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Government of Canada

MONTHLY REPORT
ON
INVENTORIES & SHIPMENTS
BY
MANUFACTURING INDUSTRIES
JULY, 1949



DOMINION BUREAU OF STATISTICS
DEPARTMENT OF TRADE AND COMMERCE

MONTHLY REPORT
ON
INVENTORIES & SHIPMENTS
BY
MANUFACTURING INDUSTRIES
IN CANADA (EXCLUDING NEWFOUNDLAND)
JULY, 1949

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Minister of Trade and Commerce

Prepared in the General Manufactures Section,
of the Industry and Merchandising Division,
Dominion Bureau of Statistics, Ottawa

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. 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. July 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.

(4) Charts showing (a) the actual levels of values of shipments and inventories in all reporting firms, and in breakdowns of reporting firms by economic use groupings, and (b) relationships of value of inventory held at the end of the month to value of the month's shipments for the same groupings. These charts cover the period from January 1947 to June 1949.

It must be emphasized that all the above tables and charts are based on values of inventories and shipments. Apart from the fact that knowledge of trends in the value 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 July:

Total inventory value appears to have risen slightly during July, the preliminary index standing at 131.6 per cent of the average 1947 value, as against 130.5 (revised) at the end of June. This is 2 per cent below the high reached in February, but 5.7 per cent above the level of July, 1948. Of the main industry groupings, inventory values in the consumer goods industries remained at approximately the same level as last month, and the index, at 127.3, is 5.2 per cent above last year's level. In the capital goods industries, inventory values fell by 1.2 points in July to reach 108.3; the index is 20 per cent below the high reached last November and 14 per cent below July 1948. Value of stocks in the producers' goods industries rose by 2.9 points to reach a new high for this group at 146.5, which is 16 per cent above last year's level. Inventories in the construction goods industries appear to have risen by 10.6 points, to reach a new high at 179.7, 21 per cent above July 1948 - figures for sawmills, the largest component of this 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 1.3 points in July. The food industries, largest component of this group, rose very slightly in total, with large seasonal changes occurring in individual industries. The fruit and vegetable preparations industry and fish curing and packing industry showed increases, while the sugar refineries, slaughtering and meat packing and dairy products industries declined. Value of stocks in the majority of food industries is above last year's level, but in the slaughtering and meat packing and dairy products industries the level is 42 and 47 points below July 1948. Inventories in the tobacco and beverages group rose by 1.5 points, with a seasonal drop in breweries stocks and a seasonal increase in the tobacco industry. The group index is 22 points above last year's level. Stocks in the petroleum products industry rose by 20 points, and the feed and flour and pulp and paper industries showed seasonal declines. Here, again, inventory levels are above those of July, 1948, in all cases, but in the pulp and paper industry the difference is only 2 points. In the semi-durable consumers' goods group, there was a fractional decline in inventory values, with no large changes in any of the industries. Durable consumers' goods industries showed a 2 point drop, the largest changes being declines of 8 and 6 points in the automobile and automobile supplies industries, and an increase of 10 points in the heating and cooking apparatus industry.

In the capital goods industries, the transportation equipment industries remained almost unchanged in total, although there was a 5 point drop in shipbuilding inventories and a 6 point rise in the aircraft industries. This group of industries is a special case, since inventory represents almost the entire value of current production up to the point where major deliveries are made. Of the other large industries in the capital goods group, the boilers tanks and plateworks industry showed a 6 point drop and stocks in the agricultural implements industry fell seasonally by 7 points.

In the producers' goods industries, the iron and steel group rose by 4 points. Within this group, the iron castings and forgings industry fell by 7 points and primary iron and steel rose by 12 points. The non-ferrous metals group remained almost unchanged. The fertilizers industry showed a seasonal increase of 17 points. The other large industries in this group did not show any important changes from the June levels.

In the construction goods industries, planing mills showed a 6 point rise, and the cement industry declined seasonally by 23 points. Other industries remained little changed except sawmills where the trend is upward, although complete figures are not yet available.

The great majority of industries for which figures are available show noticeable declines in shipments during July. This is accounted for in most cases by annual holiday periods.

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

Section I

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

The estimates in Table I 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 I 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.

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

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

(Estimates based on a sample of reporting firms and

(1947 Average = 100)

MONTH	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	NON-	
	ALL INDUSTRIES	CONSUMERS' GOODS	CAPITAL GOODS	PRODUCERS' MATERIAL	CONSTRUCTION MATERIAL	TOTAL	FINISHED GOODS
<u>1947</u>							
1. Jan.	86.2	87.1	78.5	91.0	82.6	88.4	86.2
2. Feb.	87.9	89.0	81.2	88.2	89.3	89.6	87.0
3. Mar.	89.5	90.5	85.2	87.5	91.3	90.0	88.0
4. Apr.	92.6	94.0	90.4	87.9	92.5	92.7	91.4
5. May	94.8	97.1	92.8	90.3	86.8	96.0	96.5
6. June	98.6	100.2	98.1	94.6	92.7	98.8	100.3
7. July	101.7	101.9	102.2	99.0	103.2	100.2	103.2
8. Aug.	104.0	102.6	106.6	104.8	109.5	100.3	104.2
9. Sept.	106.5	104.1	112.1	109.1	113.2	102.1	105.7
10. Oct.	108.2	106.2	111.6	113.4	112.4	105.0	106.6
11. Nov.	112.9	110.5	119.2	116.6	116.0	112.6	112.4
12. Dec.	116.2	115.5	122.1	117.8	110.2	118.1	115.5
<u>1948</u>							
13. Jan.	118.7	118.7	124.5	115.3	114.6	123.9	120.7
14. Feb.	119.4	119.0	123.7	114.0	124.9	122.2	117.6
15. Mar.	120.7	118.9	132.9	112.7	130.4	121.2	116.7
16. Apr.	120.4	118.1	132.8	113.6	132.4	119.4	116.3
17. May	122.1	118.8	135.2	117.1	137.1	120.3	120.3
18. June	122.9	120.1	127.6	121.8	141.4	121.4	122.5
19. July	124.4	121.0	125.6	126.3	148.0	122.2	125.0
20. Aug.	126.5	120.1	136.6	132.6	153.6	121.0	124.2
21. Sept.	126.7	120.2	132.8	134.6	157.4	122.4	124.1
22. Oct.	127.1	121.6	130.8	138.6	146.6	127.8	127.5
23. Nov.	128.0	123.5	136.9	141.3	126.7	131.6	129.1
24. Dec.	130.0	126.8	119.2	141.7	155.3	135.2	131.3
<u>1949</u>							
25. Jan.	131.2	127.4	127.4	142.3	151.1	133.9	134.1
26. Feb.	134.2	130.3	128.8	137.6	172.7	136.1	136.3
27. Mar.	133.3	130.3	120.8	136.6	173.0	134.1	135.8
28. Apr.	130.5	129.6	111.9	137.0	156.9	133.0	134.5
29. May	131.9	129.3	112.9	138.8	172.0	132.0	136.3
30. June (Rev.)	130.5	127.2	109.5	143.6	169.1	127.3	131.8
(Preliminary)							
31. July	131.6	127.3	108.3	146.5	179.7	128.6	135.4

