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GOVERNMENT OF CANADA

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MONTHLY REPORT

ON

INVENTORIES & SHIPMENTS

BY

MANUFACTURING INDUSTRIES

IN CANADA (EXCLUDING NEWFOUNDLAND)

OCTOBER, 1949



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DOMINION BUREAU OF STATISTICS DEPARTMENT OF TRADE AND COMMERCE

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This report continues the monthly series of indexes of the dollar value of manufacturing inventories and shipments, and of percentage changes in relationship of inventory to shipments in selected industries. The breakdown of material presented is as follows:

(1) Indexes of the estimated total value of inventory held in all industries, and in groupings of industries classified according to the economic use made of their products, for the period January 1947 to October 1949. The estimated totals are based on data collected from samples in industries holding approximately 92 p.c. of all manufacturing inventories. Indexes are based on the average 1947 values of inventory held in each case.October figures are preliminary only.

(2) Indexes of the value of shipments and inventories, broken down into raw materials, goods in process, and finished goods, for totals of reporting firms in individual industries. The base for these indexes is also the average 1947 value reported in each case. Data for individual industries include the index number for the current month, the previous month, and the same month a year ago.

(3) Tables showing the average 1947 relationship of value of inventory held at the end of the month to shipments made during the month in selected industries, and also the percentage change in the inventory-shipments relationships during the current month, the previous month and the same month a year ago.

It must be emphasized that all the above tables are based on values of inventories and shipments. Apart from the fact that knowledge of trends in the values of inventory holdings and shipments is useful in itself, it is also the only feasible approach in industries producing many types of goods, and it is the only method allowing totalling of industries or comparisons of different industries. Changes in value may, however, reflect changes in quantity or changes in price, or both, and differences in the indexes from month to month must be interpreted with this in mind. Factors which must be considered in any attempt to separate the two influences in value changes are discussed on page 10.

Preliminary reports indicate the following trends in inventory holdings at the end of October:

Total inventory value shows a slight decline from the August level, the preliminary index standing at 126.7 per cent of the average 1947 value, as against 127.5 (revised) at the end of September. (The revised September figure is 3 points below that indicated by preliminary returns as published last month, thus showing the largest drop in the total index since it began a rather irregular decline last February.) The October figure is 6 per cent below the February high, and a fraction below the level of October 1948. Of the main industry groupings, inventory values in the consumers' goods industries appear to have risen by 2 points in October to reverse a steady decline since April. (Revised September figures are 4 points below the preliminary). The October index, at 125.0, is 3 per cent above October 1948. In the capital goods industries, inventory values fell by 2 points, continuing a steadily declining trend since June. At 100.5, this index is 23% below last year's level. Value of inventories in the producers' goods industries fell by 7 points, to reach 137.6. This is 1 per cent below October 1948. Inventories in the construction goods industries appear to have fallen by 9 points in October. This index has now dropped for two consecutive months, indicating that construction goods inventories may have reached their peak in August, as compared to July for producers' goods industries, March for consumers' goods industries and November 1948 for capital goods industries. Figures for sawmills, the largest component of the construction goods group, are, however, not yet available.

A breakdown of the larger groupings shows that, in the consumers' goods group, inventories of non-durable consumers' goods industries rose by 3 points. The food industries, largest component of the non-durable group, fell by 5 points in total, with increases in the Biscuits and Confectionary Industry, Sugar Refineries, the Fish Curing and Packing Industry, and the Slaughtering and Meat Packing Industry of 1, 16, 5, and 21 points respectively, and declines of 40 points in the Fruit and Vegetable Preparations Industry and 22 points in the Dairy Products industry. These changes are all in line with seasonal trends, although the seasonal decline in the Fruit and Vegetable Preparations Industries has begun a month earlier than in the last two years. The total food index is 8 points below last year's level, the Fish Curing and Packing Industry being the only one of the group above the level of October 1948. The index of the Tobacco and Beverages group rose by 2 points from the September level, with a large seasonal increase in brewers' stocks, and declines in inventories of Tobacco Packers and Manufacturers and of Distilleries. This group index is 11 points above last year's level. Stocks in the Petroleum Industry rose by 7 points in October and the Pulp and Paper Industry showed a seasonal increase of 8 points. The Petroleum Industry is 28 points above last year's level, and Pulp and Paper is 7 points below last year. The semi-durable consumers' goods index rose by 1 point in October with a 4 point rise in the clothing industries index, a five point fall in the Rubber Goods index and a fractional rise in the Textile Industries. The semi-durable index is 7 points above last year's level. The index of durable consumers' goods industries fell by 1 point, the only large change being a 7 point rise in the Heating and Cooking Apparatus industry. This group index is 3 points above last year's level.

In the capital goods industries, inventory values in the transportation equipment group fell by 3 points, with small declines in each of the three industries included in the group. Here the index is 61 points below last year's level, but this group is a special case in that inventory represents almost the entire value of current production up to the point where major deliveries are made. Among the other industries in the capital goods group, no large changes were registered. The index for all other industries in the capital goods group is 2 points above October, 1948.

In the producers' goods industries, the iron and steel industries showed a 6 point drop in inventory values in October. Within this group, the Sheet Metal Products Iron Castings and Forgings and Primary Iron and Steel Industries all showed declines of from 6 to 9 points. The index for iron and steel industries is 15 points above last year's level. The non-ferrous metals industries index dropped by 2 points, with a slight rise in the Non-Ferrous Metals Smelting and Refining Industry and declines of 4 and 6 points in the Brass and Copper Products and White Metal Alloys industries. The non-ferrous metals group index is 8 points below last year's level. The Fertilizers Industry showed a seasonal increase of 30 points, and the Coke and Gas Industry appears to have begun its seasonal decline a month earlier than last year with a 22 point drop. In the Fertilizers Industry the inventory index is 13 points above last year's level, and in the Coke and Gas Industry it is 36 points below. Other industries in the producers' goods did not show large changes from the September levels.

