |
| 11. Clark, W. Limited | Harrow " |
| 12. Dietz, Henry H. | Clifford " |
| 13. Douglas Packing Co. Ltd. | Cobourg " |
| 14. Duncan, W. H. | Bright " |
| 15. Duthie, Earl H. | 650 Dufferin St., Toronto " |
| 16. Blyth, Cecil J. | Hamover " |
| 17. Gordon, D.B. | 490 Mary St., N. Hamilton " |
| 18. Grimsby Pickle Co. Ltd. | Grimby " |
| 19. Heinz, H. J. Co. | Leamington " |
| 20. Horton-Cato Mfg. Co. | 506 Dufferin Place, Windsor " |
| 21. Huehn, W. H. | Bader " |
| 22. Jantzi, Aaron W. | Walleale " |
| 23. Lapp Bros. | Meridian " |
| 24. Lapland Co. | Simcoe " |
| 25. Libby, McNeill & Libby of Can. Ltd. | Chatham " |
| 26. Embleton (London Vinegar Works) | 96 King St., London " |
| 27. Mackie Pure Food Co. | St. Catharines " |
| 28. National Canned Meats, Ltd. | 521 Front St. E. Toronto " |
| 29. Ontario Seed Co. (O. & J. Uffelmann) | 12 King St., Waterloo " |
| 30. Patterson, S. & Co. | Oakville " |
| 31. Reinhart, B.E. | Stayner " |
| 32. Royal Mfg. Co. | 1160 Dundas St. W. Toronto " |
| 33. Sauder, J. B. | St. Jacobs " |
| 34. Schreider, Mrs. Christina | Ayton " |
| 35. Scott, W. B. | 96 Wilson St., Woodstock " |
| 36. Shantz, A. J. | R.R. #1, Hespelier " |
| 37. Stahl, E. A. | Kitchener " |
| 38. Weber, Michael & Son | St. Clements " |

MANITOBA

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|-------------------------------|---|
| 1. Avico Food Products, Ltd. | 1262 Selkirk Ave. Winnipeg, Man. |
| 2. Dyson Vinegar Co. Ltd. | 456 Redwood Ave., " " |
| 3. Reynolds, Moore & Co. Ltd. | 109 Higgins Ave., " " |
| 4. Taylor, W. A. & Co. | 168 Provencher Ave., St. Boniface, Man. |
| 5. Jones, E. F. & Co. | 936 Sherbrooke St., Winnipeg, Man. |

ALBERTA

- | | |
|--------------------------------|---------------------------------|
| 1. Bentz, Charles & Sons, Ltd. | 1116-12th St. E. Calgary, Alta. |
| 2. Blair, W. J. | 10507-98th St., Edmonton " |

BRITISH COLUMBIA

- | | |
|------------------------------|------------------------------------|
| 1. Holsum Packing Co. Ltd. | 851 Figgard St., Victoria, B.C. |
| 2. Ramsay & Musgrave | 1004 Mainland St., Vancouver, B.C. |
| 3. Syms, Wm. T. | Salmon Arm, B.C. |
| 4. Vancouver Pickle Co. Ltd. | Granville Island, Vancouver, B.C. |
| 5. Vernon Growers, Ltd. | Vernon, B.C. |

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