MONTHLY REPORT INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY 1949

held in all Manufacturing Industries, January 1947 - July 1949

on the estimated current value of physical stocks)

(1947 Average = 100)

DURABLE CONSUMERS' GOODS

Food	Tobacco and Beverages	Drugs	Petroleum Products	Other	TOTAL SEMI-FINISHED GOODS	Pulp and Paper Mills	Feed and Flour	Other	
82.7	91.2	88.8	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.
103.7	100.0	109.1	104.9	104.0	92.2	94.2	88.6	92.9	7.
111.4	91.2	107.5	109.7	104.6	89.9	91.1	91.6	88.9	8.
114.0	93.3	103.3	109.7	104.2	92.5	92.0	100.1	93.2	9.
115.6	94.5	99.3	111.4	103.1	100.6	99.3	109.0	103.1	10.
126.7	96.0	93.3	116.7	106.2	113.1	110.1	129.2	116.3	11.
125.8	107.9	94.9	115.6	105.5	125.1	119.3	146.8	133.5	12.
129.4	119.2	100.8	113.2	108.0	132.7	128.9	142.7	143.1	13.
114.3	130.1	100.9	111.5	107.6	134.8	133.2	136.9	144.0	14.
109.3	131.1	101.7	114.6	110.3	133.8	135.5	124.8	140.6	15.
107.8	128.2	103.5	122.9	110.8	127.9	132.3	108.8	133.4	16.
115.0	126.3	105.5	131.6	114.7	120.4	125.8	96.4	126.3	17.
121.4	125.9	106.9	128.5	115.3	118.3	124.0	89.2	126.5	18.
122.7	121.7	107.2	145.1	125.0	114.6	120.2	84.4	123.6	19.
123.7	115.7	108.1	152.7	121.9	112.5	116.4	97.3	116.1	20.
126.1	111.6	102.7	158.0	119.5	117.9	117.5	119.8	123.1	21.
130.6	115.6	101.6	161.1	120.3	128.6	125.6	140.0	135.6	22.
127.9	120.2	100.8	169.7	123.5	138.5	131.7	164.2	138.5	23.
121.7	131.7	105.2	170.2	128.4	146.5	140.6	168.5	155.4	24.
118.6	143.5	107.6	165.3	139.1	147.1	140.7	160.0	157.7	25.
115.7	155.5	108.7	158.7	143.4	149.7	140.8	173.8	159.7	26.
112.9	158.5	110.2	156.9	143.1	142.9	139.5	142.4	153.6	27.
113.2	152.6	109.7	162.3	140.0	142.6	137.2	150.4	150.4	28.
136.3	150.5	107.2	167.7	136.6	133.9	127.9	155.9	136.8	29.
131.8	142.7	105.9	159.2	125.1	109.5	127.8	147.8	115.4	30.
135.4	144.2	107.0	179.8	127.3	105.3	122.3	143.2	112.1	31.

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

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

(Estimates based on a sample of reporting firms and

(1947 Average = 100)

MONTH	SEMI-DURABLE CONSUMERS' GOODS								
	TOTAL	TOTAL FINISHED GOODS	Rubber	Clothing	Leather Foot-wear	Other	SEMI-FINISHED GOODS	Tex-tiles	Leather Tanneries
<u>1947</u>									
1. Jan.	84.2	84.0	78.9	84.1	92.5	85.6	84.6	85.7	79.0
2. Feb.	87.5	87.9	86.8	87.2	93.4	88.9	86.8	88.1	80.4
3. Mar.	91.3	91.5	99.3	87.6	100.6	92.3	90.9	92.2	83.9
4. Apr.	95.6	97.3	106.7	94.0	102.4	96.0	92.4	93.2	88.1
5. May	98.8	99.8	109.0	96.8	103.4	98.2	97.0	98.5	89.6
6. June	102.6	102.3	107.0	101.7	105.3	100.8	102.2	104.3	91.7
7. July	105.3	106.4	104.6	107.2	111.3	102.9	103.2	104.9	94.6
8. Aug.	104.5	106.1	102.4	107.7	111.4	101.6	101.3	102.8	93.7
9. Sept.	105.2	106.7	100.0	107.7	118.4	104.8	102.3	104.7	89.9
10. Oct.	107.4	108.2	98.8	108.5	126.3	109.5	105.7	105.6	106.1
11. Nov.	108.7	106.6	100.7	104.5	127.9	111.3	112.8	108.3	135.1
12. Dec.	115.4	112.7	105.3	113.0	129.7	111.6	120.7	111.1	168.2
<u>1948</u>									
13. Jan.	113.8	107.5	116.5	101.6	118.7	110.6	126.1	114.2	184.5
14. Feb.	115.2	110.8	125.7	104.8	117.3	113.1	123.8	110.5	189.6
15. Mar.	117.3	112.3	131.3	105.9	110.8	114.9	127.2	116.5	179.6
16. Apr.	116.3	113.1	136.4	106.0	107.7	115.7	122.5	115.0	159.8
17. May	117.8	115.1	139.9	108.3	106.1	116.1	123.2	119.7	139.9
18. June	120.4	119.9	140.4	112.5	108.4	116.9	122.9	121.7	128.5
19. July	122.5	120.6	139.4	116.7	108.7	119.2	126.0	123.4	138.6
20. Aug.	120.2	118.6	133.9	115.2	110.2	117.6	123.1	118.9	144.1
21. Sept.	118.6	115.0	128.6	110.9	108.9	117.9	125.7	120.1	153.0
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
<u>1949</u>									
25. Jan.	123.0	120.5	131.4	115.1	123.5	128.3	127.9	125.9	148.8
26. Feb.	127.3	125.8	136.4	121.3	125.7	132.3	130.1	127.9	140.5
27. Mar.	130.1	126.8	139.7	122.2	119.6	133.6	136.3	135.4	141.0
28. Apr.	128.1	124.8	138.2	120.8	113.5	130.9	134.5	134.4	134.9
29. May	129.2	125.1	137.3	122.7	108.4	128.9	136.9	136.9	137.2
30. June (Rev.) (Preliminary)	131.9	128.3	131.1	130.2	112.6	125.4	138.7	139.5	134.7
31. July	131.4	127.8	128.4	130.7	113.6	123.3	138.2	138.9	134.7

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

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

on the estimated current value of physical stocks)

(1947 Average = 100)