In the construction goods industries, the Cement and Paints and Varnishes Industries showed increases of 5 and 6 points respectively. Planing mills declined by 10 points, and in sawmills, where actual figures are not yet available, the trend is also downward.

In roughly two thirds of the industries for which shipments figures are available, (see Table 2) shipments values were lower in October than in September. Slightly over half the industries also showed lower shipments levels than in October 1948.

Section 1.

MONTHLY INDEXES OF ESTIMATED TOTAL VALUE OF INVENTORY, BY ECONOMIC USE GROUPINGS OF INDUSTRIES, JANUARY 1947 - OCTOBER 1949

The estimates in Table 1 have been based on two types of source materials. In most industries totals were estimated from data submitted by a sample of leading firms which report the value of their inventories and shipments monthly. Though the size of the sample varies to some extent from industry to industry, in most cases the firms reporting hold over half of all the inventories held in the industry and in a number of instances the sample includes more than 90 per cent of the total. In a smaller group of industries estimates have been based on information available on the physical volume of the chief types of stocks held in these industries. By use of data on prices and on the rate at which these stocks turn over, an estimate of the current value of these inventories has been made. Because no information is available on the accounting methods used by the firms in these industries the value of inventories shown for them cannot be expected to correspond exactly to their own book value but it does show the general trend of inventories in these industries and makes it possible to build up an overall picture for the manufacturing field.

The total in Table 1 has been presented in detail according to an economic use classification. In this classification goods have been grouped according to whether production consists primarily of consumer goods, capital goods, producers' materials or construction materials. This form of presentation corresponds to the type of use which is ultimately made of the goods produced by various industries. Because some industries produce goods which fall in more than one of these main groups the classification can only be approximate in nature and in allocating certain industries fairly arbitrary decisions had to be made. In time some further grouping of plants within industries should make it possible to improve the accuracy of this presentation.

Within the consumer goods group a further subdivision has been shown on the basis of whether the product is primarily of a perishable, a semi-durable, or a durable nature. This form of presentation has been widely used in recent years and corresponds to the form in which consumer expenditures, part of the country's gross national expenditure, is presented. This should be useful to all those who are interested in the general flow of goods from the primary producing stage to their ultimate destination.

Table 1. - Index Numbers for the Estimated Total Value of Inventories

(Estimates based on a sample of reporting firms and

1947 1. Jan. 86.2 87.1 78.5 91.0 82.6 88.4 2. Feb. 87.9 89.0 81.2 88.2 89.3 89.6 3. Mar. 89.5 90.5 85.2 87.5 91.3 90.0 4. Apr. 92.6 94.0 90.4 87.9 92.5 92.7 5. May 94.8 97.1 92.8 90.3 86.8 96.0 6. June 98.6 100.2 98.1 94.6 92.7 98.8 7. July 101.7 101.9 102.2 99.0 103.2 100.2 8. Aug. 104.0 102.6 106.6 104.8 109.5 100.3 9. Sept. 106.5 104.1 112.1 109.1 113.2 102.1 10. Oct. 108.2 106.2 111.6 113.4 112.4 105.0 11. Nov. 112.9 110.5 119.2 116.6 116.0 112.6	NON-
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11. Nov. 112.9 110.5 119.2 116.6 116.0 112.6	106.6
12. Dec. 116.2 115.5 122.1 117.8 110.2 118.1	12.4
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	17.6
	16.7
	16.3
	120.3
	22,5
	125.0
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22. Oct. 127.1 121.6 130.8 138.6 146.6 127.8	127.5
	129.1
24. Dec. 130.0 126.8 119.2 141.7 155.3 135.2	131.3
1949	
	134.1
	L36.3
	135.8
	134.5
29. May 130.8 129.2 112.9 138.8 159.9 131.8	135.9
30. June 131.4 128.2 109.5 143.6 172.2 129.2	L33.0
31. July 132.1 128.1 108.2 146.5 179.3 130.0	134.2
32. Aug. 130.2 125.3 104.1 141.1 195.2 126.2	131.6
33. Sept. (Rev.)127.5 123.3 102.6 144.5 172.6 126.2	L32.0
34. Oct. (Prel.)126.7 125.0 100.5 137.6 163.9 129.1	132.5

held in all Manufacturing Industries, January 1947 - October 1949

on the estimated current value of physical stocks)

(1947 Average = 100)

