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DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

EMPLOYMENT SECTION

CHART BOOK
OF
EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

Employment: 1939 - September 1, 1948
Payrolls: 1941 - September 1, 1948

OTTAWA
April 1949

Price 50 cents

Report 9-2010

DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
EMPLOYMENT STATISTICS SECTION
OTTAWA - CANADA

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CHART BOOK OF EMPLOYMENT AND PAYROLLS IN CERTAIN INDUSTRIES.

FOREWORD.

The charts on employment and payrolls in this publication bring forward the series established during the war by the Wartime Prices and Trade Board and continued by the Department of Reconstruction and Supply until 1946, when they were transferred to the Dominion Bureau of Statistics. In most cases, the graphs trace the course of employment in the larger industrial establishments in the period from 1939 to Sept. 1, 1948; the curves for the payrolls go back to June 1, 1941, the date on which the monthly record of weekly salaries and wages was commenced. The index numbers, based on June 1, 1941, have been charted in their original form, and in the form of 12 months' moving averages centered; since each item in the latter series is the average of an entire year, the seasonal fluctuations are largely eliminated, with the result that the trends over a period of years can easily be traced.

The curves represent the trends of employment and payrolls in establishments usually employing 15 persons and over. For practical reasons associated with the cost of collection and processing in terms of money and of time, the smaller businesses are excluded from the monthly surveys. This limitation of their scope results in an unequal coverage of the total employment in the various industries for which data are available, depending upon whether they are usually organized in large or small units of production or operation. Relatively high proportions of the total wage-earners employed in the various industrial divisions, however, are represented in all cases. The charts for the individual industries may therefore be regarded as accurately depicting the fluctuations in employment and other payroll data portrayed.

The provincial coverage of total employment except in Prince Edward Island and Saskatchewan is comparatively high, and also shows a considerable degree of uniformity. At the date of the Decennial Census of June 1, 1941, the monthly survey's percentages of coverage of the total wage-earners and salaried employees in all agricultural and non-agricultural industries varied from 52 p.c. in New Brunswick to 64½ p.c. in Ontario, while the Dominion proportion was 59 p.c.; the proportions in Prince Edward Island and Saskatchewan were relatively low, at 19 p.c. and 31 p.c., respectively. In the categories included in the monthly surveys, the range in the more highly industrialized provinces was also from seven points below in the case of New Brunswick to 5½ points above in Manitoba. In this comparison also the figures in Prince Edward Island and Saskatchewan were below-average, at 40 p.c. and 64 p.c., respectively. The general coverage in Canada at the Census date was over 79 p.c., a proportion which has since increased. While these provincial variations are not particularly marked, they call for consideration in a study of the regional trends. A point also to be remembered is that certain of the industries excluded from the monthly surveys, notably

agriculture, domestic service, etc., did not share in the wartime expansion of employment which had particularly affected manufacturing and a few other divisions, in which the establishments furnishing monthly statistics employ exceedingly large proportions of the total working force.

Attention is also drawn to the fact that from time to time in the post-war period, the situation in many industries has been seriously affected by industrial disputes. In some cases, these strikes have indirectly affected the levels of employment and payrolls in numerous other industries. During 1946, the labour-management disputes in manufacturing were particularly serious. In 1947, the strike in coal mining in Nova Scotia accounted for the greatest loss in man-days of work. Industrial disputes in 1948 occasioned much smaller losses in employment and working days than in immediately preceding years.

In some cases, the industries for which charts are given employ rather small numbers of persons, with the result that minor changes will sometimes appear of greater significance than is warranted by their size. In this connection, attention is drawn to the statistics of numbers of employees reported by the cooperating establishments, as indicated on Pages III to VI. These tables show the industrial and geographical distribution of the employees reported by the firms furnishing statistics at Sept. 1, 1948, together with the index numbers of employment, as compared with the same date of earlier years:

(1) 1939, representative of the levels existing at the outbreak of the Second Great War.

(2) 1944, when recorded employment was practically at its wartime peak.

(3) 1946, when post-war reconstruction was in process, and industrial disputes seriously affected the situation.

(4) 1947, when the period of reconstruction was completed.

The charts in this publication have been adapted and many of them redrawn and remounted by Mr. J.W. Delisle, Chief Draughtsman of the Bureau.

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15/2/49

A COMPARISON OF EMPLOYMENT AS REPORTED BY LEADING FIRMS REGIONALLY AND IN SPECIFIED INDUSTRIES AT SEPTEMBER 1, 1948

with:

1. Sept. 1, 1939, when employment was practically at the pre-war level
2. Sept. 1, 1944, when employment was practically at the war-time peak
3. Sept. 1, 1946, when the situation reflected the early stages of post-war reconversion
4. Sept. 1, 1947, when the period of reconversion was largely completed.

	Number of Employees Reported by Co-operating Firms at Sept. 1, 1948 (000's)	Index Numbers of Employment at Sept. 1, 1948 Compared with Sept. 1 in 1939 P.C.	1944 P.C.	1946 P.C.	1947 P.C.	See Chart Number
		(Decrease indicated by minus sign)				
SECTION 1 - EIGHT MAJOR INDUSTRIES						
A. TOTAL BY AREAS						
1. Canada	2092.2	+ 10.2	+ 8.5	+ 14.7	+ 4.2	1
2. Economic Areas						
Ontario	864.8	+ 9.5	+ 10.4	+ 16.6	+ 4.4	2
Quebec	621.1	+ 1.2	+ 2.3	+ 12.7	+ 4.3	2
British Columbia	207.5	+ 37.0	+ 14.6	+ 22.5	+ 3.8	3
Prairies	250.9	+ 23.4	+ 20.2	+ 11.4	+ 4.9	3
Maritimes	147.8	+ 5.9	+ 1.8	+ 9.3	+ 1.7	3
3. Principal Cities						
Montreal	295.6	+ 69.7	- 0.4	+ 7.4	+ 3.1	4
Quebec	31.4	- 2.3	- 24.6	+ 18.6	+ 2.5	4
Toronto	268.6	+ 79.6	+ 0.2	+ 12.5	+ 3.9	5
Hamilton	66.4	+ 20.3	+ 10.0	+ 40.0	+ 7.2	5*
Windsor	40.3	+146.1	- 1.7	+ 22.0	+ 2.7	5*
Ottawa	26.6	+ 21.5	+ 16.2	+ 12.1	+ 8.1	6
Winnipeg	69.4	+ 36.2	+ 14.3	+ 6.5	+ 3.8	6
Vancouver	90.3	+ 44.5	+ 1.2	+ 19.4	+ 4.7	6
B. INDIVIDUAL MAJOR INDUSTRIES						
Mining	85.3	- 39.2	+ 18.8	+ 16.3	+ 8.4	7
Construction	263.7	- 5.2	+ 53.3	+ 31.7	+ 11.5	7
Manufacturing**	1092.3	+ 8.0	- 7.5	+ 11.8	+ 2.9	7
Communication	50.3	+118.6	+ 63.9	+ 21.3	+ 8.1	8
Transportation	188.4	+ 63.4	+ 17.1	+ 10.6	+ 2.5	8
Services***	73.7	+ 2.6	+ 28.5	+ 12.0	+ 3.7	8
Logging	66.9	+128.2	+ 40.6	+ 12.6	- 10.1	9
Trade	271.6	+ 4.1	+ 35.9	+ 14.6	+ 6.3	9
Average Weekly Earnings - Eight Leading Industries						10

* Employment during 1946 was affected by major strikes.

** Including electric light and power.

*** Consisting mainly of hotels and restaurants and laundries and dry-cleaning plants.

	Number of Employees Reported by Co-operating Firms at Sept.1, 1948	Reported Employment at Sept.1, 1948 Compared with Sept.1 in				See Chart Number
		1939	1944	1946	1947	
	(000's)	P.C.	P.C.	P.C.	P.C.	
		(Decrease indicated by minus sign)				
SECTION II - MANUFACTURING INDUSTRIES						
A. TOTAL MANUFACTURING	1,059.2	+ 82.1	- 8.6	+11.5	+ 2.7	11
1. Total Non-Durable Goods	551.2	+ 58.3	+ 6.2	+ 8.8	+ 3.2	11
2. Total Durable Goods	508.0	+117.3	-20.6	+14.5	+ 1.8	11
B. MAJOR GROUPS						
1. Non-Durable Goods						
Processed Food	116.0	+ 54.9	+10.1	+ 5.1	+ 5.0	12
Beverages & Tobacco	30.5	+ 64.8	+23.8	+11.5	+ 4.1	12
Textiles	157.2	+ 49.1	+16.4	+10.9	+ 5.4	12*
Leather & Its Products	30.3	+ 24.9	+ 7.3	- 6.7	- 4.0	12
Pulp & Paper Products	117.7	+ 70.3	+34.0	+12.0	+ 3.7	13
Non-Metallic Minerals	16.2	+ 41.9	+ 4.9	+ 3.4	+ 1.2	13*
Chemicals	43.1	+110.3	-44.0	+ 8.4	+ 6.0	13
2. Durable Goods						
Lumber & Its Products	86.1	+ 67.9	+17.2	+ 9.4	- 0.2	14
Clay, Glass & Stone Products	23.0	+100.3	+48.2	+21.5	+ 6.5	14
Electrical Apparatus Products	51.5	+162.0	+ 5.8	+29.3	- 0.7	14*
Non-Ferrous Metal Products	50.7	+121.9	-17.1	+23.2	+ 6.7	15*
Iron & Its Products	295.8	+133.4	-32.4	+12.2	+ 1.9	15*
C. MINOR GROUPS						
1. Non-Durable Goods						
Edible Animal Products:						
Dairy Products	18.3	+ 67.1	+11.5	+ 6.6	- 0.1	16
Meat Products	21.9	+ 76.7	- 2.3	- 6.2	+ 2.0	16
Fish Processing & Canning	10.4	+ 12.3	+25.6	+ 3.4	+ 3.2	16
Edible Plant Products:						
Bread & Bakery Products	23.5	+ 50.7	+18.3	+13.2	+ 8.3	17
Fruit & Veg. Preserving	21.6	+ 53.2	- 4.4	+ 5.4	+ 12.0	17
Confectionery:						
Sugar & Syrup	3.2	+ 61.5	+42.6	+36.3	+ 10.4	18
Chocolate & Confectionery	8.3	+ 35.8	+12.2	+24.6	+ 18.3	18

* Employment during 1946 was affected by major strikes.

	Number of Employees Reported by Co-operating Firms at Sept. 1, 1948	Index Numbers of Employment at Sept. 1, 1948 Compared with Sept. 1 in				See Chart Number
		1939	1944	1946	1947	
	(000's)	P.C.	P.C.	P.C.	P.C.	
		(Decrease indicated by minus sign)				
Non-Durable Goods (cont'd)						
Beverages & Tobacco:						
Tobacco	10.0	+ 19.2	- 0.1	- 0.2	- 1.4	19
Brewing	10.4	+105.0	+ 43.5	+ 11.2	+ 3.5	19
Textile Products:						
Hosiery & Knit Goods	25.6	+ 38.5	+ 17.8	+ 7.5	+ 4.2	20
Cotton Yarn & Cloth	22.3	+ 15.3	+ 4.7	+ 18.6	+ 6.3	20*
Woollen Yarn & Cloth	15.2	+ 72.3	+ 23.9	+ 9.7	+ 2.9	20
Silk, Artificial Silk	16.1	+101.8	+ 44.5	+ 20.3	+ 10.3	21
Garments & Furnishings	56.0	+ 56.6	+ 17.6	+ 12.4	+ 5.6	21
Leather Products:						
Tanning	4.5	+ 19.1	+ 1.6	- 14.1	- 15.1	22
Footwear	19.3	+ 16.5	+ 11.0	- 3.5	- 1.9	22
Gloves & Mitts	1.9	+ 28.9	- 24.7	- 29.7	- 17.2	22
Other Leather Goods	4.2	+ 83.9	+ 11.6	- 2.9	+ 1.1	22
Rubber:	21.9	+ 54.3	+ 1.5	+ 56.6	- 10.5	23
Pulp & Paper Products:						
Printing & Publishing	43.0	+ 53.4	+ 36.6	+ 13.0	+ 8.1	24
Pulp & Paper	52.8	+ 75.3	+ 35.5	+ 12.3	+ 1.3	24
Paper Products	22.0	+ 98.0	+ 23.6	+ 8.0	+ 0.1	24
Non-Metallic Minerals:						
Coal Products	3.3	+ 11.5	+ 12.5	- 3.5	- 0.5	25
Petroleum	10.3	+ 91.1	+ 15.7	+ 8.2	+ 5.0	25
Chemicals:						
Drugs	8.7	+164.8	+ 9.0	+ 2.5	+ 0.1	26
Soap	3.6	+ 29.4	+ 26.8	+ 3.6	+ 0.6	26
Fertilizer	2.9	+122.2	+ 39.9	+ 8.2	- 0.3	26
Paints & Varnishes	5.6	+ 81.4	+ 36.3	+ 7.4	+ 7.6	27
Acids, Alkalies & Salts	5.4	+ 97.1	- 18.9	+ 15.6	+ 2.8	27
Compressed Gases	2.0	+149.5	+ 12.7	+ 9.5	+ 6.0	27
Explosives	4.3	+143.6	- 85.5	+ 26.8	+ 25.4	28

* Employment during 1946 was affected by major strikes.

	Number of Employees Reported by Co-operating Firms at Sept. 1, 1948	Index Numbers of Employment at Sept. 1, 1948 Compared with Sept. 1 in				See Chart Number
		1939	1944	1946	1947	
	(000's)	P.C.	P.C.	P.C.	P.C.	
		(Decrease indicated by minus sign)				
2. Durable Goods						
Lumber & Its Products:						
Furniture	16.9	+ 80.3	+ 25.1	+ 2.6	+ 1.9	30
Rough & Dressed Lumber	53.1	+ 68.9	+ 30.2	+ 19.5	+ 3.1	30
Wooden Containers	8.5	+ 72.8	- 0.9	- 4.9	- 10.7	30
Clay, Glass & Stone Products:						
Clay	6.5	+ 93.3	+ 99.5	+ 25.4	+ 14.3	25
Stone	9.0	+ 92.8	+ 34.4	+ 11.1	+ 2.9	25
Glass	7.4	+ 96.9	+ 21.7	+ 33.5	+ 4.9	25
Primary Metals:						
Primary Steel	39.5	+128.6	+ 19.9	+ 56.3	+ 8.6	31*
Lead, Zinc & Copper	17.1	+101.5	- 34.4	+ 26.1	+ 3.0	31*
Non-Ferrous Smelting & Refining	13.7	+ 39.1	+ 1.7	+ 21.1	+ 5.8	32
Aluminum	14.1	+284.7	- 20.4	+ 29.5	+ 11.3	32
Iron & Its Products:						
Machinery	30.0	+126.2	+ 18.2	+ 12.0	+ 2.3	33
Railway Cars & Parts	48.0	n.a.	+ 6.5	+ 13.1	+ 7.1	33
Railway Locomotives	10.0	n.a.	- 11.1	+ 3.7	+ 20.1	33
Foundries & Machine Shops	8.5	+130.2	- 4.2	+ 3.6	+ 4.6	34
Tools	7.3	+100.4	- 12.7	- 2.8	- 3.3	34
Iron & Steel Fabrication	12.0	+108.8	- 21.9	+ 13.1	+ 8.7	34
Farm Implements	18.6	+390.4	+ 72.7	+ 37.2	+ 14.2	35
Wire Products	5.3	+ 48.5	+ 1.5	+ 16.8	- 1.5	36*
Heating Appliances	8.1	+ 70.5	+ 32.7	+ 16.2	+ 6.1	36
Sheet Metal Products	14.7	+123.8	- 0.9	- 1.9	- 1.9	36
Small Hardware	6.2	+133.0	+ 4.5	+ 5.0	- 3.1	36
Automobiles	42.5	+166.4	- 5.0	+ 15.9	- 6.2	37*
Airplanes	9.0	+151.6	- 89.5	- 35.0	- 12.7	38
Shipbuilding	21.1	+643.4	- 68.2	- 9.6	- 14.2	39
Firearms	0.9	n.a.	- 96.9	- 46.6	+ 42.3	40

* Employment during 1946 was affected by major strikes.