DURABLE CONSUMERS' GOODS									
TOTAL FINISHED GOODS	TOTAL	Autos and Bicycles	Electrical Apparatus	Furniture	Hardware	Other	TOTAL SEMI-FINISHED GOODS	Auto Supplies	
86.8	86.1	88.6	83.5	86.7	87.2	88.5	93.6	93.6	1.
89.1	88.8	88.1	87.2	92.1	89.7	90.9	93.0	93.0	2.
90.9	90.5	87.4	90.4	90.7	91.0	94.1	94.6	94.6	3.
95.1	95.1	90.5	94.4	97.8	95.5	100.1	95.9	95.9	4.
97.7	97.6	94.8	96.7	102.0	97.0	100.9	98.5	98.5	5.
101.0	101.2	99.9	100.8	106.0	98.0	102.5	99.2	99.2	6.
102.2	102.9	99.9	103.9	106.2	102.1	102.4	95.3	95.3	7.
106.1	106.4	108.1	106.5	104.7	104.7	105.7	103.7	103.7	8.
107.8	108.1	111.0	109.0	102.8	106.3	106.2	105.3	105.3	9.
107.0	107.0	110.7	107.9	101.8	106.6	103.6	107.0	107.0	10.
107.4	107.3	108.2	109.3	102.6	109.9	102.8	108.3	108.3	11.
108.7	109.0	112.5	110.4	106.5	111.3	102.0	105.8	105.8	12.
111.6	111.5	122.3	112.0	107.2	111.9	100.1	112.3	112.3	13.
115.6	115.8	128.4	114.5	109.8	114.7	108.1	113.5	113.5	14.
114.6	114.9	126.3	112.4	110.7	113.7	110.5	112.3	112.3	15.
116.8	117.7	125.9	118.9	112.9	114.5	109.9	107.9	107.9	16.
116.2	117.4	124.0	118.6	116.0	114.4	109.2	104.1	104.1	17.
116.6	118.2	121.4	121.4	117.3	114.6	109.2	101.0	101.0	18.
116.1	117.8	117.7	121.1	118.8	114.6	111.1	99.5	99.5	19.
117.5	118.8	122.1	120.2	118.2	116.9	113.3	103.7	103.7	20.
116.4	117.7	123.3	116.8	116.3	119.9	112.9	103.6	103.6	21.
113.9	114.8	119.5	114.4	113.6	118.4	109.2	104.9	104.9	22.
113.9	114.4	111.9	111.7	113.9	118.1	106.4	109.3	109.3	23.
115.1	115.4	101.7	124.0	119.4	122.5	105.6	112.6	112.6	24.
115.5	115.1	112.9	115.0	123.4	124.7	108.9	119.9	119.9	25.
118.9	118.6	123.5	115.3	129.2	126.2	111.2	122.0	122.0	26.
120.8	120.3	128.1	116.0	130.7	129.6	111.2	126.0	126.0	27.
122.6	122.3	128.5	115.8	133.8	130.5	120.5	125.7	125.7	28.
122.4	122.5	126.2	116.3	134.4	133.3	121.2	121.6	121.6	29.
121.2	121.9	123.2	116.2	135.5	130.3	122.5	114.2	114.2	30.
119.1	120.1	115.2	115.5	133.9	130.3	124.4	108.5	108.5	31.

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

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

(Estimates based on a sample of reporting firms and

(1947 Average - 100)

MONTH	CAPITAL GOODS						
	TOTAL	Transportation Equipment				All Other Capital	
		Total	Ship- building	Railway Rolling Stock	Air- craft	Total	Machinery
<u>1947</u>							
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
<u>1948</u>							
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	122.9
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	159.3	163.9	99.3	122.0	128.8
24. Dec.	119.2	115.3	100.7	162.9	98.7	123.3	130.0
<u>1949</u>							
25. Jan.	127.4	123.9	117.1	152.9	106.0	131.1	133.1
26. Feb.	128.8	124.1	117.7	159.6	94.5	133.8	138.3
27. Mar.	120.8	110.2	91.8	168.1	92.6	132.1	137.6
28. Apr.	111.9	95.5	63.1	176.6	96.1	129.4	135.0
29. May	112.9	96.8	61.6	185.4	96.5	130.0	138.7
30. June (Rev.) (Preliminary)	109.5	95.9	61.2	188.0	88.6	124.0	133.4
31. July	108.3	94.5	56.4	189.9	94.9	123.1	136.7

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

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

on the estimated current value of physical stocks)

(1947 Average = 100)

PRODUCERS' MATERIALS

Goods			Iron and Steel	Non- Ferrous Metal	Coke and Gas	Acids Alkalies and Salts	Other	
Agricultural Implements	Other	Total						
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	17.
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	21.
111.9	100.1	138.6	130.0	137.2	192.4	128.4	142.1	22.
116.9	105.4	141.3	130.1	138.6	207.0	130.9	147.0	23.
118.8	105.6	141.7	133.5	141.5	176.1	130.1	143.9	24.
137.7	106.6	142.3	140.4	142.8	143.0	131.3	147.7	25.
134.6	112.8	137.6	141.4	136.6	115.1	126.1	142.2	26.
129.1	116.4	136.6	142.0	138.5	94.5	119.9	141.0	27.
126.4	112.7	137.0	147.6	134.3	108.3	118.3	135.4	28.
120.9	115.5	138.8	153.0	131.0	146.6	122.2	128.0	29.
110.4	117.7	143.6	159.2	132.1	170.7	129.5	129.5	30.
103.4	113.7	146.5	163.0	133.0	174.5	133.2	132.8	31.

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

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.

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

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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>VEGETABLE PRODUCTS</u>					
<u>Biscuits, Confectionery, Cocoa and Chocolate Industry</u>					
July, 1948	110.2	136.5	132.3	136.4	153.3
June, 1949 (Revised)	140.7	135.2	104.5	169.1	254.0
July, 1949	119.4	128.5	103.8	170.0	214.8
<u>Miscellaneous Foods Industry</u>					
July, 1948	102.3	107.1	108.6	126.6	101.1
June, 1949 (Revised)	123.6	92.6	101.8	137.3	65.3
July, 1949	97.4	92.7	105.2	140.6	61.4
<u>Rubber Goods Industry</u>					
July, 1948	94.5	139.4	101.7	108.0	178.2
June, 1949 (Revised)	107.6	131.1	76.1	92.7	185.3
July, 1949	87.5	128.4	78.0	88.3	179.2
<u>TEXTILES AND TEXTILE PRODUCTS</u>					
<u>Cotton Yarn and Cloth Industry</u>					
July, 1948	116.9	112.3	109.4	111.3	124.5
June, 1949 (Revised)	115.1	117.0	85.2	134.2	199.3
July, 1949	94.3	116.1	86.9	127.4	198.6
<u>Woollen Cloth Industry</u>					
July, 1948	90.8	132.4	117.0	142.5	195.2
June, 1949	110.6	161.5	140.8	149.9	432.2
July, 1949	94.5	164.8	137.8	152.4	500.7
<u>Woollen Yarn Industry</u>					
July, 1948	92.2	141.5	113.5	169.6	216.3
June, 1949	93.2	186.2	114.5	227.0	407.4
July, 1949	70.2	179.5	109.7	222.0	391.0

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>TEXTILES AND TEXTILE PRODUCTS (Cont'd.)</u>					
<u>Miscellaneous Woollen Goods Industry</u>					
July, 1948	91.7	138.5	141.5	110.9	138.6
June, 1949	99.2	139.7	130.7	106.3	218.3
July, 1949	60.8	138.4	123.6	102.9	252.8
<u>Hosiery and Knitted Goods Industry</u>					
July, 1948	88.1	140.3	114.7	135.3	191.9
June, 1949	112.8	150.8	99.0	142.4	252.3
July, 1949	73.0	151.5	100.5	144.2	250.2
<u>Dyeing and Finishing of Textiles Industry</u>					
July, 1948	61.7	115.4	93.7	114.9	603.5
June, 1949	81.6	108.3	170.4	30.2	155.6
June, 1949	55.9	100.2	156.3	27.1	1,484.8
<u>Corsets and Foundation Garments</u>					
July, 1948	77.3	118.5	121.7	94.4	166.6
June, 1949	101.0	142.2	145.1	96.1	219.7
July, 1949	84.1	145.0	150.0	97.8	214.8
<u>Cordage, Rope and Twine Industry</u>					
July, 1948	192.7	176.1	146.1	103.1	193.6
June, 1949	182.3	154.9	133.4	103.5	167.3
July, 1949	246.6	136.1	142.5	101.5	134.8
<u>Cotton and Jute Bags Industry</u>					
July, 1948	60.3	149.5	146.0	56.5	203.6
June, 1949	60.5	114.2	108.9	32.1	198.2
July, 1949	57.2	104.4	99.5	32.0	183.8

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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).