	LE CONSUMER Tobacco				TOTAL	Pulp and	Feed		
boo	and	Drugs	Petroleum	Other	SEMI_FINI SHED	Paper	and	Other	
000	Beverages	22100	Products		GOODS	Mills	Flour		
82.7	91.2	88.88	84.4	85.2	94.7	97.4	94.1	91.4	1.
75.7	102.8	90.5	83.5	86.2	96.7	100.7	90.9	92.7	2.
72.4	108.7	95.5	84.5	88.0	95.6	100.2	86.0	92.4	3,
78.8	107.5	98.1	87.7	93.0	96.4	100.7	86.7	94.1	4.
89.3	105.3	102.2	93.9	97.5	94.7	97.2	89.4	94.9	5.
96.3	102.7	117.3	98.6	102.5	94.7	97.4	87.8	95.5	6.
.03.7		109.1	104.9	104.0	92.2	94.2	88.6	92.9	7.
11.4		107.5	109.7	104.6	89.9	91.1	91.6	88.9	8
14.0		103.3	109.7	104.2	92.5	92.0	100.1	93.2	9.
15.6		99.3	111.4	103.1	100.6	99.3	109.0	103.1	10
.26.7		93.3	116.7	106.2	113.1	110.1	129.2	116.3	11
25.8		94.9	115.6	105.5	125.1	119.3	146.8	133.5	12
.29.4	119.2	100.8	113.2	108.0	132.7	128.9	142.7	143.1	13
.14.3		100.9	111.5	107.6	134.8	133.2	136.9	144.0	14
.09.3		101.7	114.6	110.3	133.8	135.5	124.8	140.6	15
.07.8		103.5	122.9	110.8	127.9	132.3	108.8	133.4	16
15.0		105.5	131.6	114.7	120.4	125.8	96.4	126.3	17
.21.4		106.9	128.5	115.3	118.3	124.0	89.2	126.5	18
.22.7		107.2	145.1	125.0	114.6	120.2	84.4	123.6	19
.23.7		108.1	152.7	121.9	112.5	116.4	97.3	116.1	20
		102.7	158.0	119.5	117.9	117.5	119.8	123.1	21
26.1		101.6	161.1	120.3	128.6	125.6	140.0	135.6	22
		100.8	169.7	123.5	138,5	131.7	164.2	138.5	23
.27.9		105.2	170.2	128.4	146.5	140.6	168.5	155.4	24
.21.7	LOL . /	100.0	LIUO	TWOOT	1 10:0	110.0	100.0	100.4	N.1
18.6	143.5	107.6	165.5	139.1	147.1	140.7	160.0	157.7	25
15.7		108.7	158.7	143.4	149.7	140.8	173.8	159.7	26
12.9		110.2	156.9	143.1	142.9	139.5	142.4	153.6	27
13.3		109.7	162.1	140.0	142.6	137_2	150.4	153.2	28
18.9		107.2	165.2	136.3	133.9	127.9		136.8	29
19.9		105.9	168.0	126.3	131.9	127.8		133.2	30
		106.9	179.8	125.6	131.8	122.7		131.0	31
122.3				122.1		116.0	156.5	127.9	32
121.6		103.9	187.0		124.5				
.27.1	125.1	99.6	189.5	118.1	123.4	110.7	181.0	129.8	33
122.1	126.9	98.3	196.7	127.4	133.1	118.3	181.1	144.2	34

Table 1. - Index Numbers for the Estimated Total Value of Inventories held

(Estimates based on a semple of reporting firms and

					SEMI-DU	JRABLE C	ON SUME	S' GOODS		
			TOTAL			Leather			-	Leather
	MONTH	TOTAL	FINI SHED	Rubber	Clothing	Foot-	Other	SEMI_FIN-	Tex-	Tanner-
			GOODS			wear		ISHED GOODS	tiles	ies
_	1947									
1.	Jan.	84.2	84.0	78.9	84.1	92.5	85.6	84.6	85.7	79.0
	Feb.	87.5	87.9	86.8	87.2	93.4	88.9	86.8	88.1	80.4
	Mar.	91,3	91.5	99.3	87.6	100.6	92.3	90.9	92.2	83.9
		95.6	97.3	106.7	94.0	102.4	96.0	92.4	93.2	88.1
	May	98.8	99.8	109.0	96.8	103.4	98.2	97.0	98.5	89.6
	June	102.6	102.3	107.0	.01.7	105.3	100.8	102.2	104.3	91.7
	July	105.3	106.4	104.6	107.2	111.3	102.9	103.2	104.9	94.6
	Aug.	104.5	106.1	102.4	107.7	111.4	101.6	101.3	102.8	
	Sept.	105.2	106.7	100.0	107.7	118.4	104.8	102.3	104.7	
	Oct.	107.4		98.8	108.5	126.3	109.5	105.7	105.6	
	Nov.	108.7	106.6	100.7	104.5	127.9	111.3	112.8	108.3	
		115.4	112.7	105.3	113.0	129.7	111.6	120.7	111.1	
TH.	Dec.	TTO++	TTOOL	100.0	TT OF C	THOPI	TTTOU	220001	ala da da gar	1000%
	3.040									
	<u>1948</u>	112 0	107.5	136 5	101.6	118.7	110.6	126.1	114.2	184.5
	Jan.	113.8		116.5		117.3	113.1	123.8	110.5	
	Feb.	115.2	110,8	125.7	104.8					
	Mar.	117.3	112.3	131.3	105.9	110.8	114.9	127.2	116.5	
	Apr.	116.3	113.1	136.4	106.0	107.7	115.7	122.5	115.0	
	May	117.8	115.1	139.9	108.3	106.1	116.1	123.2	119.7	
	June	120.4	119.9	140.4	112.5	108.4	116.9	122.9	121.7	
	July	122.5	120.6	139.4	116.7	108.7	119.2	126.0	123.4	
20.	Aug.	120.2	118.6	133.9	115.2	110.2	117.6	123.1	118.9	
21.	Sept.	118.6	115.0	128.6	110.9	108.9	117.9	125.7	120.1	
22.	Oct.	115.0	109.9	121.2	105.0	107.9	116.7	125.0	119.0	154.3
23.	Nov.	115.5	109.3	119.4	104.2	109.6	117.6	125.7	120.2	153.1
24.	Dec.	120.1	115.7	125.4	110.6	119.7	121.7	127.0	122.0	151.6
	1949									
25.	Jan.	123.0	120.5	131.4	115.1	123.5	128.3	127.9	125.9	148.8
	Feb.	127.3	125.8	136.4	121.3	125.7	132.3	130.1	127.9	140.5
	Mar.	130.1	126.8	139.7	122.2	119.6	133.6	136.3	135.4	141.0
		128.1								134.9
		129.2		137.3		108.4	128.9			137.2
						112.6	125.5			134.7
		131.6		128.0		113.6				
	-	128.7		122.4		110.2	120.6			126.4
		THUSI	77003	TUNGI	10000	44 VON	10000	TAIOA	10010	THUET
33.	Sept. Revised	121.3	116.7	114.4	117.2	108.0	117.5	130.3	131.7	123.3
34	Oct.									
UT.	Prelim.	122.6	117.8	109.0	121.0	108.4	115.1	131.8	132.0	131.2

in all Manufacturing Industries, January 1947 - October 1949 (Cont'd.)