EMPLOYMENT AND PAYROLLS IN CANADIAN INDUSTRIES

ARRANGEMENT OF CHARTS

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Leather	
Foods	
Beverages and tobacco	
Chemicals	
Pulp and paper	
Non-metallic minerals	
2. Durable Goods Division	14 & 15
Iron and its products	
Non-ferrous metals	
Clay, glass and stone	
Lumber and its products	
Electrical apparatus	
C. MINOR GROUPS of the	
1. Non-Durable Goods Division	16 - 24 25* - 28
2. Durable Goods Division	30 - 36 37 - 40

*Also shown on the chart for certain non-durable goods industries are charts for clay, glass and stone products.

CHART NO I

* NAMELY–MANUFACTURING, LOGGING, MINING, TRANSPORTATION, COMMUNICATION, CONSTRUCTION AND CERTAIN SERVICES.

CHART NO 2

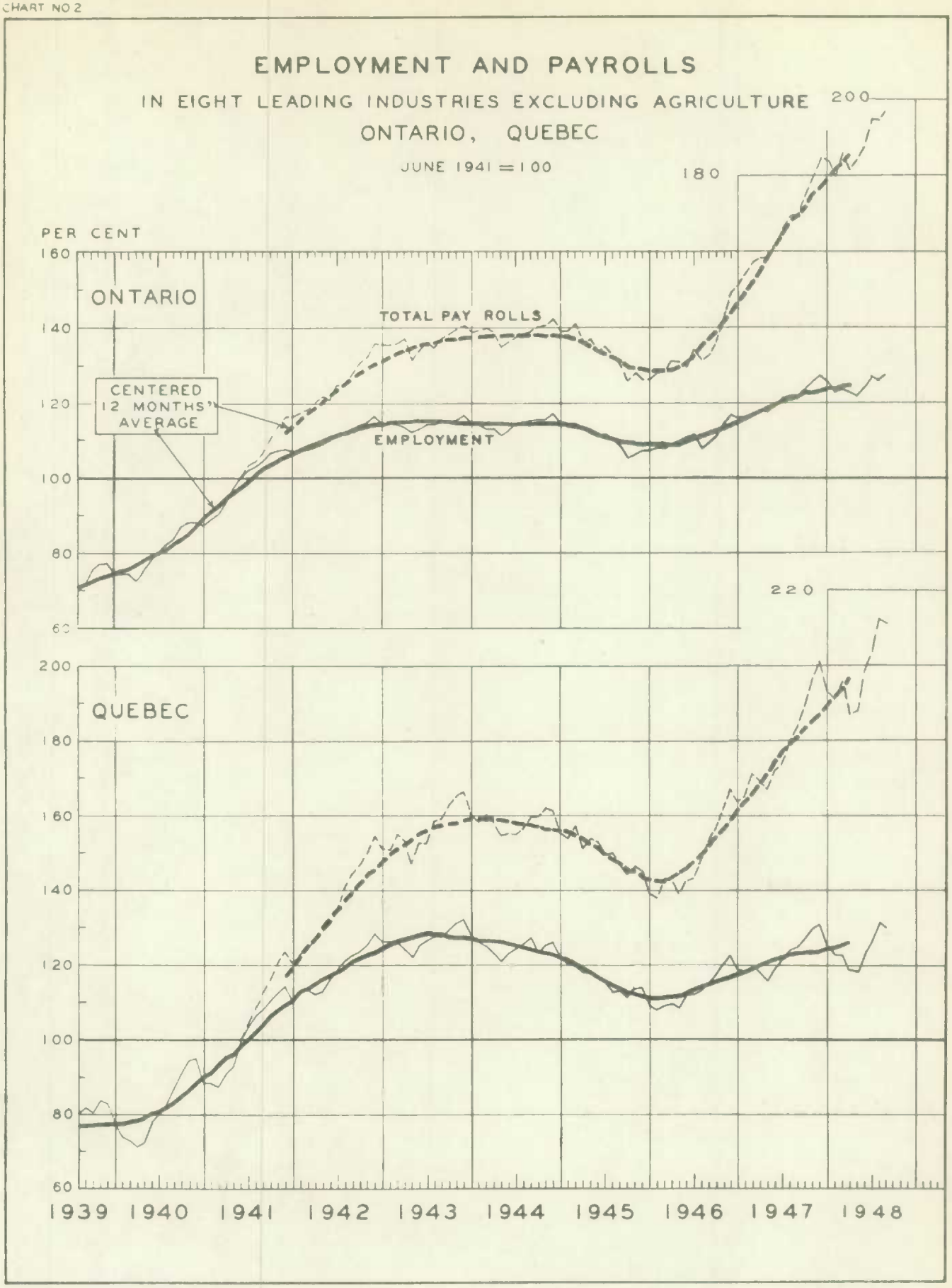

EMPLOYMENT AND PAYROLLS
IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE
ONTARIO, QUEBEC
JUNE 1941 = 100
PER CENT
ONTARIO
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
QUEBEC
160
140
120
100
80
60
200
180
220
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO. 3

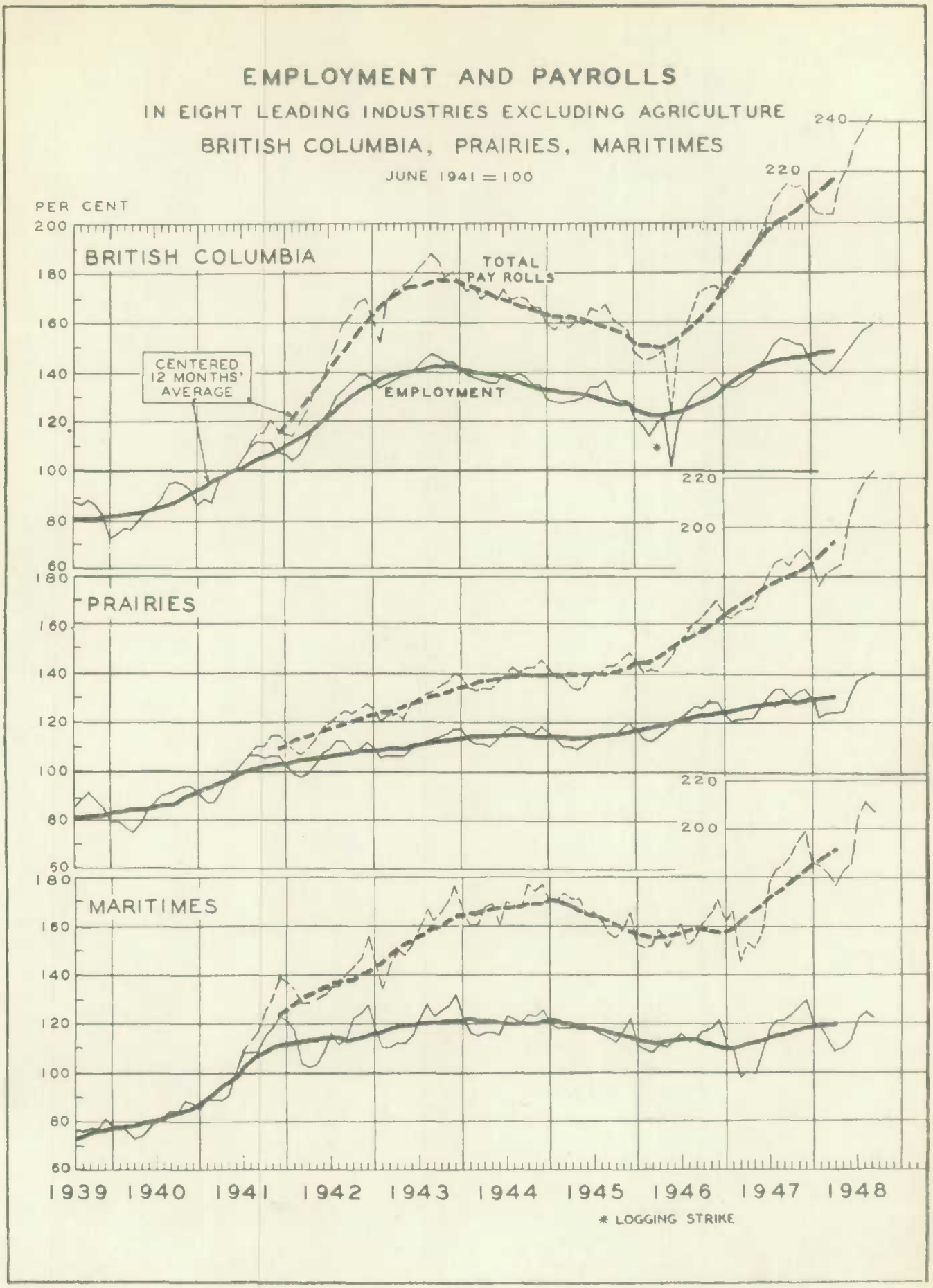

EMPLOYMENT AND PAYROLLS
IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE
BRITISH COLUMBIA, PRAIRIES, MARITIMES
JUNE 1941 = 100
PER CENT
BRITISH COLUMBIA
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
PRAIRIES
MARITIMES
240
220
200
180
160
140
120
100
80
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
* LOGGING STRIKE

CHART NO 4

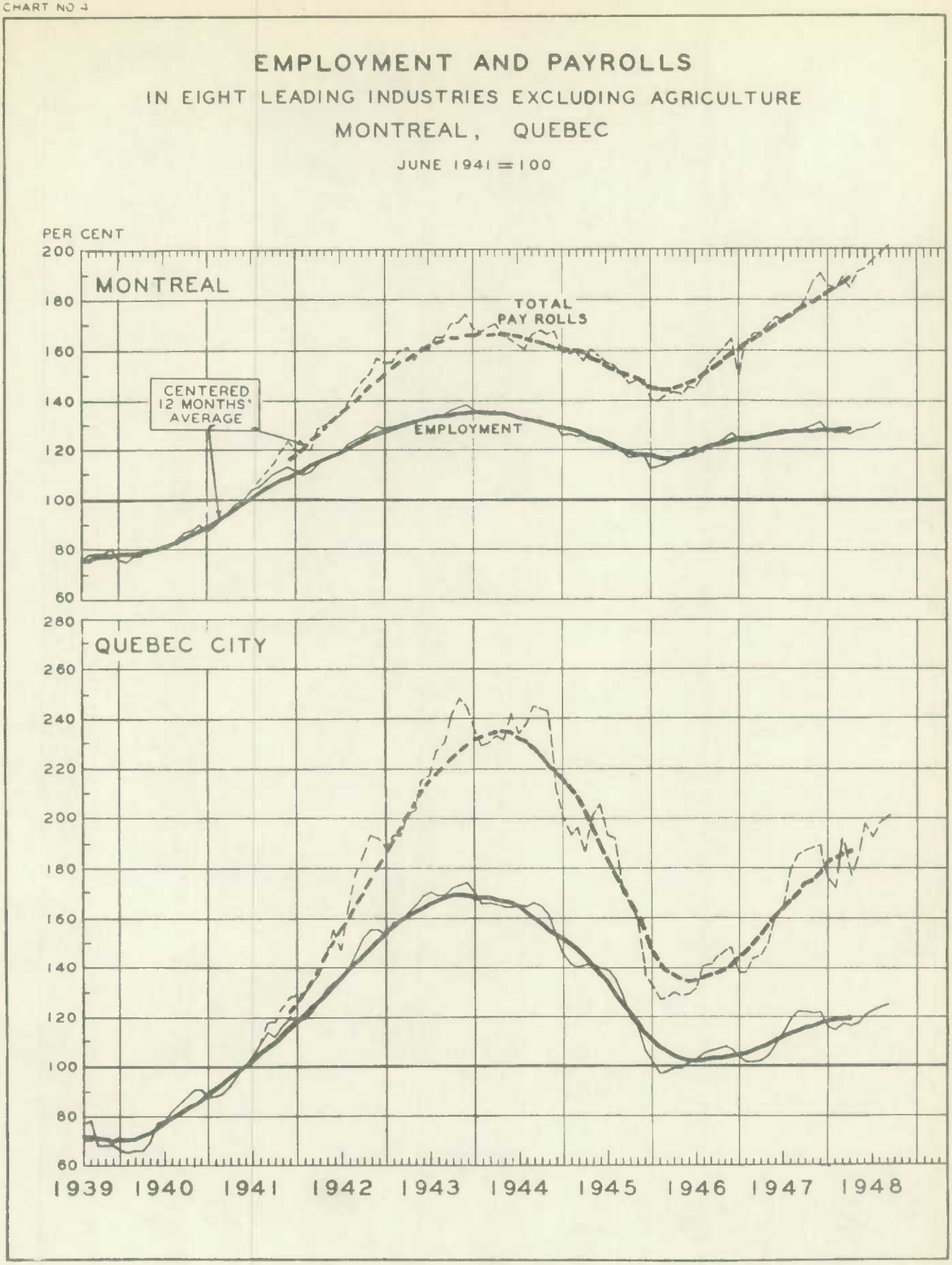

EMPLOYMENT AND PAYROLLS
IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE
MONTREAL, QUEBEC
JUNE 1941 = 100
PER CENT
MONTREAL
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
QUEBEC CITY
200
180
160
140
120
100
80
60
280
260
240
220
200
180
160
140
120
100
80
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 5