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>TEXTILES AND TEXTURE PRODUCTS (Concl'd.)</u>					
<u>Miscellaneous Textiles Industry</u>					
July, 1948	95.1	134.5	153.4	117.1	109.8
June, 1949	134.0	130.5	116.5	148.2	145.1
July, 1949	108.7	126.5	118.5	144.2	124.5
<u>Other Textiles Industries</u> (Includes the following Industries: Carpets, Mats and Rugs; Real and Artificial Silk; Gloves and Mittens Fabric; Clothing, Men's Factory; Clothing, Women's Factory; Oiled and Waterproofed Clothing; Hats and Caps; Awnings, Tents and Sails; Narrow Fabrics)					
July, 1948	94.5	119.5	123.4	110.4	128.2
June, 1949 (Revised)	117.4	135.0	122.8	146.7	176.3
July, 1949	96.0	135.9	123.7	145.0	180.9
<u>WOOD AND PAPER PRODUCTS</u>					
<u>Planing Mills, Sash and Door Factories</u>					
July, 1948	133.0	126.2	117.6	109.5	270.8
June, 1949	165.1	139.9	136.4	132.0	189.9
July, 1949	138.4	146.2	144.0	117.0	194.1
<u>Furniture, Upholstering, Cabinet Making Industry</u>					
July, 1948	87.0	122.8	114.0	120.4	163.1
June, 1949 (Revised)	136.2	142.5	121.9	146.6	223.1
July, 1949	95.1	142.2	122.4	144.0	223.8

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>IRON AND ITS PRODUCTS</u>					
<u>Primary Iron and Steel Industry</u> (Includes Pig Iron; Steel Ingots and Castings; Rolled Iron and Steel Products; and Ferro-Alloys)					
July, 1948	126.0	136.6	153.1	120.0	100.4
June, 1949	141.5	172.0	169.2	195.8	159.3
July, 1949	116.3	184.1	182.3	209.4	166.9
<u>Iron Castings and Forgings Industry</u>					
July, 1948	108.4	132.6	147.3	117.2	130.2
June, 1949 (Revised)	151.9	177.0	183.1	121.1	181.9
July, 1949	125.9	170.4	181.7	118.0	167.2
<u>Boilers, Tanks and Plate Work Industry</u>					
July, 1948	98.4	104.5	123.0	86.2	133.2
June, 1949	127.0	126.7	119.1	103.7	219.1
July, 1949	138.7	120.7	126.4	88.6	208.9
<u>Agricultural Implements Industry</u>					
July, 1948	190.6	106.7	107.4	100.8	110.5
June, 1949 (Revised)	225.1	110.4	82.6	97.3	158.3
July, 1949	202.2	103.4	77.2	87.7	151.1
<u>Office, Household and Industrial Machinery Industry</u>					
July, 1948	106.2	122.9	119.1	131.1	113.5
June, 1949	143.2	133.4	138.7	114.4	156.5
July, 1949	114.0	136.7	139.9	121.7	155.6

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>IRON AND ITS PRODUCTS (Cont'd.)</u>					
<u>Automobile Industry</u>					
July, 1948	82.1	116.9	172.9	112.7	107.2
June, 1949	148.4	122.7	108.8	112.5	137.5
July, 1949	131.2	114.6	104.0	103.9	129.2
<u>Automobile Supplies Industry</u>					
July, 1948	83.3	99.5	120.8	44.7	112.3
June, 1949 (Revised)	154.7	114.2	116.7	89.7	132.0
July, 1949	125.8	108.5	110.2	85.3	126.4
<u>Shipbuilding and Repairs Industry</u>					
July, 1948	84.4	143.0	102.0	153.9	-
June, 1949	57.2	61.2	84.1	55.3	-
July, 1949	141.3	56.4	81.4	49.9	-
<u>Aircraft and Aircraft Parts Industry</u>					
July, 1949	343.2	94.6	116.0	105.4	65.5
June, 1949	532.8	88.6	116.1	85.9	56.1
July, 1949	208.0	94.9	115.6	100.6	66.2
<u>Railway Rolling Stock and Equipment Industry</u>					
July, 1948	153.4	142.8	128.0	234.3	120.6
June, 1949	225.5	133.0	143.4	379.2	190.1
July, 1949	139.4	189.9	144.2	376.9	198.7

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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.

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>IRON AND ITS PRODUCTS (Concl'd.)</u>					
<u>Wire and Wire Goods Industry</u>					
July, 1948	101.8	106.1	108.8	96.7	104.6
June, 1949	154.5	129.3	113.4	89.3	152.4
July, 1949	102.8	124.3	115.2	82.0	139.1
<u>Sheet Metal Products Industry</u>					
July, 1948	121.9	127.6	129.9	118.3	129.1
June, 1949 (Revised)	125.6	145.6	150.8	123.5	147.6
July, 1949	126.3	148.5	154.4	142.1	142.9
<u>Hardware, Tools and Cutlery Industry</u>					
July, 1948	103.5	114.6	117.7	110.6	115.6
June, 1949 (Revised)	133.5	130.3	126.7	127.6	140.1
July, 1949	101.0				
<u>Bridge Building and Structural Steel Industry</u>					
July, 1948	192.4	140.1	118.8	145.8	-
June, 1949	147.3	141.7	167.7	134.8	-
July, 1949	101.4	145.0	167.9	139.1	-
<u>Iron and Steel Products Miscellaneous</u>					
(Includes the following Industries: Bicycles; Heating and Cooking Apparatus; and Iron and Steel Products Miscellaneous)					
July, 1948	92.2	130.8	113.0	115.4	176.2
June, 1949 (Revised)	136.9	144.8	126.0	150.3	174.4
July, 1949	101.7	149.8	134.2	145.3	180.3