on the estimated current value of physical stocks)

(1947 Average = 100)

DURABLE CONSUMERS' GOODS TOTAL TOTAL Autos Electrical Fur- Hard- Other SEMI-FINISHED Auto TOTAL FINT SHED and Bicycles Apparatus niture ware Supplies GOODS GOODS 83.5 86.7 87.2 88.5 87.2 92.1 80.7 88.6 88.1 1. 86.1 93.6 93.6 86.8 93.0 2. 93.0 88.8 89.1 90.5 87.4 90.4 90.7 91.0 94.1 94.6 94.6 3. 90.9

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 108.7 110.4 106.5 111.3 102.0 12. 109.0 112.5 105.8 105.8 108.7 111.5122.3112.0107.2111.9100.1112.3115.8128.4114.5109.8114.7108.1113.5114.9126.3112.4110.7113.7110.5112.3117.7125.9118.9112.9114.5109.9107.9117.4124.0118.6116.0114.4109.2104.1118.2121.4121.4117.3114.6109.2101.0117.8117.7121.1118.8114.6111.199.5118.8122.1120.2118.2116.9113.3103.7117.7123.3116.8116.3119.9112.9103.6114.8119.5114.4113.6118.4109.2104.9114.4111.9111.7113.9118.1106.4109.3112.3 13. 111.6 113.5 14. 115.6 112.3 15. 114.6 107.9 16. 116.8 104.1 17. 116.2 101.0 18. 116.6 99.5 19. 116.1 103.7 103.6 104.9 20. 117.5 21. 116.4 114.8119.5114.4113.6118.4109.2104.9114.4111.9111.7113.9118.1106.4109.3115.4101.7124.0119.4122.5105.6112.6 22. 113.9 109.3 109.3 23. 113.9 115.1 112.6 24. 119.9 112.9 115.0 25. 115.1 123.4 124.7 108.9 119.9 115.5 115.3 129.2 126.2 111.2 118.6 123.5 122.0 122.0 26. 118.9

 123.3
 113.3
 123.2
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 123.2
 124.3
 124.3

 128.1
 116.0
 130.7
 129.6
 111.2
 126.0

 128.5
 115.8
 133.8
 130.5
 120.5
 125.7

 126.2
 116.3
 134.4
 133.3
 121.2
 121.6

 123.2
 116.2
 135.5
 130.3
 122.5
 114.2

 115.2
 114.2
 133.9
 130.2
 125.0
 108.2

 122.3
 110.8
 132.8
 131.0
 123.7
 112.2

120.8 120.3 126.0 27. 122.3 125.7 28. 122.6 122.5 126.2 121.6 29. 122.4 114.2 121.9 123.2 30. 121.2 119.7 115.2 108.2 31. 118.7 118.8 119.5 112.2 32. 122.8 108.6 131.7 139.5 121.8 110.5 110.5 33. 118.9 118.3 117.8 123.1 106.3 130.1 139.2 121.9 111.1 111.1 34. 117.2

Table 1. - Index Numbers for the Estimated Total Value of Inventories held

(Estimates based on a sample of reporting firms and

(1947 Average = 100)

				CAP	ITAL GOODS			
				Transportati	on Equipmen	t	All oth	er Capital
	MONTH			Ship-	Railway	Air-		
		TOTAL	Total	building	Rolling	craft	Total	Machinery
					Stock			
	1947							
1.	Jan.	78.5	69.3	59.5	85.0	82.7	88.3	88.5
2.	Feb.	81.2	72.6	65.4	81.5	86.9	90.2	89.7
3.	Mar.	85.2	77.0	70.7	84.3	89.8	94.0	92.8
4.	Apr.	90.4	81.7	76.7	88.9	90.0	99.7	95.7
5.	May	92.8	87.1	83.0	91.9	95.3	99.0	98.8
6.	June	98.1	95.3	90.6	97.5	109.7	101.0	99.9
7.	July	102.2	102.5	95.8	111.6	114.0	102.0	102.1
8.	Aug.	106.6	111.0	108.8	116.8	110.4	101.9	105.2
9.	Sept.	112.1	120.3	122.0	119.8	114.3	103.5	107.3
10.	Oct.	111.6	117.9	133.0	91.0	101,1	104.9	108.2
11.	Nov.	119.2	130.5	144.1	113.7	104.1	107.0	105.5
12.	Dec.	122.1	135.0	150.6	117.9	101.2	108.3	106.1
	1948	*****	20010					
13.	Jan.	124.5	138.0	158.4	114.0	96.7	110.0	109.1
14,	Feb.	123.7	131,1	146.0 .	114.6	99.0	115.7	114.2
15.	Mar.	132.9	146.2	164.4	121.5	114.0	118.7	118.6
16.	Apr.	132.8	146.3	172.6	117.3	90.0	118.3	118.2
17.	May	135.2	152.6	177.6	126.1	97.4	116.6	116.7
18.	June	127.6	138.0	149.3	135.1	99.4	116.4	119.7
19	July	125.6	135.3	143.0	142.8	94.6	115.2	
20.	Aug.	136.6	153.0	167.0	155.4	95.9	119.1	127.9
21,	Sept.	132.8	145.4	155.7	150.5	98.1	119.3	128.7
22.	Oct.	130.8	141.6	151.1	146.7	97.3	119.3	128.1
23.	Nov.	136.9	151.0		163.9	99.3	122.0	128.8
24.	Dec.	119.2	115.3	100.7	162.9	98.7	123.3	130.0
17.2.0	1949	****	22010		20000			
25.	Jan.	127.4	123.9	117.1	152.9	106.0	131.1	133.1
	Feb.	128.8	124.1	117.7	159.6	94.5	133.8	138.3
		120.8		91.8	168.1		132.1	
28.	Apro		95.5			96.1		
29.			96.8					
30.	*	109.5		61.2	188.0	88.6		
31.		108.2		56.4		94.9		
32.	Aug.	104.1				92.2		
33.	Sept. (Rev.,)		84.4	45.0	178.4	90.2	122.1	
	-							
34.	Oct. (Prel.)	100.5	81.3	43.0	172.6	88.4	121.0	135.0