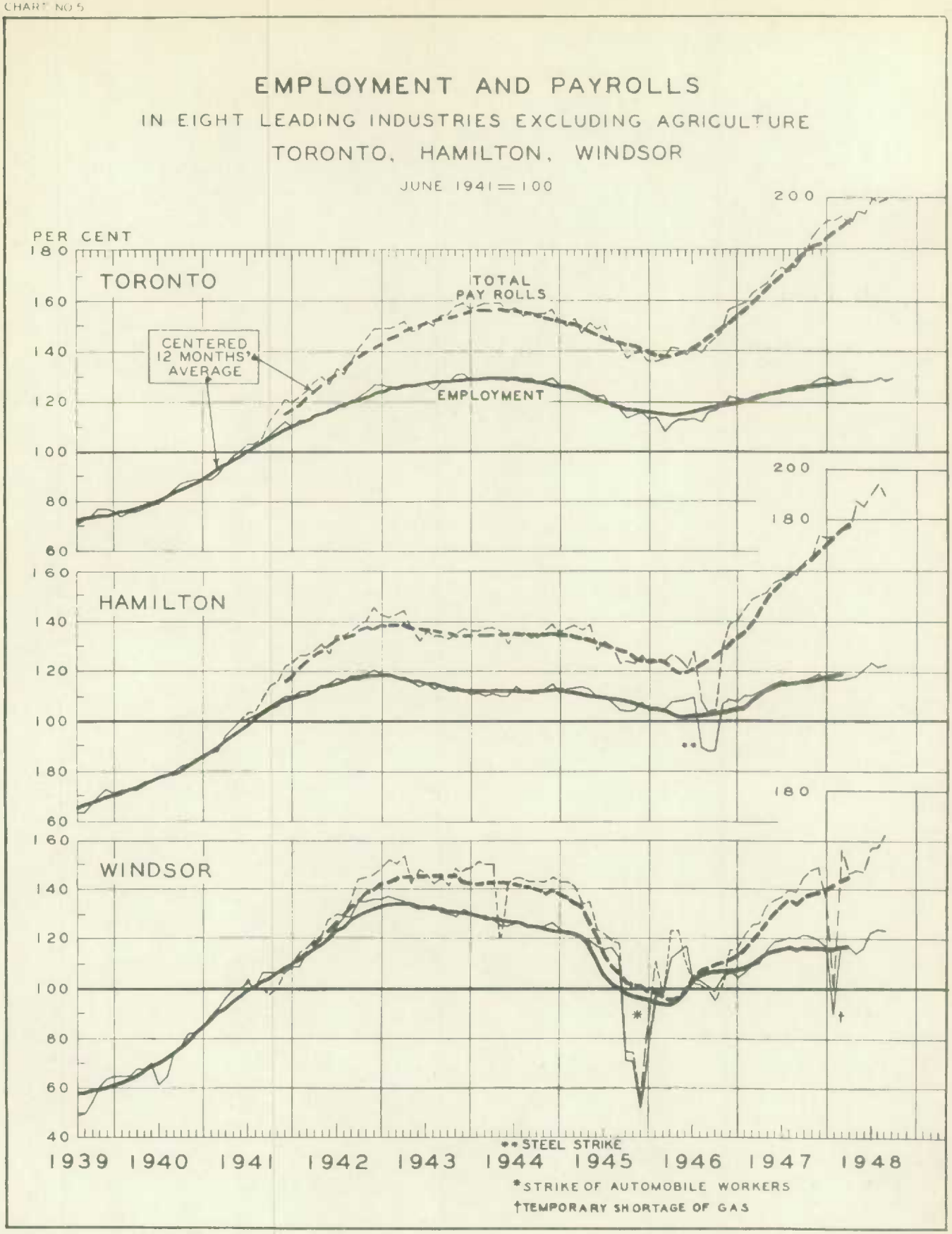

EMPLOYMENT AND PAYROLLS
IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE
TORONTO, HAMILTON, WINDSOR
JUNE 1941 = 100
PER CENT
TORONTO
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
HAMILTON
WINDSOR
** STEEL STRIKE
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948
* STRIKE OF AUTOMOBILE WORKERS
† TEMPORARY SHORTAGE OF GAS

CHART NO 6

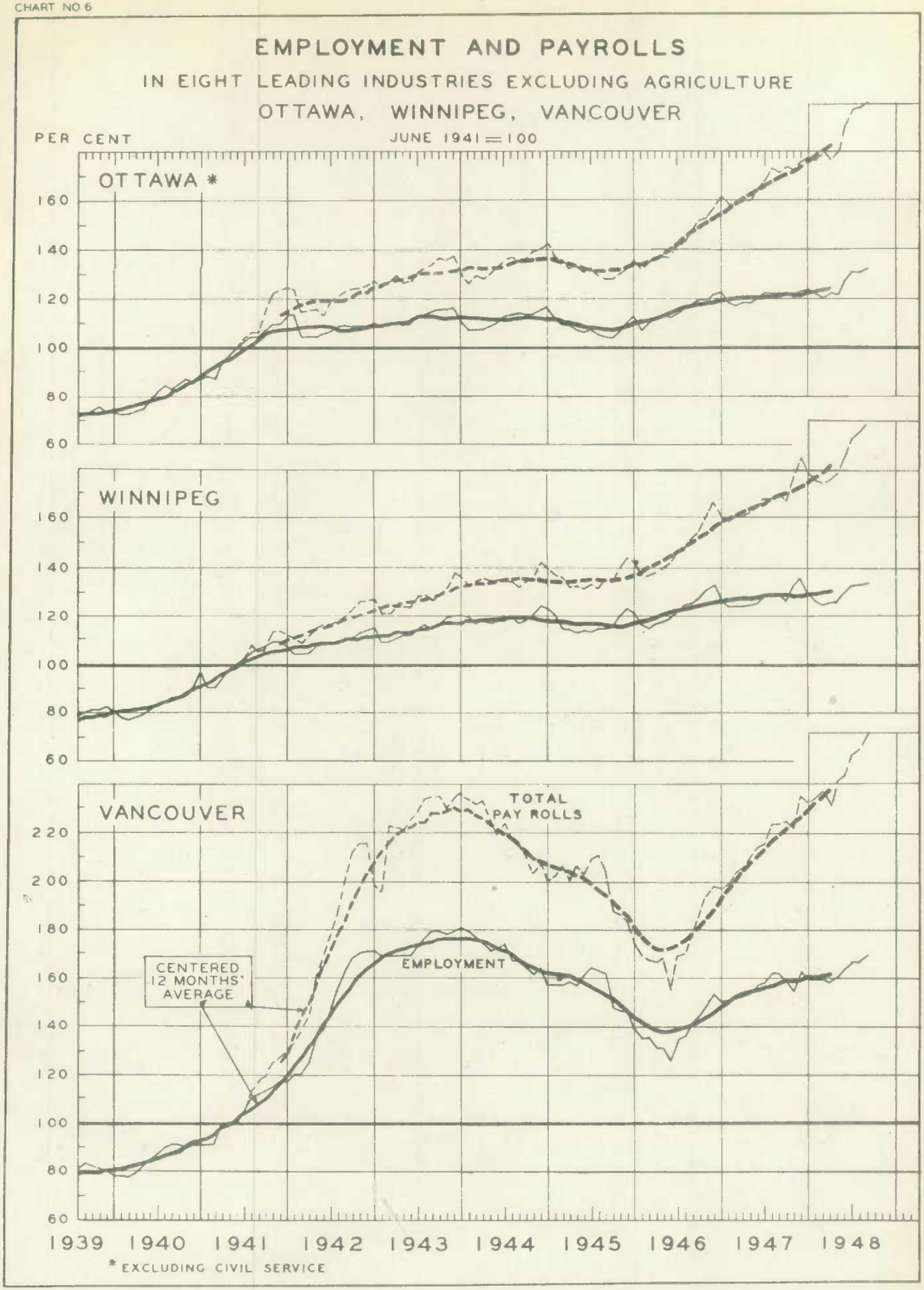

EMPLOYMENT AND PAYROLLS
IN EIGHT LEADING INDUSTRIES EXCLUDING AGRICULTURE
OTTAWA, WINNIPEG, VANCOUVER
PER CENT
JUNE 1941 = 100
OTTAWA *
WINNIPEG
VANCOUVER
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
160
140
120
100
80
60
220
200
180
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
* EXCLUDING CIVIL SERVICE

CHART NO 7

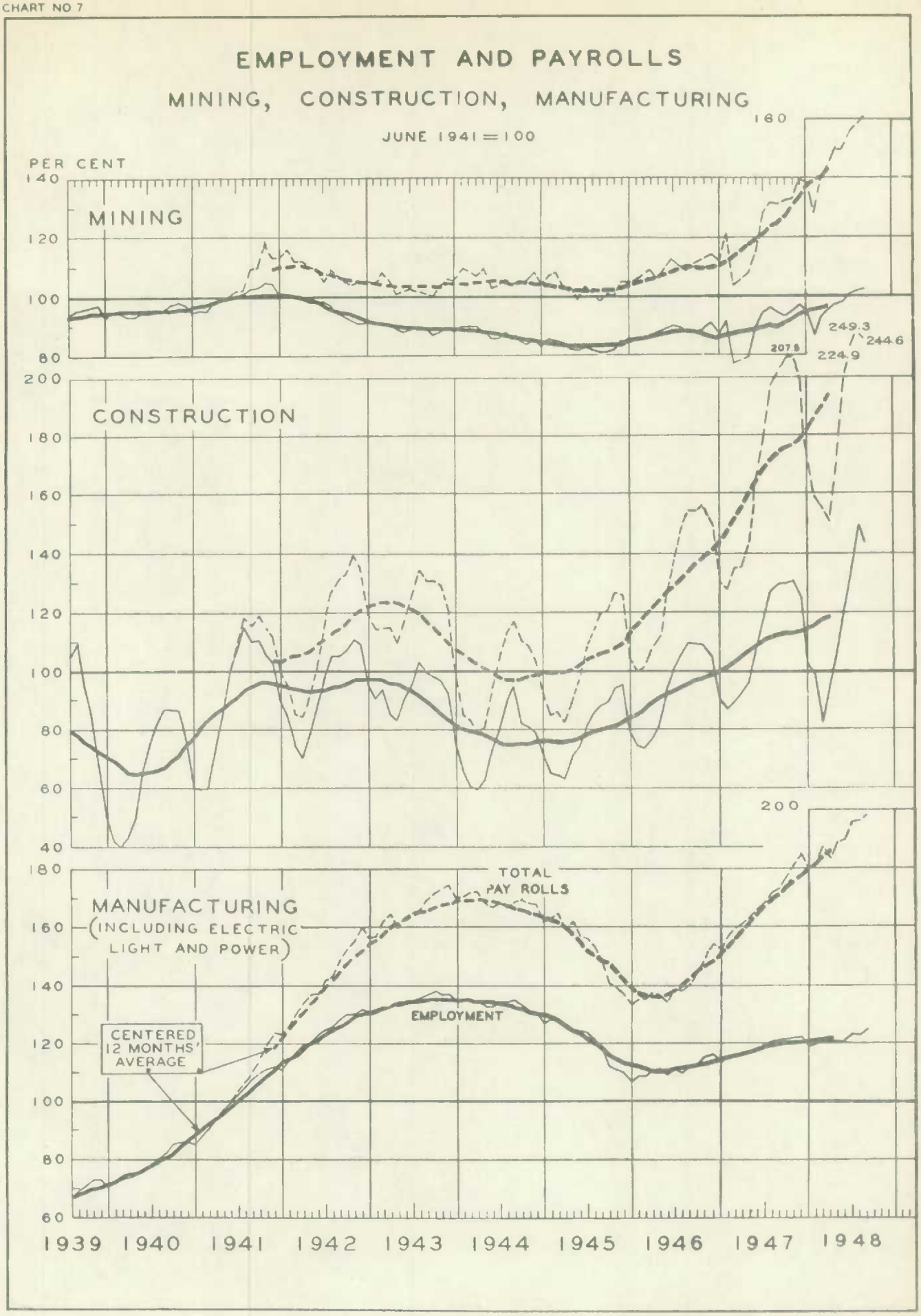

EMPLOYMENT AND PAYROLLS
MINING, CONSTRUCTION, MANUFACTURING
JUNE 1941 = 100
PER CENT
MINING
CONSTRUCTION
MANUFACTURING
(INCLUDING ELECTRIC LIGHT AND POWER)
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
160
249.3
244.6
207.5
224.9
200
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO. 8

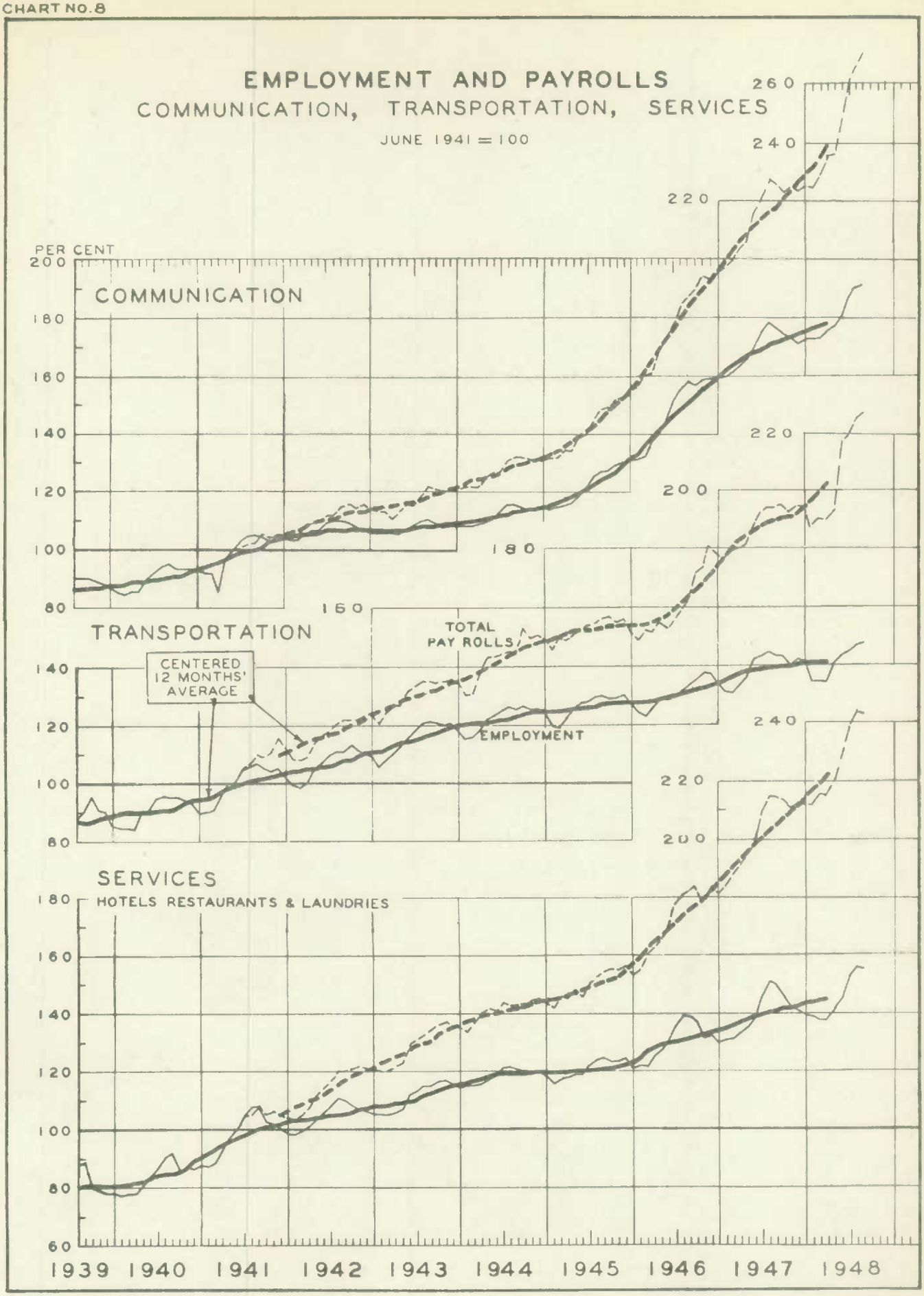

EMPLOYMENT AND PAYROLLS
COMMUNICATION, TRANSPORTATION, SERVICES
JUNE 1941 = 100
PER CENT
COMMUNICATION
TRANSPORTATION
CENTERED 12 MONTHS' AVERAGE
TOTAL PAY ROLLS
EMPLOYMENT
SERVICES
HOTELS RESTAURANTS & LAUNDRIES
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