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Total	Value of Inventory		
			Raw Materials	Goods in Process	Finished Products
<u>MANUFACTURES OF NON-FERROUS METALS</u>					
<u>Brass and Copper Products Industry</u>					
July, 1948	73.5	122.5	125.1	101.5	152.2
June, 1949 (Revised)	87.7	119.6	102.4	131.0	174.4
July, 1949	70.7	114.2	103.7	115.5	159.3
<u>Jewellery and Silverware Industry</u>					
July, 1948	81.8	96.9	61.1	121.3	109.5
June, 1949 (Revised)	112.4	102.3	64.6	122.7	130.4
July, 1949	66.3	103.9	67.7	123.4	131.0
<u>Electrical Apparatus and Supplies Industry</u>					
July, 1948	84.7	121.1	104.9	118.3	146.0
June, 1949 (Revised)	129.6	116.2	104.5	101.9	162.9
July, 1949	111.7	115.5	100.1	106.2	156.3
<u>Non-Ferrous Metal Smelting and Refining Industry</u>					
July, 1948	117.4	124.2	133.6	110.0	120.9
June, 1949	127.4	143.4	153.7	105.9	172.5
July, 1949	117.1	148.7	160.4	110.7	175.3
<u>Others</u> (Includes the following industries: Aluminum Products; and White Metal Alloys)					
July, 1948	91.6	124.5	169.6	127.8	91.2
June, 1949	115.3	118.3	140.6	118.9	99.6
July, 1949	99.7	114.9	140.4	110.1	95.0

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>NON-METALLIC MINERAL PRODUCTS</u>					
<u>Asbestos Products</u>					
July, 1948	141.1	166.0	180.4	68.5	189.2
June, 1949	104.2	118.3	132.4	124.0	106.8
July, 1949	95.6	119.5	122.2	127.5	118.6
<u>Artificial Abrasives and Abrasive Products Industry</u>					
July, 1948	125.3	113.8	111.0	111.1	118.3
June, 1949	132.6	118.8	137.3	89.5	93.8
July, 1948	94.6	120.8	135.9	114.7	99.2
<u>Other Non-Metallic Mineral Products Industries</u> (Includes the following in- dustries; Coke and its By- Products; Illuminating and Fuel Gas; Clay Products from Imported Clays; Plate, Cut and Ornamental Glass; Pressed and Blown Glass; and Miscellaneous Non-Metallic Mineral Products)					
July, 1948	132.3	106.4	97.9	222.3	149.3
June, 1949 (Revised)	129.5	156.7	148.4	49.9	242.0
July, 1949	103.7	159.7	148.4	106.3	252.8
<u>CHEMICALS AND ALLIED PRODUCTS</u>					
<u>Acids, Alkalies and Salts Industry</u>					
July, 1948	112.4	115.9	114.4	96.3	119.8
June, 1949	119.5	129.5	116.1	117.3	160.4
July, 1949	95.5	133.2	112.2	107.7	183.9

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory			
		Total	Raw Materials	Goods in Process	Finished Products
<u>CHEMICALS AND ALLIED PRODUCTS (Concl'd.)</u>					
<u>Fertilizers Industry</u>					
July, 1948	19.2	74.2	82.2	68.6	67.4
June, 1949	76.7	55.6	65.5	53.9	34.4
July, 1949	83.1	72.9	82.6	76.5	43.6
<u>Medicinal and Pharmaceutical Preparations Industry</u>					
July, 1948	70.9	107.2	102.3	111.3	112.5
June, 1949	101.5	105.9	92.7	103.4	116.3
July, 1949	82.6	107.0	95.9	117.2	116.7
<u>Paints, Pigments and Varnishes Industry</u>					
July, 1948	117.1	135.1	114.4	142.5	154.2
June, 1949 (Revised)	151.2	146.3	113.8	130.5	191.7
July, 1949	117.8	143.2	107.1	132.8	192.1
<u>Soaps and Toilet Preparations Industry</u>					
July, 1948	117.0	145.5	149.5	141.9	139.0
June, 1949	115.7	123.1	102.6	98.4	177.5
July, 1949	114.8	116.6	102.1	101.4	154.5
<u>Miscellaneous Chemicals Industries</u> (Includes the following In- dustries: Compressed Gases; Adhesives; Plastics, Matches; Polishes and Dressings; and Miscellaneous Chemical Products)					
July, 1948	113.7	122.9	115.9	115.6	139.2
June, 1949	147.6	127.8	114.5	209.5	144.0
July, 1949	123.2	127.9	110.9	206.9	152.9

MONTHLY REPORT ON INVENTORIES AND SHIPMENTS BY MANUFACTURING INDUSTRIES, JULY, 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)

(1947 Average = 100)

Industry and Month	Value of Shipments	Value of Inventory		
		Total	Raw Materials	Goods in Process

MISCELLANEOUS INDUSTRIES

Miscellaneous (includes the following industries: Brooms, Brushes and Mops; Mattresses and Springs; Musical Instruments and Materials; Fountain Pens and Pencils, Automobile Accessories, Fabric; and Scientific and Professional Equipment)

July, 1948	122.3	102.2	100.8	89.7	120.4
June, 1949 (Revised)	108.6	98.2	92.6	92.4	120.3
July, 1949	84.0	97.2	91.6	95.1	115.0

(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.

June, 1949	148.8	168.1	138.4	-	327.9
July, 1949	147.5	207.2	169.2	-	409.3

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

Section 3

PERCENTAGE CHANGES IN RATIOS BETWEEN INVENTORIES
AND SHIPMENTS (SALES) FOR SELECTED INDUSTRIES

The following tables show month to month percentage changes in the ratio of the value of inventories held at the end of each month to the month's shipments, for selected industries. Individual firms may find it useful to compare changes in their own inventory-shipment ratio from one month to the next with corresponding changes in the ratio for the industry of which they are a part. Such comparisons may indicate significant developments in the position of a firm in relation to the other firms in the industry. For example, a firm may find that its own ratio increased by, say 10 per cent from May to June while the industry as a whole showed a decline in ratio of, say, 20 per cent. Such a difference may be the result of a deliberate change in the inventory policy of the firm; or some of its competitors may have altered their inventory policy; or possibly the firm may have lost some ground to its competitors; or it may have experienced an unusually large increase in its production.

Month to month percentage changes for the current month, the previous month, and the same month a year ago, are shown for (a) the ratio of total inventories to total shipments and (b) the ratio of finished product inventories to total shipments. For example, the figures shown for June represent the percentage change in ratios from May to June, and the figures for July indicate the percentage change in ratios from June to July.

The method of calculation by which an individual firm may compare its month to month position with that of the industry as a whole is explained at the head of the tables that follow.

Actual ratios of inventories to shipments for various firms in an industry normally differ from one another due to technical and other factors peculiar to the individual firms. Accordingly, the actual ratios of inventories to shipments of a particular firm may normally differ from those of the industry as a whole. These normal differences in ratios are not as significant to an individual firm assessing its own position relative to its competitors as the percentage change in ratios from month to month. For this reason the changes in ratios rather than the actual ratios are shown here on a monthly basis. However, in order to provide an indication of the importance of inventories in relation to shipments as between industries, the average ratio for 1947 in each industry is also shown in the tables.