in all Manufacturing Industries, January 1947 - October, 1949 (Concl'd.)

on the estimated current value on physical stocks)

(1947 Average = 100)

				PRODUCERS	MATERIA	I.S		
Good Agricultural Implements	s Other	Total	Iron and Steel	Non- Ferrous Metal	Coke and Gas	Acids Alkalies and Salts	Other	
89.5	84.5	91.0	89.6	93.7	86.4	92.6	91.6	1
91.7	89.0	88.2	88.3	91.5	68.3	90.6	89.7	2
97.0	92.1	87.5	90.0	92.7	51.2	90.5	87.5	3
109.7	91.9	87.9	92.4	92.0	51.4	89.7	86.2	4
100.4	96.2	90.3	95.4	92,4	67.1	96.2	85.6	5
102.5	102.3	94.6	99.0	96.6	78.8	100.7	89.3	6
101.0	103.7	99.0	103.7	101.8	79.5	101.4	93.7	7
93.5	108.7	104.8	106.8	105.7	108.7	106.1	99.7	8
95.1	107.8	109.1	106.8	108.0	130.9	106.3	108.3	9
97.4	109.4	113.4	106.7	108.8	155.1	105.3	118.0	10
108.7	109.4	116.6	108.7	108.5	172.3	110.1	122.9	11
113.5	105.1	117.8	112.8	108.4	150.2	110.7	127.4	12
114.8	102.2	115.3	113.7	106.6	119.0	110.3	126.6	13
123.9	102.3	114.0	114.9	107.5	93.2	109.8	125.7	14
123.5	107.1	112.7	114.9	108.8	67.8	106.5	126.1	15
124.1	104.7	113.6	119.3	111.1	51.4	110.3	124.3	16
122.3	102.2	117.1	124.0	112.4	70.4	111.6	124.9	1
115.3	105.3	121.8	127.8	118.7	88.2	116.3	125.5	18
106.7	103.3	126.3	129.9	126.9	98.2	115.9	129.5	19
110.9	102.0	132.6	132.6	130.0	136.4	118.1	137.1	20
109.4	103.6	134.6	127.8	134.2	173.9	124.2	138.2	2
111.9	100.1	138.6	130.0	137.2	192.4	128.4	142.1	27
116.9	105.4	141.3	130.1	138.6	207.0	130.9	147.0	2
118.8	105.6	141.7	133.5	141.5	176.1	130.1	143.9	24
1 7 7 7	2000	140 7	140,4	142.8	143.0	131.3	147.7	25
137.7	106.6	142.3	141.4	136.6	115.1	126.1	142.2	2
134.6	112.8			138.5	94.5	119.9	141.0	2
129.1	116.4	136.6	142.0	134.3	108.3	118.3	135.4	2
126.4	112.7	137.0					128.0	2
120.9	115.5	138.8	153.0	131.0	146. 6 1 70.7	122.2 129.5	129.5	3
110.4	117.7	143.6	159.2	132.1			132.7	3
103.4	111.5	146.5 141.1	162 。9 156 。6	133. 0 131.4	174.5 144.3	134.8 128.6	132.0	3
103.8	101.0	144.5	150.4	131.6	177.9	1.26, 9	144.8	3
104.4	102.7	137.6	144.7	129.4	156.3	131.3	134.1	3

Section 2

MONTHLY INDEXES OF INVENTORIES AND SHIPMENTS OF REPORTING FIRMS, BY INDUSTRIES

Data available from the sample monthly survey of shipments and inventories of manufacturing industries are incorporated, insofar as inventories are concerned, into Table 1, but it has been thought advisable to show individual industries wherever possible. Since this is a sample survey, covering only selected firms in a special group of industries, the dollar values actually reported by the firms have been converted into index numbers representative of industries, or groups of industries, the base being the average 1947 values reported. The index presentation avoids the possibility that dollar value totals for firms might be mistaken for dollar value totals for industries. However, when considering the series presented hereinafter, in Table 2, it must be borne in mind that the divisions are industry divisions, and not commodities, i.e., the Wool Cloth Industry does not represent the shipments and inventories of Wool Cloth only, but all commodities involved in the activities of firms whose major product is Wool Cloth.

Also, it must be emphasized most particularly that the index numbers shown in this series are based on the dollar values of inventories held, not on actual physical quantities. Even apart from the fact that dollar values are required by economists interested in investment in inventory, it is obvious that the value approach is the only practical one, considering the wide range of commodities held by manufacturers in all stages from raw materials to finished products ready for sale. However, the value of commodities in stock is the result not only of raw material costs, but also of the cost of making them. Thus, if prices or labour costs rise the value of the goods held increases, even though the quantity may remain the same. Therefore, changes shown from month to month by the index numbers represent not only quantity changes but also the changes in the value of each item included. The only indication of the extent to which values of items have changed is the trend shown by the index of prices published in the "Canadian Statistical Review".