CHART NO 9

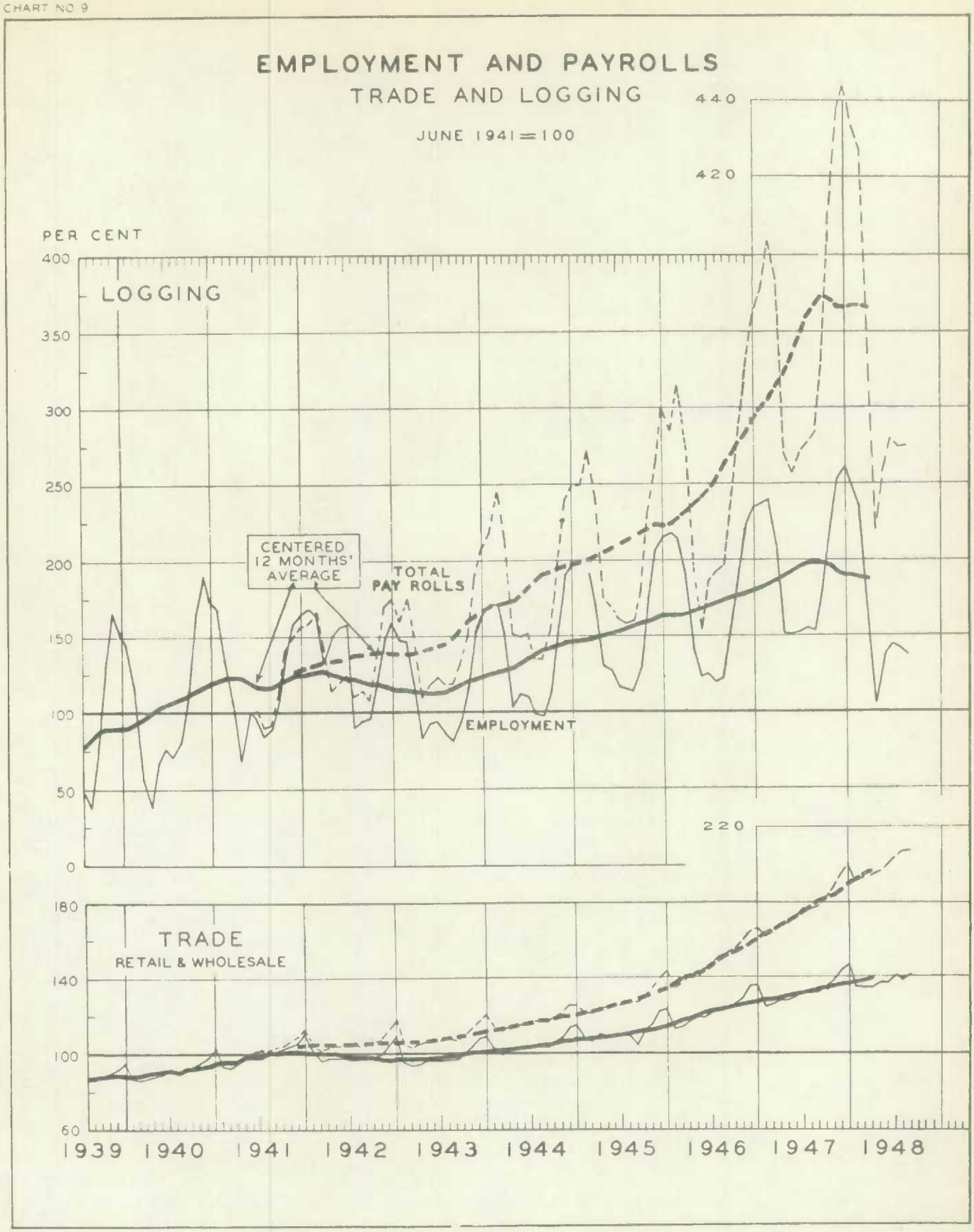

EMPLOYMENT AND PAYROLLS
TRADE AND LOGGING
JUNE 1941=100
PER CENT
LOGGING
CENTERED 12 MONTHS' AVERAGE
TOTAL PAY ROLLS
EMPLOYMENT
TRADE
RETAIL & WHOLESALE
440
420
220
400
350
300
250
200
150
100
50
0
180
140
100
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO. 10

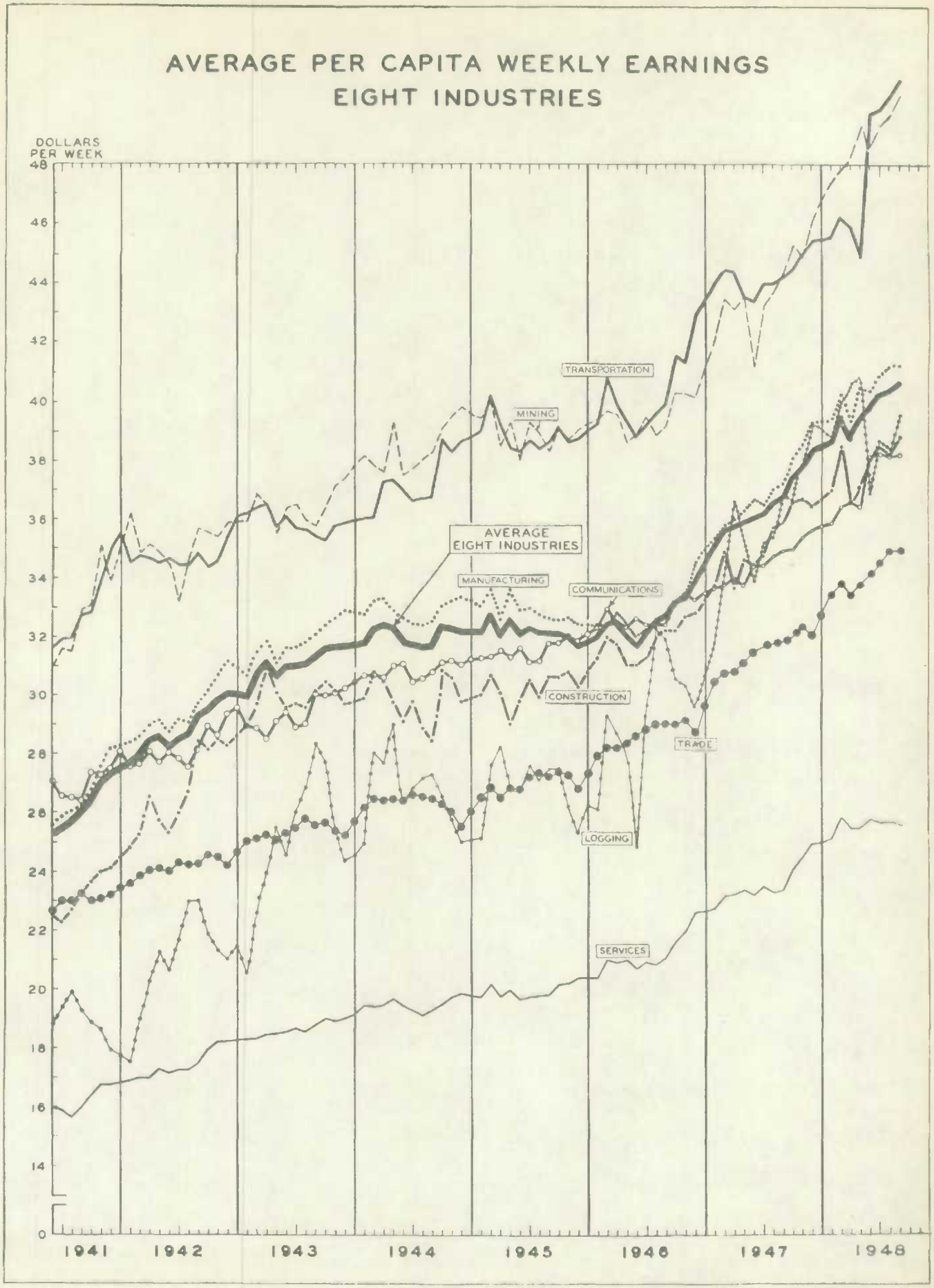
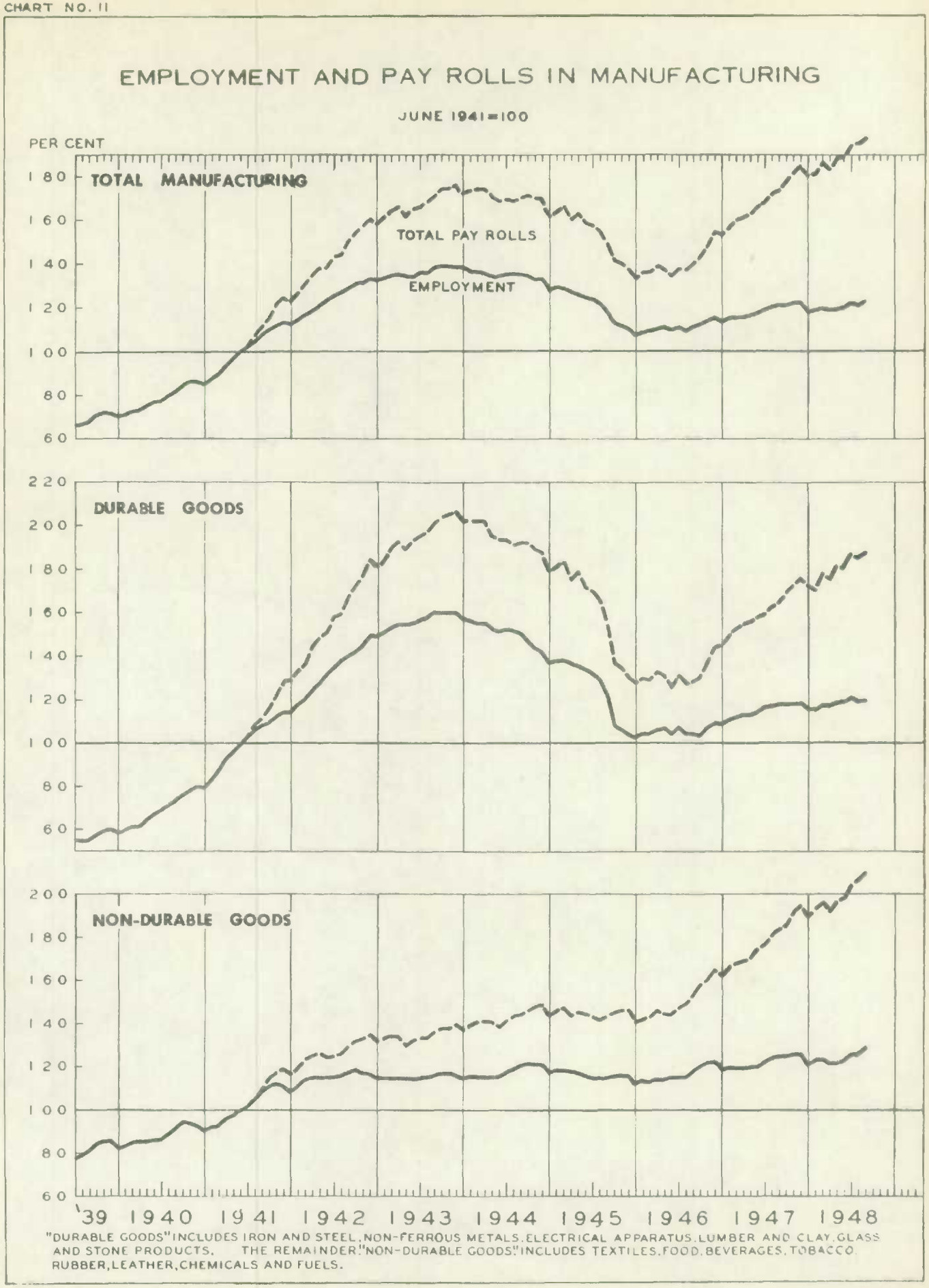

AVERAGE PER CAPITA WEEKLY EARNINGS
EIGHT INDUSTRIES
DOLLARS PER WEEK
48
46
44
42
40
38
36
34
32
30
28
26
24
22
20
18
16
14
0
1941
1942
1943
1944
1945
1946
1947
1948
TRANSPORTATION
MINING
AVERAGE EIGHT INDUSTRIES
MANUFACTURING
COMMUNICATIONS
CONSTRUCTION
TRADE
LOGGING
SERVICES

CHART NO. 11



"DURABLE GOODS" INCLUDES IRON AND STEEL, NON-FERROUS METALS, ELECTRICAL APPARATUS, LUMBER AND CLAY, GLASS AND STONE PRODUCTS. THE REMAINDER "NON-DURABLE GOODS" INCLUDES TEXTILES, FOOD, BEVERAGES, TOBACCO, RUBBER, LEATHER, CHEMICALS AND FUELS.