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

Table 3. - Changes in Relationship of Value of Inventory
for Total of Reporting Firms

To check with the percentage change shown for its
of inventory dollars for each sales dollar in June
four inventory dollars for each sales dollar in June,
increase of two dollars, or a change of + 50 p.c. In order
sales dollar, simply divide the sales for each month

Industry	Average		Percentage Change in					
	1947		Relationship from Previous Month			Total Inventory Finished Products		
	Total In- ventory to Shipments	Finished Products to Shipments	July 1948 %	June 1949 %	July 1949 %	July 1948 %	June 1949 %	July 1949 %
						(Revised)	(Revised)	
<u>Vegetable Products</u>								
Biscuits, Confectionery, Cocoa & Chocolate Ind.	2.59	0.41	+ 19	0	+ 12	- 1	+ 8	0
Miscellaneous Food Ind.	3.17	0.73	+ 6	- 15	+ 29	+ 1	- 15	+ 19
Flour and Feed Industry	N.A.	N.A.	N.A.	- 8	+ 24	N.A.	+ 13	+ 26
Rubber Goods Industry ..	2.63	1.27	+ 18	- 6	+ 20	+ 15	- 12	+ 19
<u>Textiles & Textile Products</u>								
Cotton Yarn & Cloth Ind.	2.42	0.40	+ 10	+ 13	+ 21	+ 27	+ 20	+ 22
Woollen Cloth Industry ..	3.19	0.14	+ 31	+ 8	+ 20	+ 34	+ 13	+ 36
Woollen Yarn Industry ..	3.33	0.36	+ 39	- 15	+ 28	+ 42	- 9	+ 27
Miscellaneous Woollen Goods Industry	3.31	0.43	+ 16	- 2	+ 62	+ 97	+ 23	+ 89
Hosiery and Knitted Goods Industry	3.42	0.91	+ 27	- 9	+ 55	+ 20	- 4	+ 53
Cordage, Rope & Twine Industry	5.97	0.40	- 34	- 8	- 35	- 33	- 10	- 40
Cotton and Jute Bags Industry	1.90	0.33	+ 37	- 12	- 3	+ 65	- 13	- 2
Dyeing and Finishing of Textiles Industry	2.68	0.65	+ 55	+ 23	+ 35	+ 74	+ 29	+ 39
Corsets and Foundation Garments Industry	4.12	0.58	+ 16	- 2	+ 22	+ 4	+ 2	+ 17
<u>Wood & Paper Products</u>								
Planing Mills, Sash and Door Factories	2.26	0.15	+ 5	- 10	+ 25	- 4	- 10	+ 22

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

Held at End of Month to Value of Month's Shipments
in selected Industries

industry in July, a firm can take the number and July, and compare them; i.e., if there were and six in July, then July would show an to arrive at the number of inventory dollars for each into the value of inventory held at the end of the month.

Industry	Average 1947 Relationship		Percentage Change in Relationship from Previous Month					
	Total In- ventory to Shipments	Finished Products to Shipments	Total Inventory to Shipments		Finished Products to Shipments			
			July 1948 %	June 1949 %	July 1949 %	July 1948 %	June 1949 %	July 1949 %
			(Revised)			(Revised)		
<u>Wood and Paper Products (Cont'd.)</u>								
Furniture, Upholstering, Cabinet Making Industry	3.17	0.46	+ 56	- 12	+ 43	+ 53	- 10	+ 44
<u>Iron and Its Products</u>								
Primary Iron and Steel Industry	2.26	0.45	+ 13	+ 10	+ 30	- 6	+ 8	+ 27
Iron Castings and Forgings Industry	2.59	0.83	+ 23	+ 8	+ 16	+ 21	+ 9	+ 11
Boilers, Tanks and Plate Work Industry	3.65	0.50	+ 26	- 8	- 13	+ 19	- 13	- 13
Agricultural Implements Industry	4.85	1.55	+ 23	- 10	+ 4	+ 11	- 8	+ 6
Machinery Industry	4.93	1.50	+ 20	- 5	+ 29	+ 14	- 1	+ 25
Automobile Industry	1.68	0.71	+ 30	- 16	- 6	+ 8	- 6	+ 6
Automobile Supplies Industry	2.31	0.66	+ 43	- 12	+ 17	+ 44	- 12	+ 18
Shipbuilding and Repairs Industry	11.31	-	+369	+105	- 63	-	-	-
Aircraft and Parts Ind.	9.38	3.21	- 9	- 34	+175	-11	- 19	+203
Railway Rolling Stock and Equipment Industry	3.51	0.68	+ 4	- 13	+ 63	+24	- 7	+ 69
Wire & Wire Goods Ind.	2.09	0.77	+ 24	- 5	+ 44	+13	- 7	+ 37
<u>Sheet Metal Products</u>								
Industry	3.47	1.14	- 12	- 6	+ 2	-15	+ 3	- 4

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

Table 3. - Changes in Relationship of Value of Inventory Held at End of Month to Value of Month's Shipments, for Total of Reporting Firms in Selected Industries - (Concl'd.)

Industry	Average		Percentage Change in Relationship from Previous Month					
	1947		Total Inventory to Shipments			Finished Products to Shipments		
	Total In- ventory to Shipments	Finished Products to Shipments	July 1948 %	June 1949 %	July 1949 %	July 1948 %	June 1949 %	July 1949 %
<u>Iron and Its Products (Concl'd.)</u>								
Hardware, Tools and Cutlery Industry	3.25	0.76	+ 24	- 12	+ 32	+ 23	- 11	+ 28
Bridge Building and Structural Steel Ind. ..	8.34	-	- 4	- 4	+ 49	-	-	-
<u>Non-Ferrous Metal Products</u>								
Brass and Copper Products Industry	1.59	0.25	+ 64	+ 27	+ 18	+ 68	+ 37	+ 13
Jewellery and Silverware Industry	3.84	0.80	+ 16	- 8	+ 72	+ 4	- 9	+ 70
Electrical Apparatus and Supplies Industry	3.74	0.87	+ 42	- 9	+ 15	+ 38	- 5	+ 11
Non-Ferrous Metal Smel- ting and Refining Ind. .	1.92	0.39	- 4	+ 7	+ 13	- 4	+ 11	+ 11
<u>Non-Metallic Mineral Products</u>								
Asbestos Products Ind. ...	2.20	0.78	+ 7	- 21	+ 10	+ 22	- 25	+ 21
Abrasive Products Ind. ...	2.68	1.15	- 1	- 7	+ 43	+ 2	+ 8	+ 48
<u>Chemicals and Allied Products</u>								
Acids, Alkalies and Salts Industries	1.81	0.47	+ 14	- 2	+ 29	+ 7	+ 1	+ 44
Fertilizers Industry	2.86	0.68	+449	+397	+1211	+402	+259	+1170
Medicinal and Pharmaceuti- cal Preparations Ind. ..	3.99	1.57	+ 15	0	+ 24	+ 16	+ 4	+ 23
Paints, Pigments and Varnishes Industry	3.03	1.11	+ 7	- 9	+ 26	+ 2	- 9	+ 29
Soaps and Toilet Prepara- tions Industry	2.28	0.58	+ 14	- 19	- 5	- 14	- 20	- 12

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

Section 4

CHARTS SHOWING TRENDS IN TOTAL VALUE OF INVENTORIES
AND SHIPMENTS AND RELATIONSHIPS OF INVENTORIES TO
SHIPMENTS, FOR REPORTING FIRMS.