The Bureau is at present attempting to devise a means of deflating the inventory series in order that quantity changes may be reflected more accurately. For those interested in this problem, some of the factors which must be taken into consideration may be noted. While each industry has its own average turnover rate which can be estimated roughly, it is difficult to estimate a rate which can accurately be applied to raw materials, goods in process and finished goods. Moreover, all firms within a given industry do not value inventories on the same basis, the most common methods being lower of cost or market and standard cost. These considerations make it difficult to determine the length of time necessary before a change in wholesale prices will be reflected in inventory values. Added to this is the fact that the wholesale price index and the index of inventory values are compiled differently. The wholesale price index is computed from selling prices, and weighted according to quantities sold; while, as noted above, most firms report inventories at some variation of cost and the index is automatically weighted according to quantities held.

Table 2. - Index of All Firms Reporting, by Industries

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value		Value	of Invento	rv
Industry and Month	of		Raw	Goods in	Finished
	Shipments	Total	Materials	Process	Products
VEGETABLE PRODUCTS					
Biscuits, Confectionery, Cocoa					
and Chocolate Industry	155 0	110.0	100 0	3 51 0	01.0 0
October, 1948	155.9	148.0	133.3	154.2	212.7
September, 1949 (Revised) October, 1949	164.4	135.1 136.4	111.2	171.8 169.1	221.2
00000001, 1747	TOT:0	130.4	IIV.4	107.1	K)4.9
Miscellaneous Foods Industry					
October, 1948	116.4	88.0	89.6	132.0	81.7
September, 1949 (Revised)	129.0	85.7	96.8	113.0	58.7
October, 1949	133.4	85.2	96.3	117.8	57.7
Rubber Goods Industry					
October, 1948	123.8	121.2	91.4	112.2	147.9
September, 1949 (Revised)	107.2	114.4	70.8	95.7	154.4
October, 1949	112.2	109.0	68.5	93.9	145.5
TEXTILES AND TEXTILE PRODUCTS					
Cotton Yarn and Cloth Industry					
October, 1948	136.4	94.3	79.0	119.2	107.3
September, 1949 (Revised)	105.1	109.7	72.8	126.7	209.9
October, 1949	100.2	110.4	74.7	125.7	208.8
Voollen Cloth Industry					
October, 1948	117.2	147.1	143.4	145.7	190.5
September, 1949 (Revised)	104.3	150.4	134.7	138.1	381.8
October, 1949	91.4	151.2	140.2	128.8	414.2
Voollen Yarn Industry					
October, 1948	131.4	153.3	131.1	173.7	214.4
September, 1949	134.7	158.7	92.8	212.0	338.6
October, 1949	138.2	156.5	95.0	210.8	313.0

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MONTHLY REFORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2 Index	of All Firms	Reporting, by	Industries - Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

		Value		Value of	Inventory	
Industry and Mo	nth	of Shipments	Total	Raw Materials	Goods in Process	Finished Products
TEXTILES AN PRODUCTS (
Miscellaneous Wool	len Goods Industry					
October,	1948	125.4	122.5		111.5	156.2
	1949 (Revised)	96.9	121.1	108.8	103.8	207.9
October,	1949	100.9	118,6	106,2	109.1	200.2
11 . · · · · · · · · · · · · · · · · · ·	1 Canda Tada cham					
Hosiery and Knitte		146.4	131.4	114.6	140.9	150.0
October, September,	1948	141.3	137.7		135.9	216.9
October,	1949	138.0	130.9		128.5	204.9
,	-,-,					'
Dyeing and Finishi	ng of Textiles					
Industry	Ing OI FORGELOD					
October,	1948	101.2	95.3	78.5	84.6	783.5
September,	1949	74.7	85.6	140.5	22.0	1201.5
October,	1949	79.9	80.9	135.1	19.6	1137.9
Corsets and Founda	tion Garments					
Industry	De l'anna de la la		2	D 50.5	201 0	3/0 0
October,	1948	85.4	120.4		106.8	160.3
September,		113.8	142.9		93.7 96.9	221.5
October,	1949	105.1	145.2	-47+7	70.7	2)100
	Mature Turbucher					
Cordage, Rope and October,		82.1	171,5	248.8	94.7	139,6
September,	1949	206.8	121.0		103.5	96.7
October,	1949	105.5	118.2		113.4	96.6
0.000.019	- /- /					
Cotton and Jute Ba	gs Industry					
October,	1948	85.6	114.5		56.5	212.2
September,	1949	73.1	90.5		57.7	161.5
October,	1949	87.2	84.3	78.8	71.1	157.2

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.	947	A		and the second			$\cap \cap$	ъ.
- 1	4117	AV	10112	17.64	-dpdar	-		. 2

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MONTHLY REPORT OF INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries - Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value		Value of	Inventor	y
Industry and Month	of Shipments	Total	Raw Materials	Goods in Process	
TEXTILES AND TEXTILE PRODUCTS (Cont'd.)					
Miscellaneous Textiles Industry					
October, 1948	135.8	132.7	142.2	122.3	123.3
September, 1949	160.6	127.1	113.0	150.2	133.2
October, 1949	144.5	129.1	114.6	152.5	135.9
(Includes the following Industri Carpets, Mats and Rugs; Real and Artificial Silk; Gloves and Mitt Fabric; Clothing, Men's Factory; Clothing, Women's Factory; Oiled and Waterproofed Clothing; Hats and Caps; Awnings, Tents and Sails; Narrow Fabrics)	d tens ;				
October, 1948 September, 1949 (Revised) October, 1949	127.1) 144.6 131.8	111.6 134.0 133.9	113.3 116.9 117.9	119.5 150.4 151.8	105.7 186.7 180.7
WOOD AND PAPER PRODUCTS					
Planing Mills, Sash and Door Fac	ctories				
October, 1948	159.7	131.8	121.5	128.7	291.0
September, 1949	176.9	140.5	138.6	111.0	184.0
October, 1949	169.3	129.7	127.1	136.0	153.8
Furniture, Upholstering, Cabinet					
Making Industry October, 1948	127.4	121.0	112.3	124.6	149.1
September, 1949 (Revised)		143.3		161.7	229.6
September, 1949 (nevised)			/-/	T () T + 1	K.K.7 . U

Table 2. - Index of All Firms Reporting, by Industries - Cont'd.

((NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

		Value		Value of	Inventory	
Industry and Month		of Shipments	Total	Raw Materials	Goods in Process	Finished Products
IRON AND I	TS FRODUCTS					
Primary Iron and	Steel Industry					
(includes Pig Iro and Castings; Rol Products; and Fer	led Iron and St					
October,	1948	146.0	155.4	175.1 180.1	126.8	120.2
October,	1949 (Revised) 1949	145.1 143.8	176.2	178.4	173.0 165.5	167.2 148.4
Iron Castings and	Rongings Indus	t 1997				
October,	1948	155.4	140.8	166.6	122.4	127.5
September, October,	1949 (Revised) 1949	157.1 153.0	166.0 157.8	176.5 164.3	122.9 128.1	155.7 141.5
Boilers, Tanks an	d Plate Work					
Industry	A I HOU HOIN					
October,	1948	155.1	99.4	102.5	85.7	126.1
September, October.	1949 1949	166.3 143.0	106.8	113.6	72.1 75.0	205.1 191.3
October,	1949	143.0	100.4	(, (11	73.0	171.)
Agricultural Impl	ements Industry					
October,	1948	148.0	111.9	105.5	100.2	130.1
	1949 (Revised)	132.1	103.8	80.5	96.7	140.8
October,	1949	134.6	104.4	79.8	96.8	143.6
Office, Household Machinery Industr						
October,	1948	146.2	128.1	125.2	134.0	120.4
September,		142.5	137.7	133.7	125.3	159.1
October.	1949	140.5	135.0	175.5	79.5	180.8

Table 2. - Index of All Firms Reporting, by Industries, Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specifix Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value	1	Value.of Inv	ventory	
Industry and Month	of Shipments	Total	Raw Materials		Finished Products
IRON AND ITS PRODUCTS (Cont'o	i.)				
Automobile Industry October, 1948 September, 1949 (Revised) October, 1949	119.7 155.4 144.3	118.7 122.5 122.7	125.3 107.4 106.8	115.7 111.0 117.6	120.4 139.1 132.3
Automobile Supplies Industry October, 1948 September, 1949 October, 1949	83.6 177.1 146.5	104.9 110.5 111.1	110.1 113.8 115.1	82.0 89.6 90.3	117.0 123.8 123.1
Shipbuilding and Repairs Industry October, 1948 September, 1949 (Revised) October, 1949	217.2 68.1 128.9	151.1 45.4 43.0	118.7 80.3 80.4	155.2 36.0 32.9	-
Aircraft and Aircraft Parts Industry October, 1948 September, 1949 (Revised) October, 1949	348.4 372.6 347.4	97.3 90.2 88.4	129.6 106.9 106.4	134.8 99.0 91.3	42.9 64.7 64.6
Railway Rolling Stock and Equipment October, 1948 September, 1949 (Revised) October, 1949	279.9 226.5 259.1	146.7 178.4 172.6	140.3 144.6 143.5	239.7 340.1 321.8	95.6 166.5 154.8

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MONTHLY REFORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries - Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry.

Industry and Month		Value	Value of Inventory				
		of Shipments	Total	Raw Materials	Goods in Process	Finished Products	
IRON AND ITS	PRODUCTS (Concl.	d.)					
ire and Wire Goo	ds Industry						
October, 1	948	134.5	124.7	122.4	126.0	127.1	
September, 1	949 (Revised)	134.5	133.1	122.3	82.3	153.3	
October, 1	949	121.9	135.1	118.4	93.0	159.6	
neet Metal Produ	cts Industry						
	948	131.0	102.4	109.7	105.8	89.7	
	949	191.4	122.9	130.6	142.2	103.4	
• /	949	133.7	116.9	125.5	134.6	96.3	
October, 1 September, 1	nd Cutlery Indus 948 949 (Revised) 949	try 124.3 130.5 117.2	118.4 139.5 139.2	119.9 126.3 124.7	113.2 130.5 129.6	123.3 173.1 175.0	
ridge Building a teel Industry		220.7	115.3	120.4	114.0		
-	.948 .949	128.1	139.8	176.9	130.1		
*	949	126.8	139.1	174.2	129.9	63	
ron and Steel Pr iscellaneous Includes the fol ries: Bicycles; ooking Apparatus nd Steel Product	lowing Indus- Heating and						
	.948	133.8	130.4	113.0	122.0	167.	
	949 (Revised)	158.3	146.8	135.8	155.0	156.	
acheamort a	.949	154.5	149.2	137.4	157.0	161.	