CHART NO 12

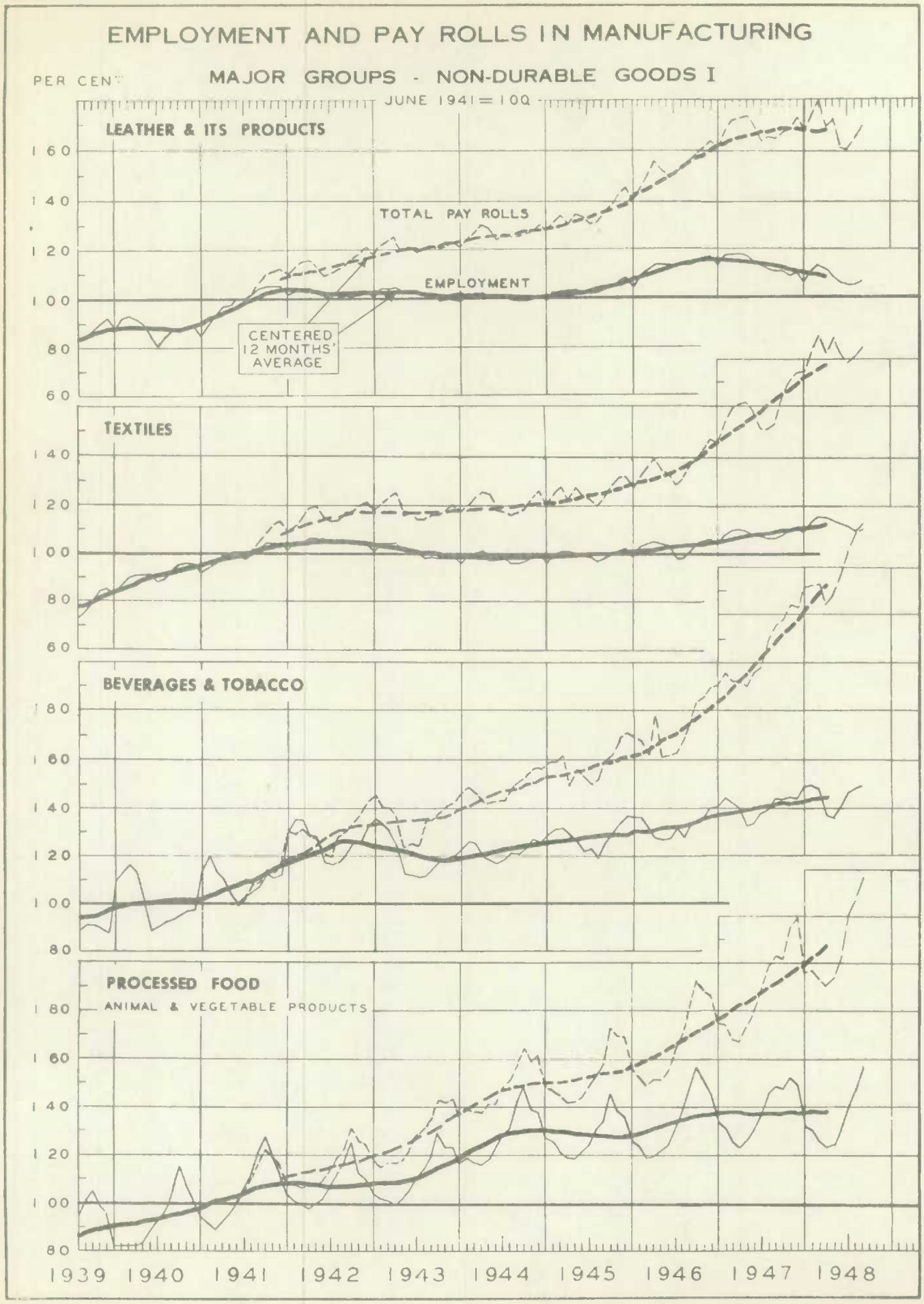

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
MAJOR GROUPS - NON-DURABLE GOODS I
PER CENT
JUNE 1941 = 100
LEATHER & ITS PRODUCTS
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
TEXTILES
BEVERAGES & TOBACCO
PROCESSED FOOD
ANIMAL & VEGETABLE PRODUCTS
160
140
120
100
80
60
180
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 13

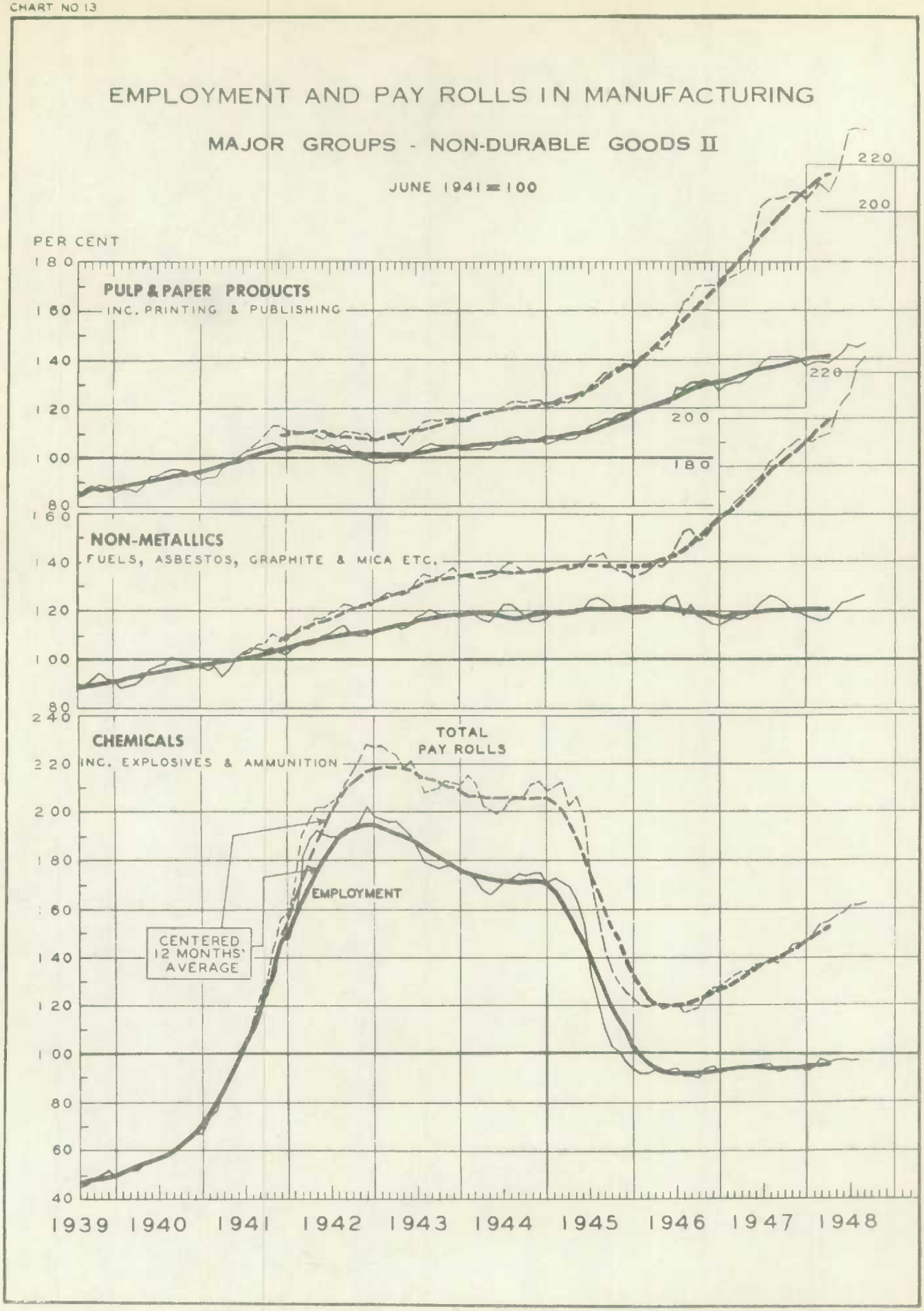

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
MAJOR GROUPS - NON-DURABLE GOODS II
JUNE 1941 = 100
PER CENT
PULP & PAPER PRODUCTS
INC. PRINTING & PUBLISHING
NON-METALLICS
FUELS, ASBESTOS, GRAPHITE & MICA ETC.
CHEMICALS
INC. EXPLOSIVES & AMMUNITION
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

CHART NO 14

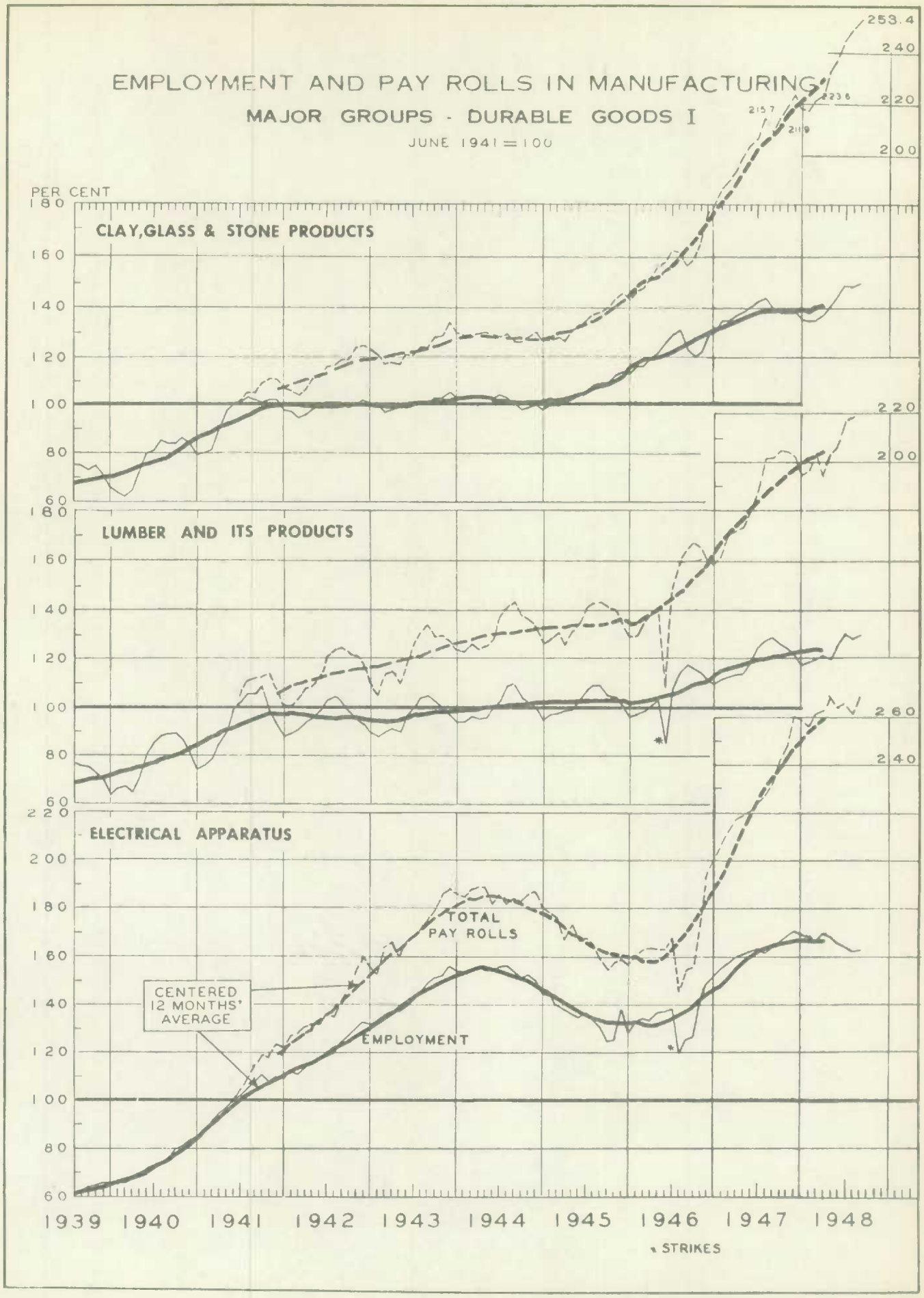

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
MAJOR GROUPS - DURABLE GOODS I
JUNE 1941 = 100
PER CENT
CLAY, GLASS & STONE PRODUCTS
LUMBER AND ITS PRODUCTS
ELECTRICAL APPARATUS
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
253.4
240
220
200
260
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948
* STRIKES