Charts 1 to 4 show the actual levels of values of shipments and inventories of reporting firms in the survey since January 1947. The first shows total values for all reporting firms and the next three show the values reported by three of the four main economic use groupings of firms. (Capital goods industries, which are included in the total of all reporting firms, are not shown separately.) The values shown in the charts are not inflated to include unrepresented firms and industries, as are the values on which the indexes in Table 1 are based, since while it is possible to inflate inventory values because the size of the missing coverage is known, there is no adequate basis on which to inflate shipments. The charts do not, therefore, correspond to total inventory and shipments values for all industries. It is believed, however, that they will prove of interest as representing trends, since reporting firms account for approximately 60% of all gross value of production in Canada.

Chart 5 shows the relationships of inventory held at the end of the month to value of shipments made during the month for the total of all reporting firms, and for three of the main groupings of firms. (Capital goods industries, as noted above, are not shown separately, though included in the total of all reporting firms). Chart 6 shows similar relationships for the three subdivisions of consumers' goods industries. While no specific trend, apart from a slight seasonal one, is apparent in the total or any of the subdivisions, it is believed that the charts will provide background material against which future changes in relationship may be measured.

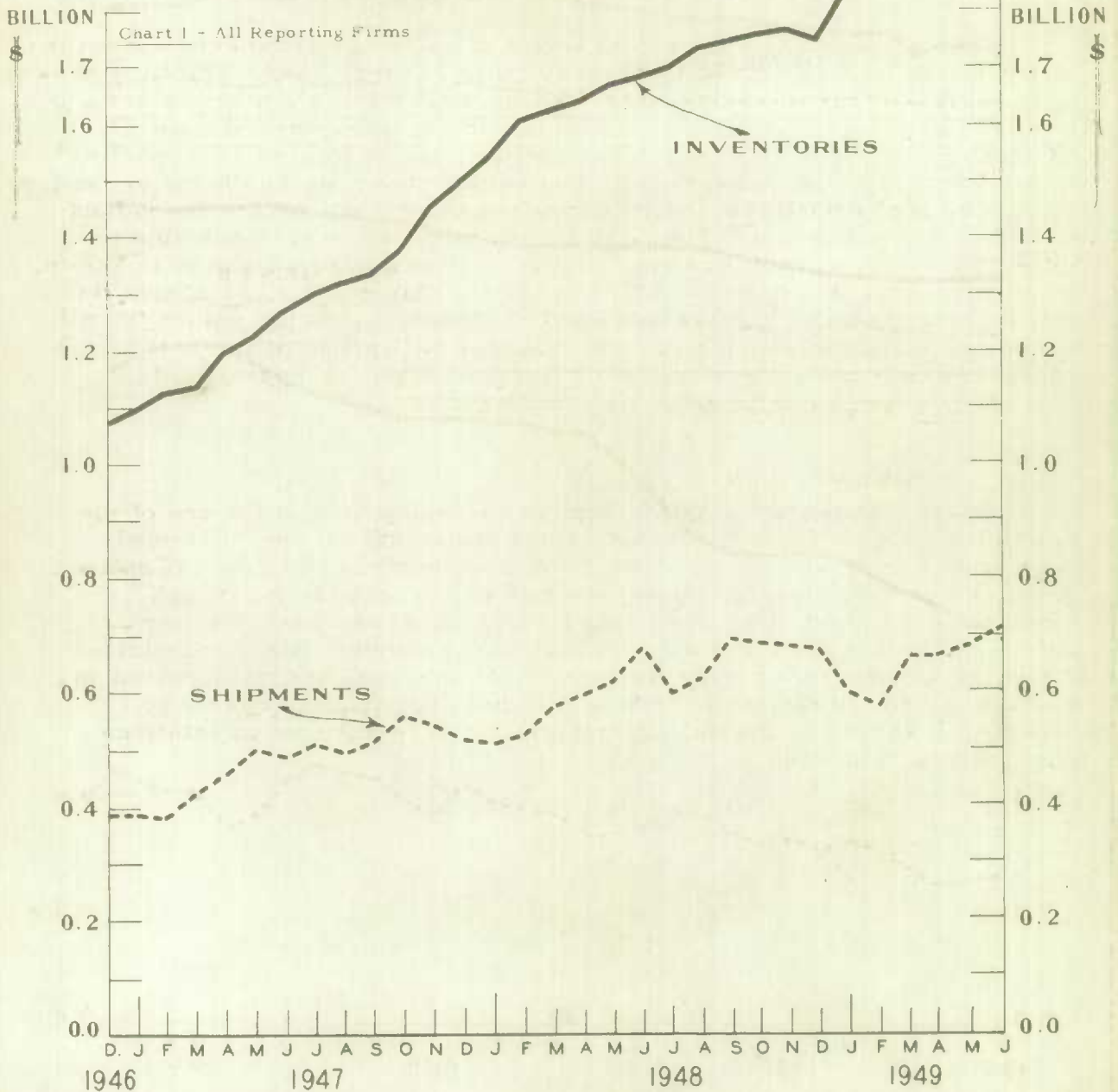
SECTION 5—TRENDS IN VALUES OF INVENTORIES AND SHIPMENTS OF REPORTING FIRMS ONLY

Reporting firms in the selected industries covered in this survey account for approximately 60 per cent of gross value of production in Canada. Values are based on a combination of actual values reported in the majority of industries with estimated values of physical quantities reported in the remaining industries.

The values for "All Reporting Firms" in Charts 1 and 5 include estimates for firms in construction goods industries, which are not presented separately.

Inventories are valued at end of month; shipments are monthly totals.