(1947 Average = 100)

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MONTHLY REFORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries, Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value	Value of Inventory				
Industry and Month	of Shipments	Total	R <mark>aw</mark> Materials	Goods in Process	Finished Products	
MANUFACTURES OF NON-FERROUS META	LS					
Brass and Copper Products Indust October, 1948 September, 1949	121.9 101.6	120.5	127.9	112.4 108.7	113.5 109.8	
October, 1949	105.2	94.6	86.8	105.4	112.1	
Jewellery and Silverware Industr October, 1948	<u>v</u> 118.3	99.4	58.7	126.0	117.4	
September, 1949 (Revised) October, 1949	130.0 139.9	104.8	64.1 62.9	125.0 127.6	138.7 130.3	
Electrical Apparatus and Supplie Industry	8					
October, 1948 Scptember, 1949 (Revised) October, 1949	123.4 141.8 132.2	114.4 108.6 106.3	100.6 93.6 90.8	111.2 97.7 97.1	137.5 15 3.2 147.7	
Non-Ferrous Metal Smelting and Refining Industry						
October, 1948 September, 1949 (Revised) October, 1949	141.8 129.3 130.9	142.0 154.1 154.5	144.9 165.4 163.7	115.7 112.7 114.2	173.5 186.6 190.6	
Others						
(Includes the following industri Aluminum Products; and White Met Alloys)						
October, 1948 September, 1949 October, 1949	130.6 111.1 105.1	132.1 108.4 105.1	185.9 132.0 124.9	145.1 106.4 112.6	89.7 89.4 86.8	

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MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries - Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value	Value of Inventory					
Industry and Month	of Shipments	Total	Raw Materials	Goods in Process	Finished Products		
NON-METALLIC MINERAL PRODUCTS							
Asbestos Products							
October, 1948	180.7	158.6	161.2	73.4	191.9		
September,1949	129.8	115.2	108.5	164.6	111.8		
October, 1949	119.0	116.1	107.3	166.9	115.1		
Artificial Abrasives and Abras	ive						
Products Industry					24.0		
October, 1948	129.4	119.8	135.7	119.6	96.9		
September, 1949	106.0	120.8 122.6	129.1 129.9	92.6 97.9	110.6		
October, 1949	(2+2	122.0	127.7	71.7	11).0		
Other Non-Metallic Mineral Pro Industries (Includes the following indust Coke and its By-Products; Illu ting and Fuel Gas; Clay Produc Imported Clays; Plate, Cut and mental Glass; Pressed and Blow Glass; and Miscellaneous Non-M Mineral Products)	ries; mina- ts from Orna- n						
October, 1948	139.0	184.9	185.4	231.5	172.0		
September, 1949 (Revised) October, 1949	126.4 138.0	160.9 143.7	151.7 134.5	58.0 55.1	251.9 230.5		
CHEMICALS AND ALLIED PRODUCTS							
Acids, Alkalies and Salts Indu			12-13-044				
October, 1948	119.7	128.4	136.9	93.4	109.3		
September, 1949	112.2	126.9	109.9	115.5	166.4		
October, 1949	108.5	131.3	114.4	120.1	170.7		

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MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries - Cont'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value	Value		Value of Inventory		
Industry and Month	of Shipments	Total	Raw Materials		Finished Products	
CHEMICALS AND ALLIED PRODUCTS (Concl'd.)				•		
Fertilizers Industry						
October, 1948 September, 1949 October, 1949	39.3 76.3 39.7	136.7 120.1 149.9	119.6 120.1 135.0	185.1 136.7 185.7	101.0 89.2 119.8	
Medicinal and Pharmaceutical						
Preparations Industry October, 1948 September, 1949 (Rev October, 1949	108.7 rised) 126.4 116.8	101.6 99.6 98.3	99.3 89.1 88.5	121.5 120.7 113.3	96.2 103.7 104.2	
Paints, Figments and Varnishe	25					
Industry October, 1948	108.4	164.0	128.5	158.9	209.3	
September, 1949 (Rev October, 1949	ised) 118.9 119.6	136.1 142.3	104.6 113.3	128.0 119.9	177.6 184.9	
Soaps and Toilet Freparations						
Industry October, 1948 September, 1949 (Rev October, 1949	157.7 rised) 140.5 129.1	142.4 101.3 105.9	141.7 89.1 89.8	167.2 96.5 106.9	132.9 129.6 139.8	
Miscellaneous Chemicals Indus	stries					
(Includes the following Indus Compressed Gases; Adhesives; Plastics, Matches; Folishes a Dressings; and Miscellaneous Chemical Products)	stries:					
October, 1948	134.5 ised) 144.2 144.1	122.1 163.3 122.4	121.1 167.1 104.6	112.0 222.2 227.7	125.9 146.6 143.5	

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MONTHLY REPORT ON INVINTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, OCTOBER, 1949

Table 2. - Index of All Firms Reporting, by Industries - Concl'd.

(NOTE: The Indexes given below do not represent Total for the Industry, nor specific Commodities, but relate only to the value of total inventories and shipments of firms reporting in each Industry)

	Value		Value of Inventory				
Industry and Month	of Shipments	Total	Raw Materials	Goods in Process	Finished Products		
MISCELLANEOUS INDUSTRIES							
Miscellaneous (includes the follow- ing industries: Brooms, Brushes and Mops, Mattresses and Springs; Musical Instruments and Materials; Fountain Fens and Fencils, Automobile Access- ories, Fabric; and Scientific and Professional Equipment)							
October, 1948 September, 1949 (Revised) October, 1949	103.3 112.4 101.0	96.0 91.9 92.8	97.0 85.1 88.6	85.6 92.1 70.7	105.4 109.9 132.6		

(1947 Average = 100)

(December, 1946 = 100)

FLOUR AND FEED

This industry was not included in the series during 1947, and average 1947 values are, therefore, not available. Indexes are based on December, 1946.

September, 1949 (Revised)	200.0	232.5	195.0	-	431.9
October, 1949	201.6	248.4	205.2	-	461.1