CHART NO 15

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

MAJOR GROUPS - DURABLE GOODS II

JUNE 1941 = 100

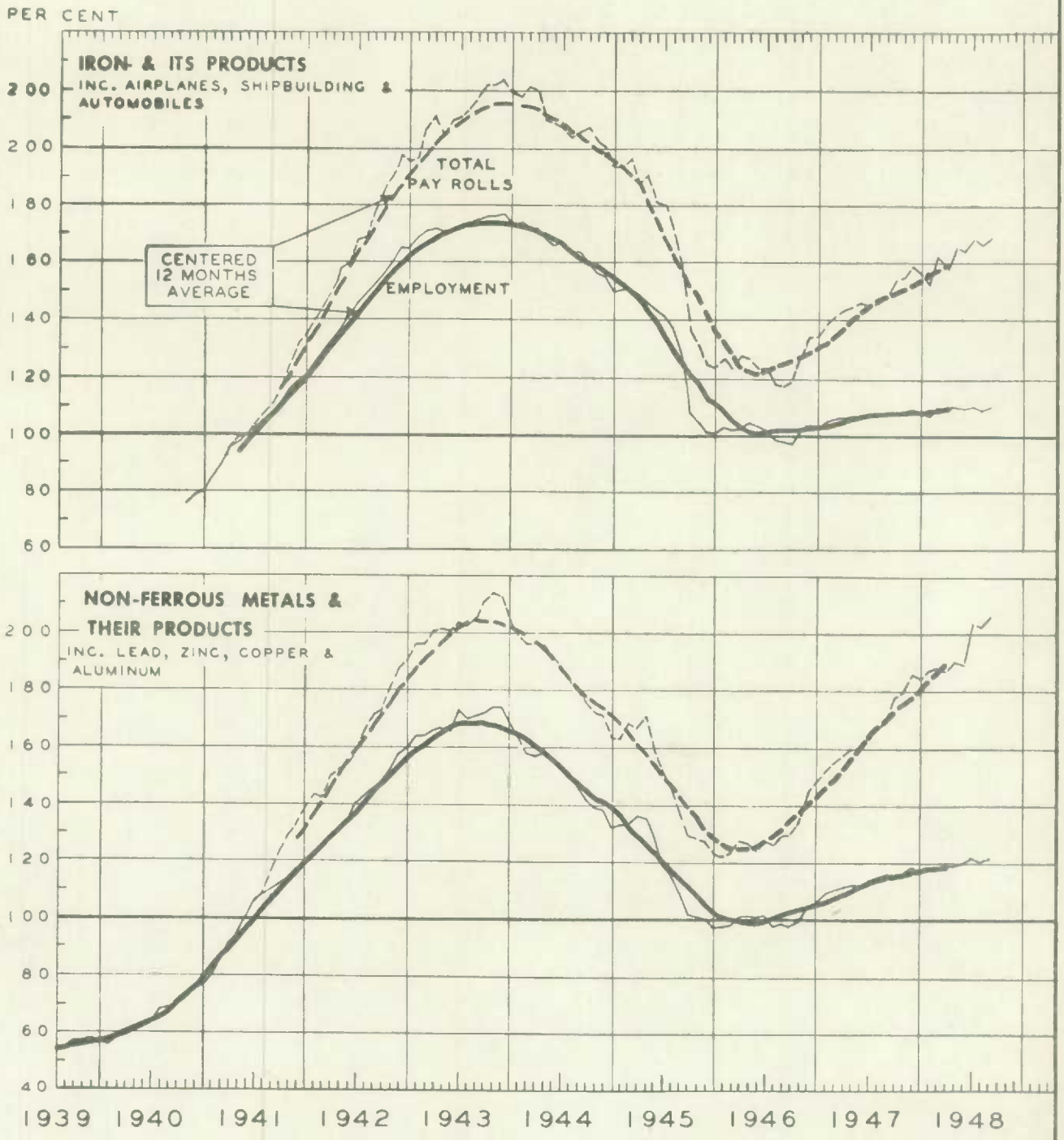


CHART NO. 16

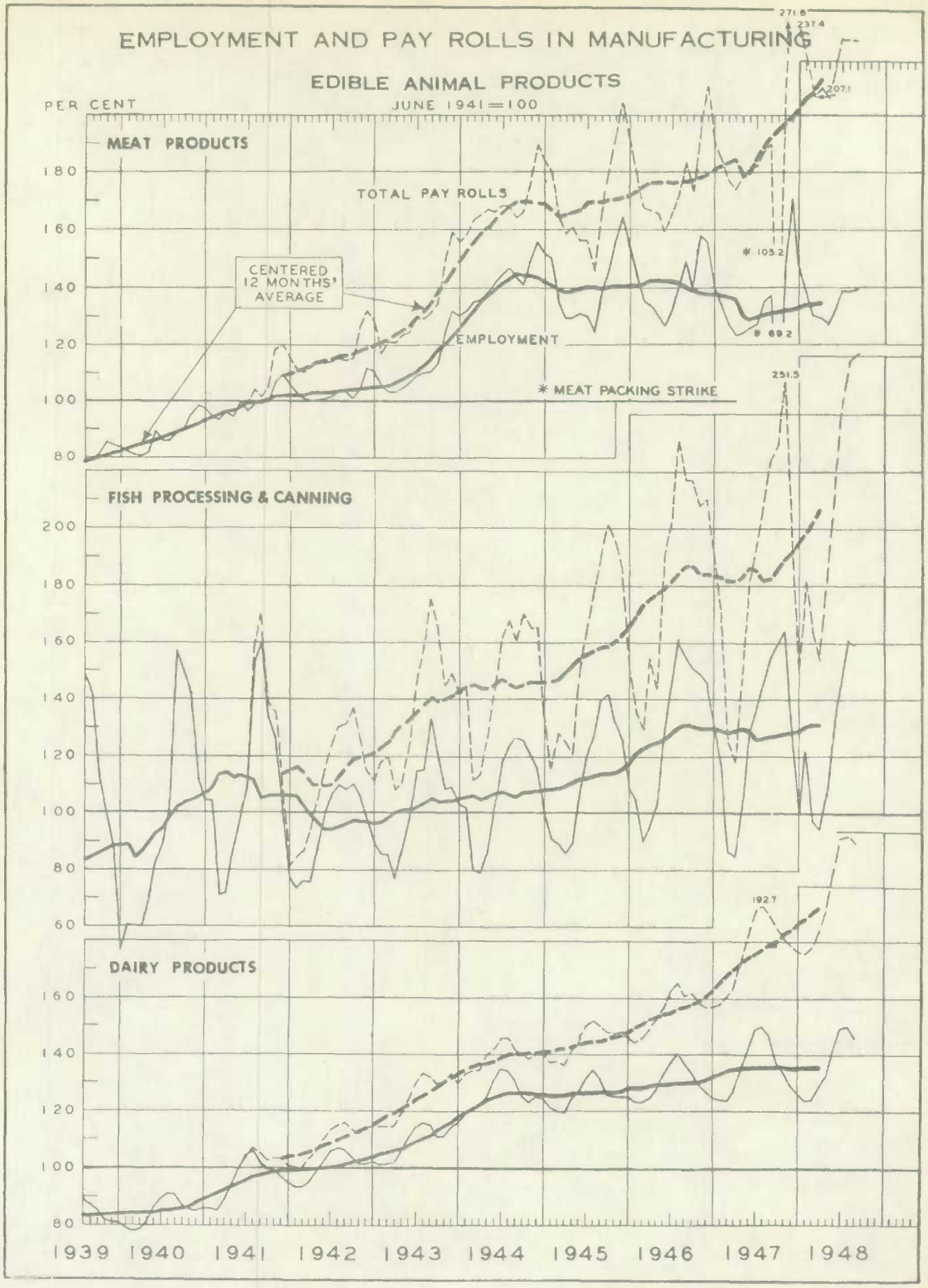

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
EDIBLE ANIMAL PRODUCTS
JUNE 1941=100
PER CENT
MEAT PRODUCTS
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
* MEAT PACKING STRIKE
271.8
237.4
207.1
* 105.2
* 69.2
FISH PROCESSING & CANNING
251.5
DAIRY PRODUCTS
192.7
180
160
140
120
100
80
200
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 17

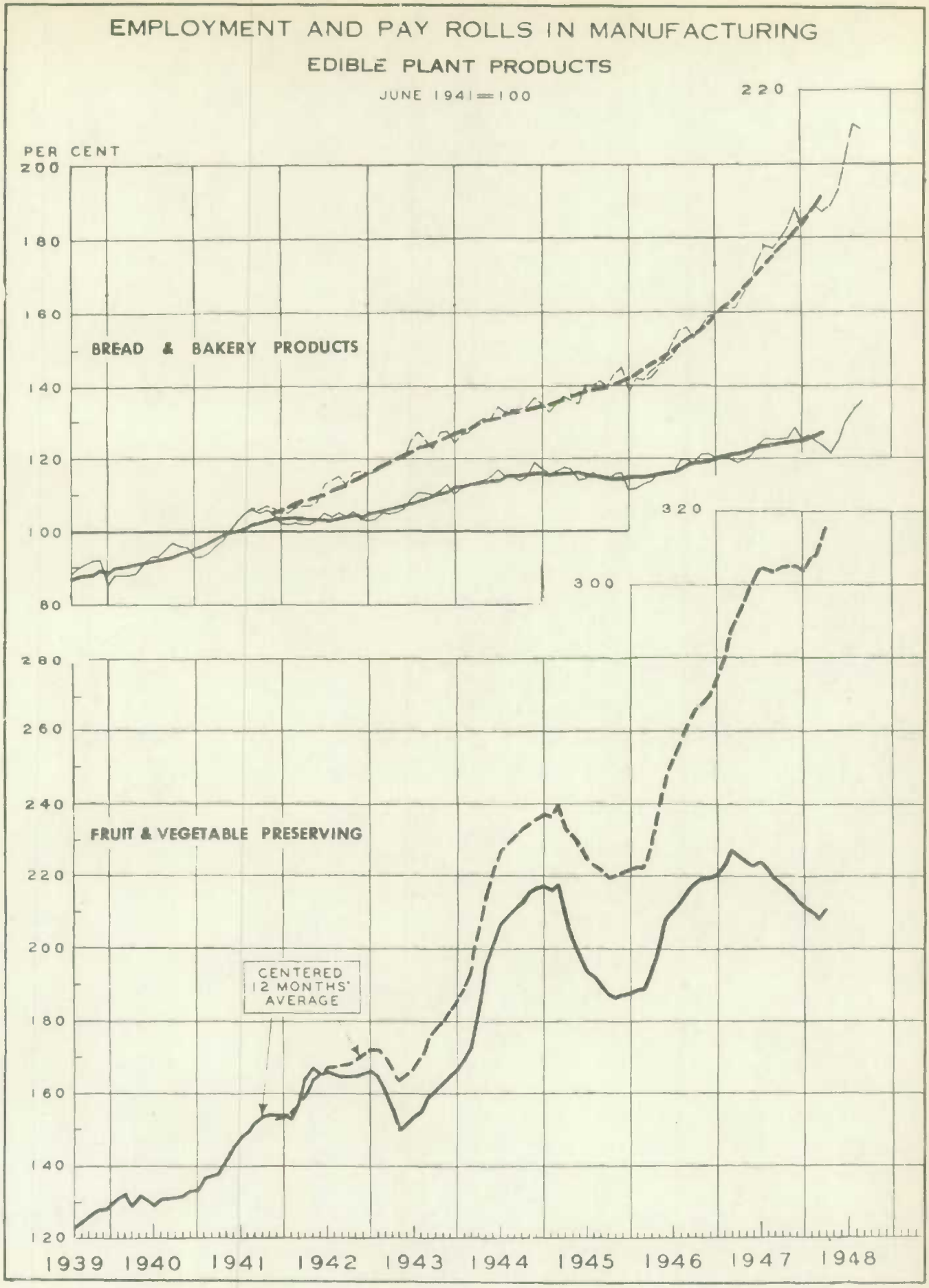

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
EDIBLE PLANT PRODUCTS
JUNE 1941=100
PER CENT
200
180
160
140
120
100
80
220
BREAD & BAKERY PRODUCTS
320
300
280
260
240
220
200
180
160
140
120
FRUIT & VEGETABLE PRESERVING
CENTERED 12 MONTHS' AVERAGE
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 18

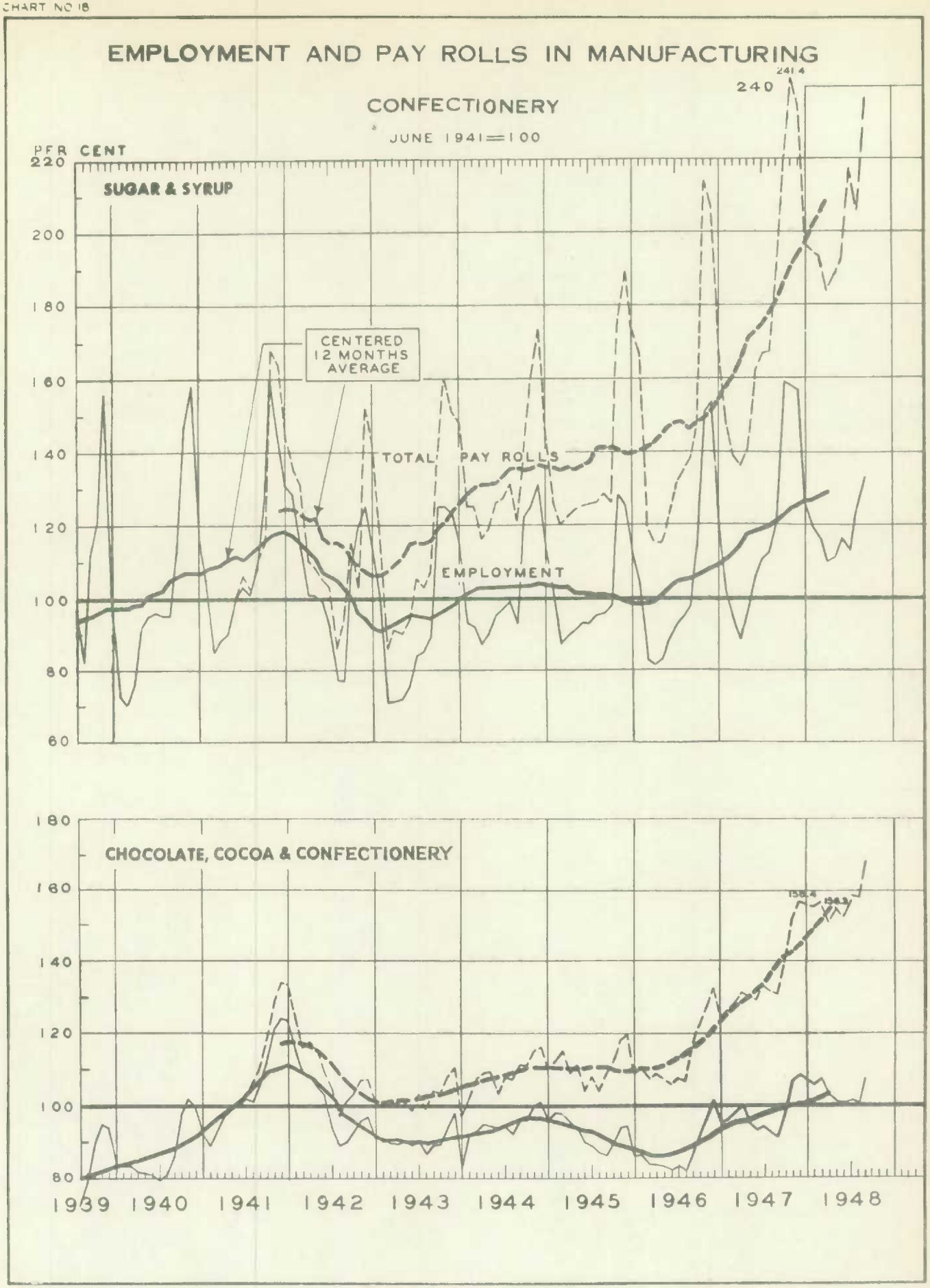

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
CONFECTIONERY
JUNE 1941=100
PER CENT
SUGAR & SYRUP
CENTERED 12 MONTHS AVERAGE
TOTAL PAY ROLLS
EMPLOYMENT
241.4
240
220
200
180
160
140
120
100
80
60
CHOCOLATE, COCOA & CONFECTIONERY
158.4
154.3
180
160
140
120
100
80
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 19

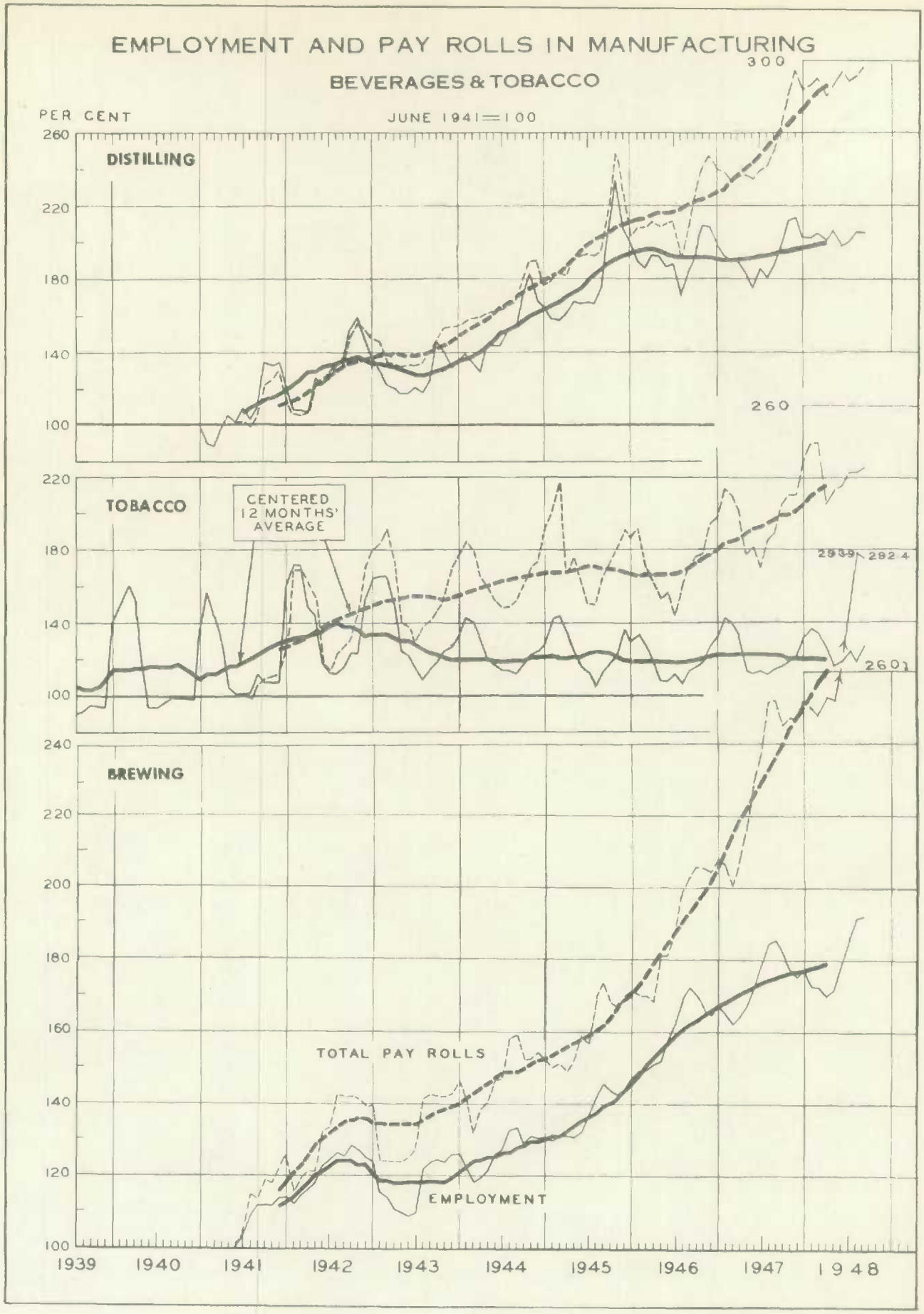

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
BEVERAGES & TOBACCO
PER CENT
JUNE 1941=100
DISTILLING
300
260
TOBACCO
CENTERED 12 MONTHS' AVERAGE
292.4
260.1
BREWING
TOTAL PAY ROLLS
EMPLOYMENT
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 20