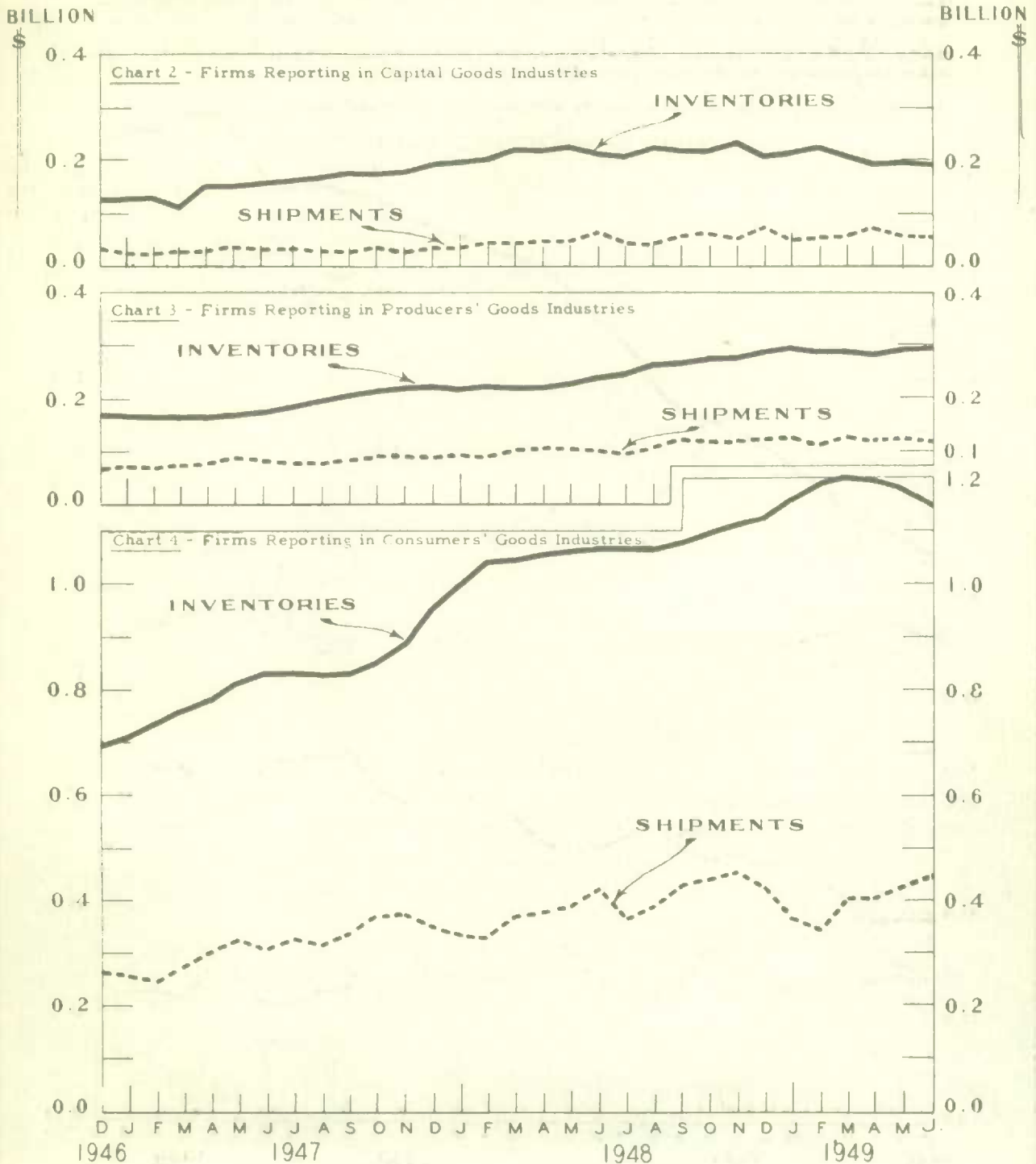
A—VALUES OF INVENTORIES AND SHIPMENTS



Monthly report on inventories and shipments by manufacturing industries -

SECTION 5—TRENDS IN VALUES OF INVENTORIES AND SHIPMENTS OF REPORTING FIRMS ONLY (CONTINUED)

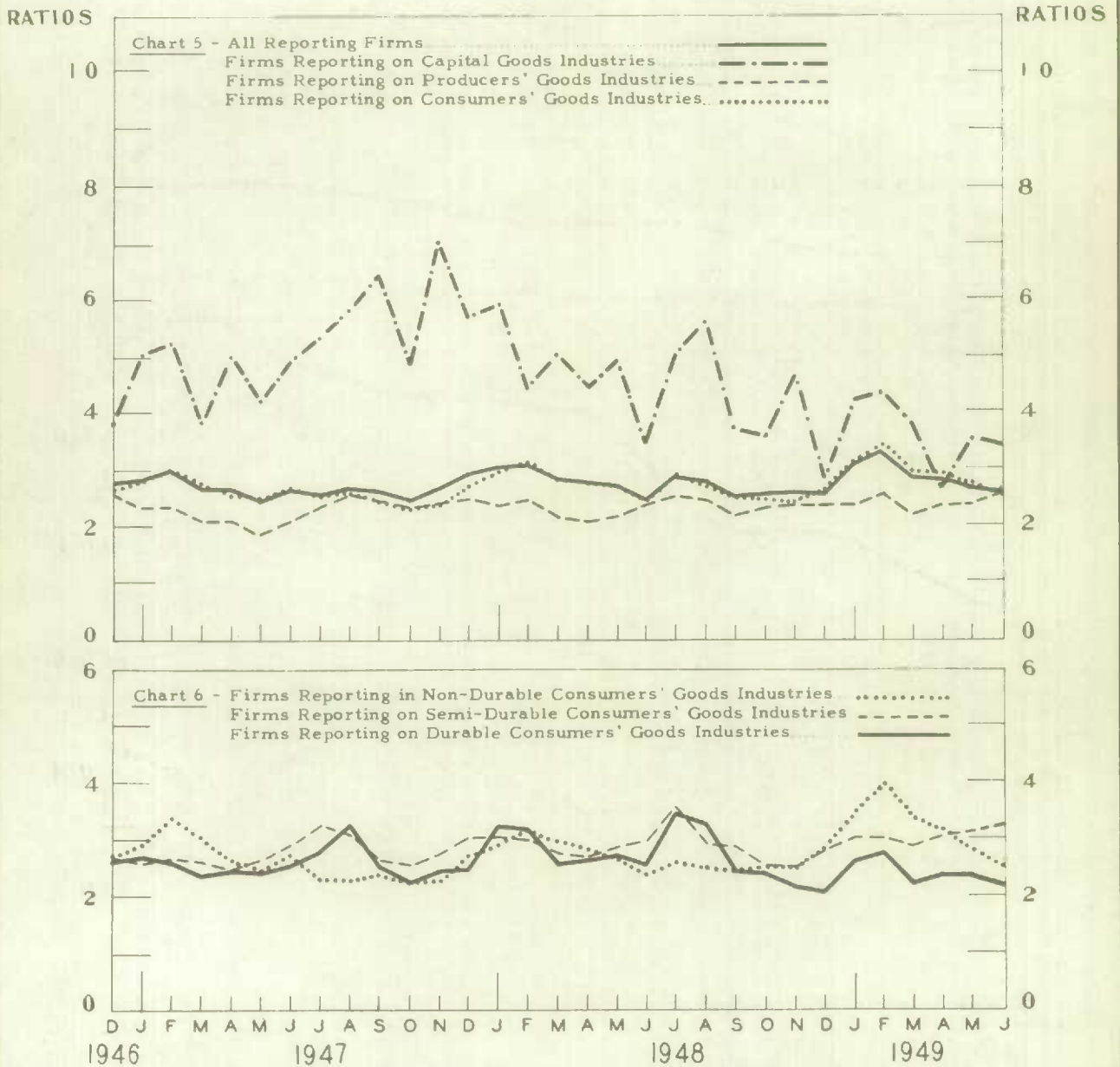
A—VALUES OF INVENTORIES AND SHIPMENTS (CONTINUED)



SECTION 5—TRENDS IN VALUES OF INVENTORIES AND SHIPMENTS OF REPORTING FIRMS ONLY

The charts below show the relationship of investment in inventories at end of month to shipments values for the corresponding month (i.e. the number of month's shipments on hand, in terms of value) for all reporting firms and for selected groupings of firms. This type of presentation reveals more accurately the variations between inventories and shipments shown in the preceding charts, (which show the actual levels at which fluctuations occur). Since no unusual variations in relationships are revealed in the period under review, the data is significant chiefly as background material with which possible future variations may be compared.

B—RELATIONSHIP OF INVENTORIES AND SHIPMENTS





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