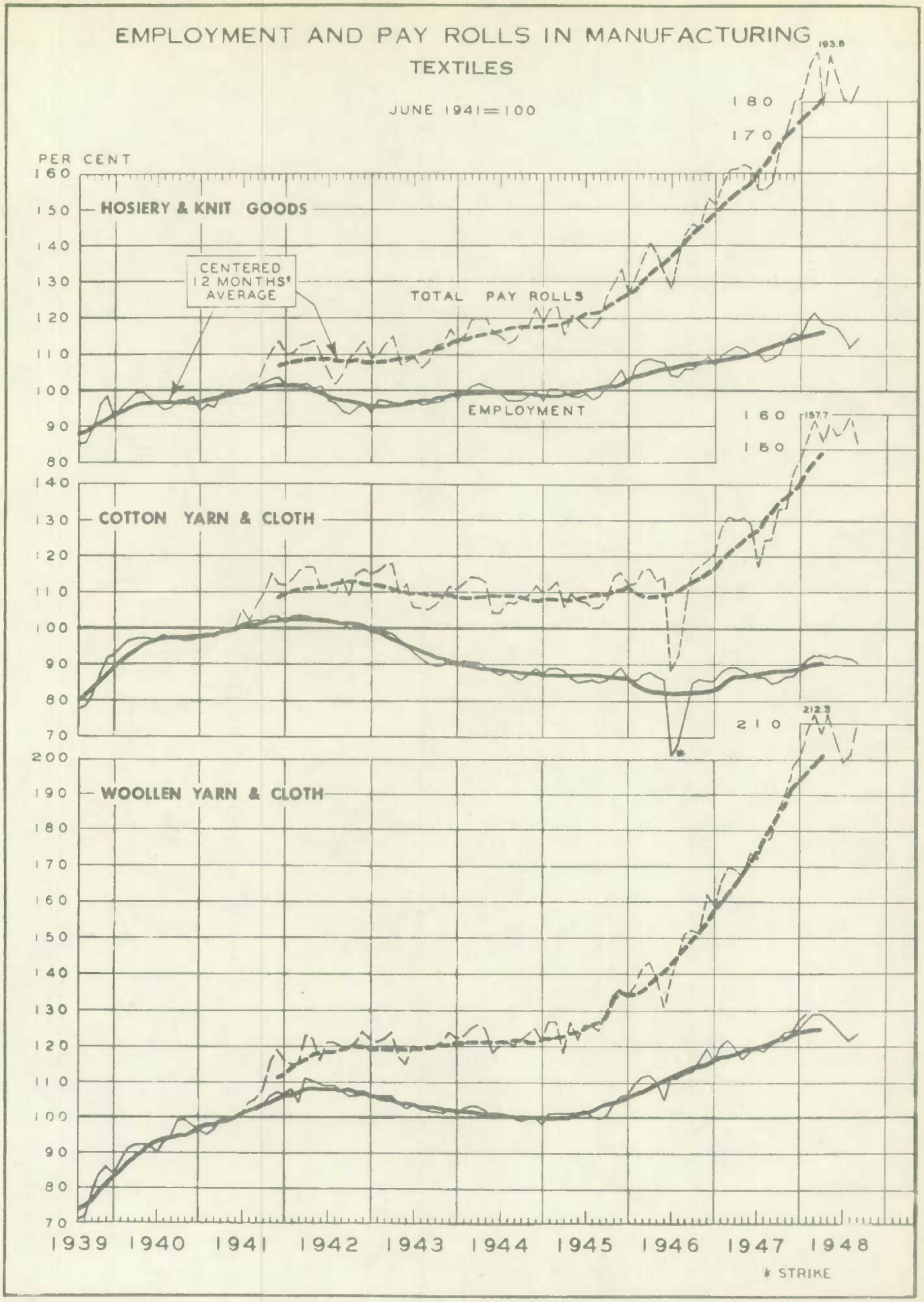

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
TEXTILES
JUNE 1941=100
PER CENT
HOSIERY & KNIT GOODS
CENTERED 12 MONTHS' AVERAGE
TOTAL PAY ROLLS
EMPLOYMENT
193.8
180
170
160
150
140
130
120
110
100
90
80
COTTON YARN & CLOTH
157.7
160
150
140
130
120
110
100
90
80
70
WOOLLEN YARN & CLOTH
212.3
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
* STRIKE

CHART NO 21

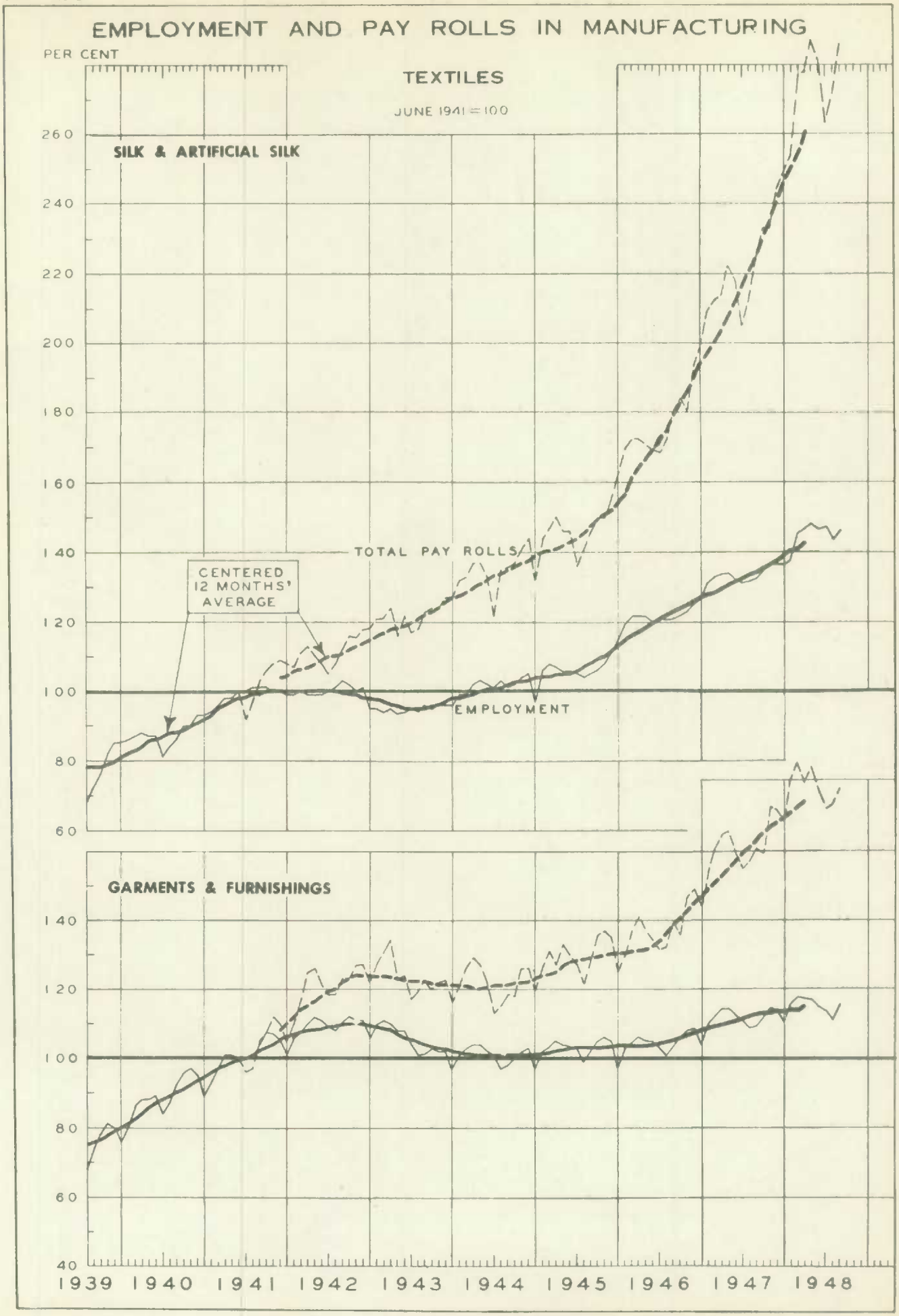

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
PER CENT
TEXTILES
JUNE 1941 = 100
SILK & ARTIFICIAL SILK
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
GARMENTS & FURNISHINGS
260
240
220
200
180
160
140
120
100
80
60
40
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 22

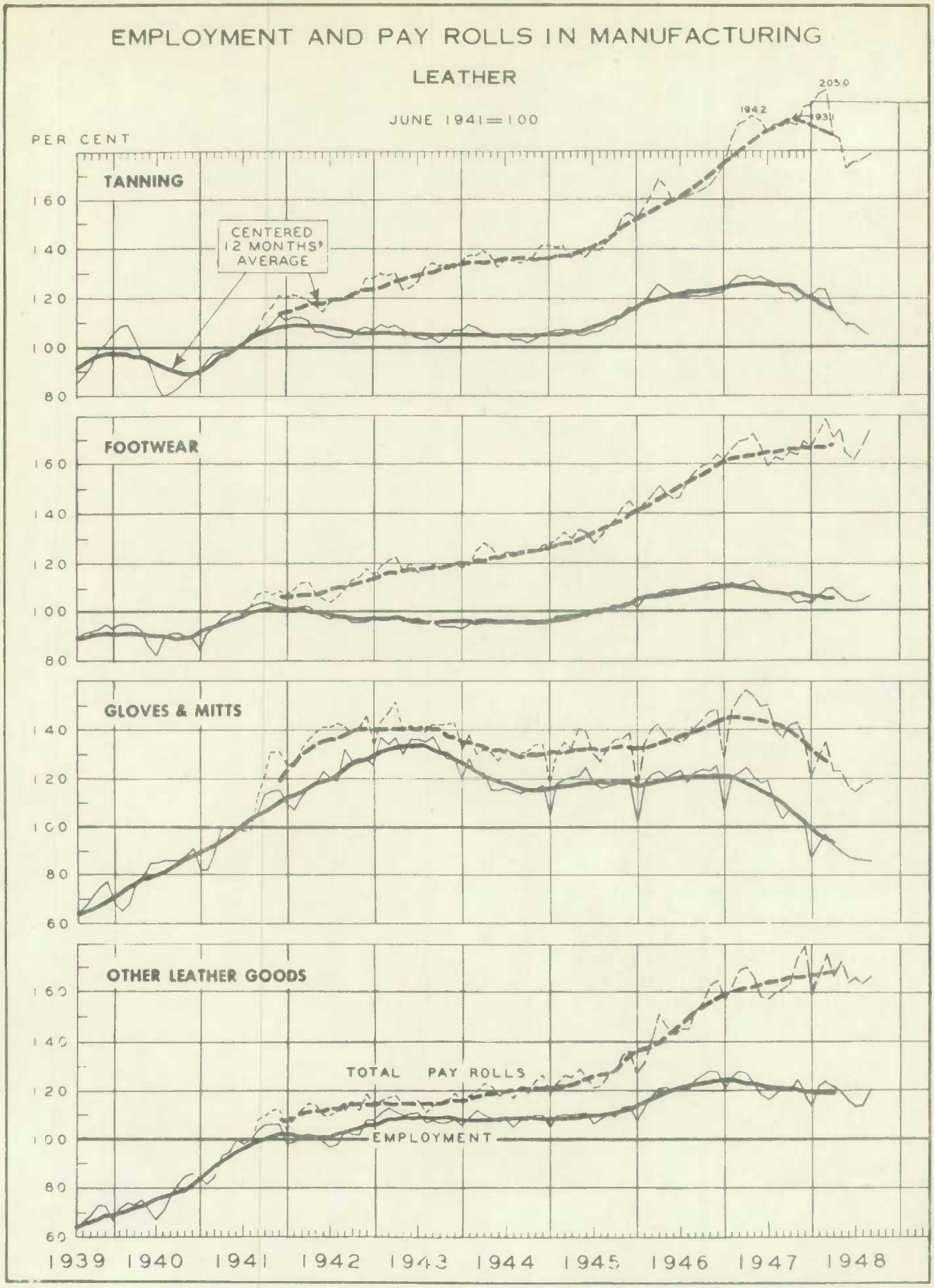

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
LEATHER
JUNE 1941=100
PER CENT
TANNING
CENTERED 12 MONTHS' AVERAGE
1942
2050
1931
FOOTWEAR
GLOVES & MITTS
OTHER LEATHER GOODS
TOTAL PAY ROLLS
EMPLOYMENT
160
140
120
100
80
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 23

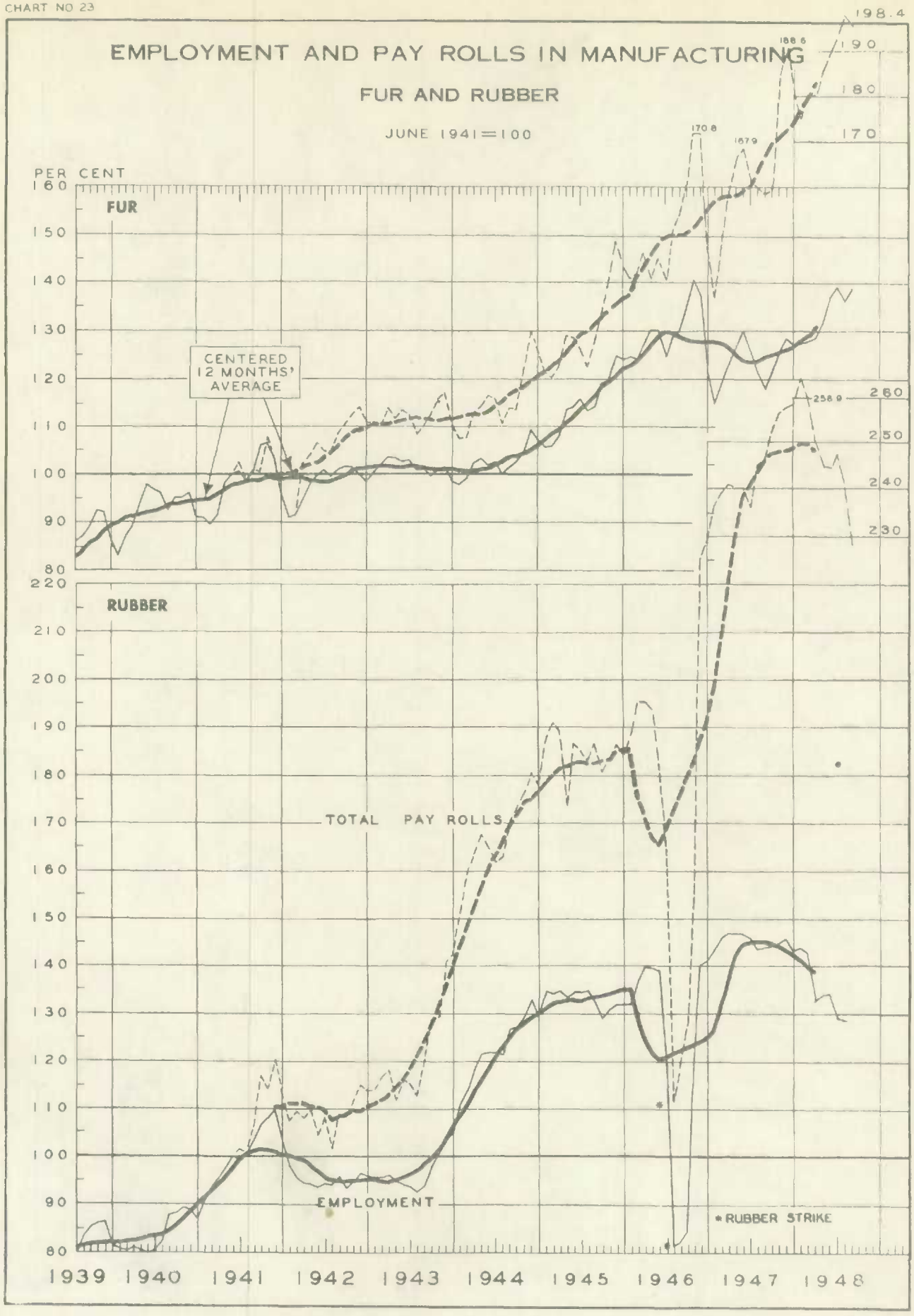

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
FUR AND RUBBER
JUNE 1941=100
PER CENT
FUR
RUBBER
CENTERED 12 MONTHS' AVERAGE
TOTAL PAY ROLLS
EMPLOYMENT
* RUBBER STRIKE
198.4
188.6
170.8
167.9
258.9
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

CHART NO 24

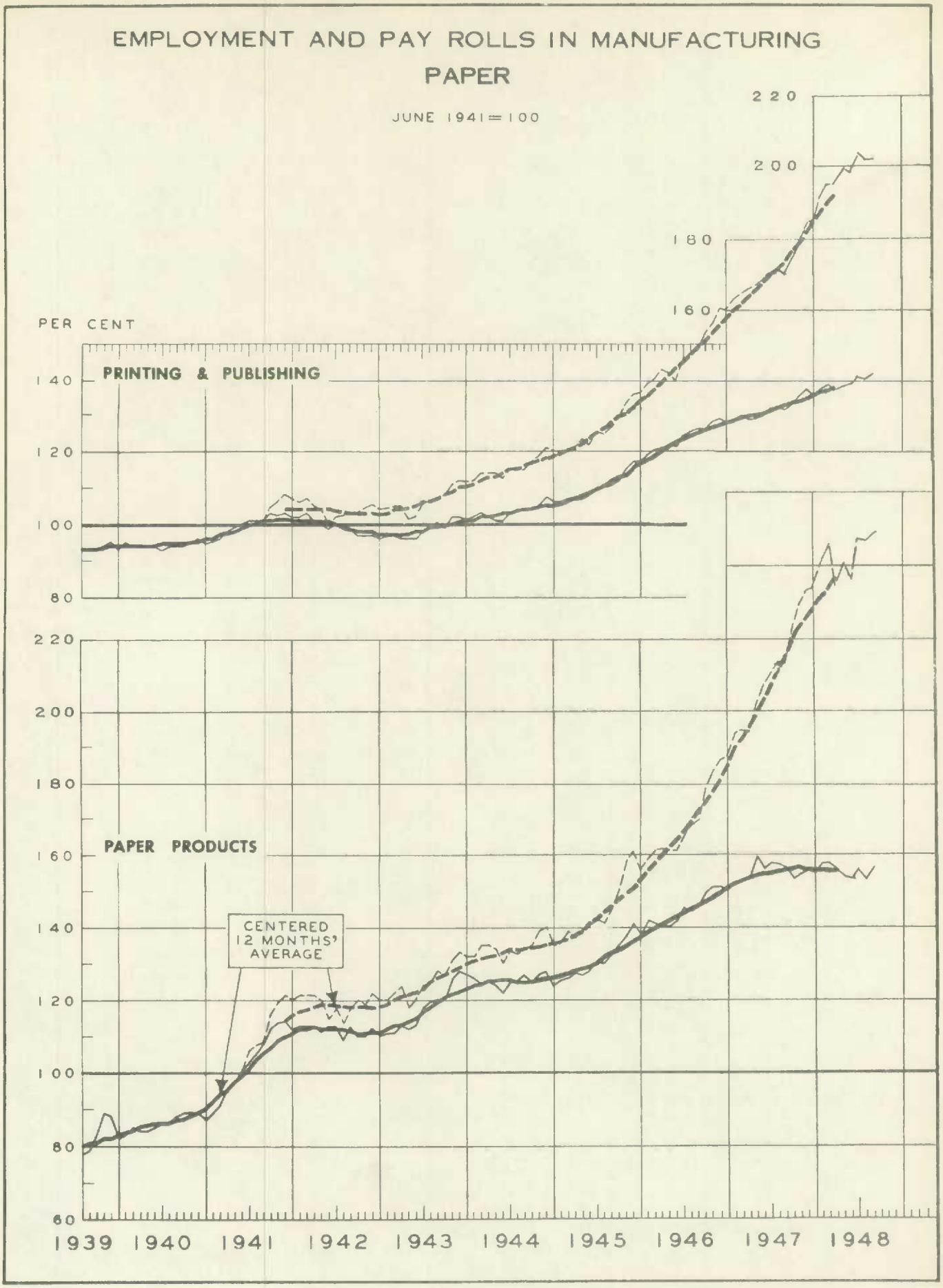

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
PAPER
JUNE 1941 = 100
PER CENT
PRINTING & PUBLISHING
PAPER PRODUCTS
CENTERED 12 MONTHS' AVERAGE
220
200
180
160
140
120
100
80
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 25

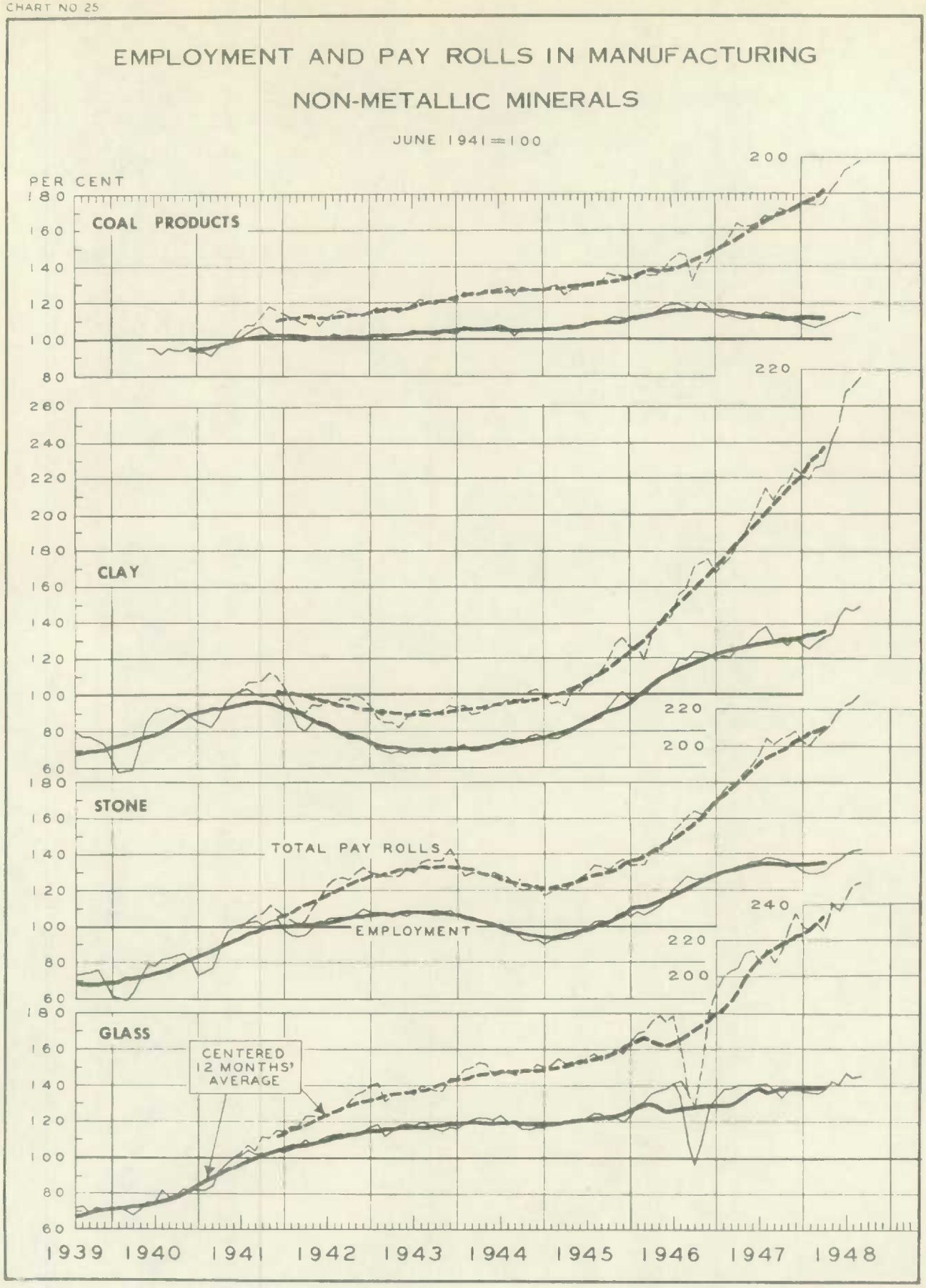

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
NON-METALLIC MINERALS
JUNE 1941=100
PER CENT
COAL PRODUCTS
CLAY
STONE
GLASS
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
200
220
240
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

CHART NO 26

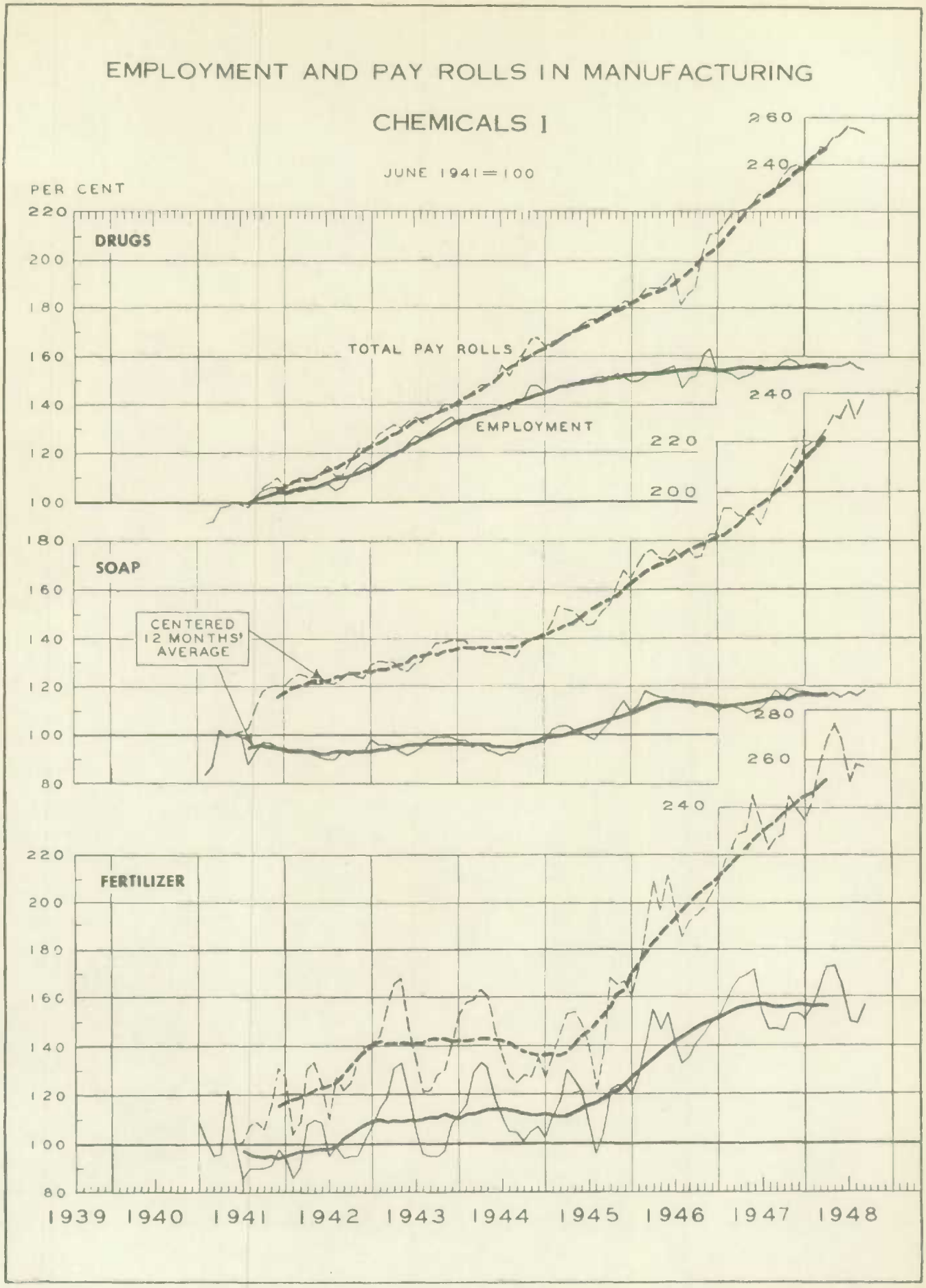

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
CHEMICALS I
JUNE 1941 = 100
PER CENT
DRUGS
TOTAL PAY ROLLS
EMPLOYMENT
SOAP
CENTERED 12 MONTHS' AVERAGE
FERTILIZER
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948

CHART NO 27

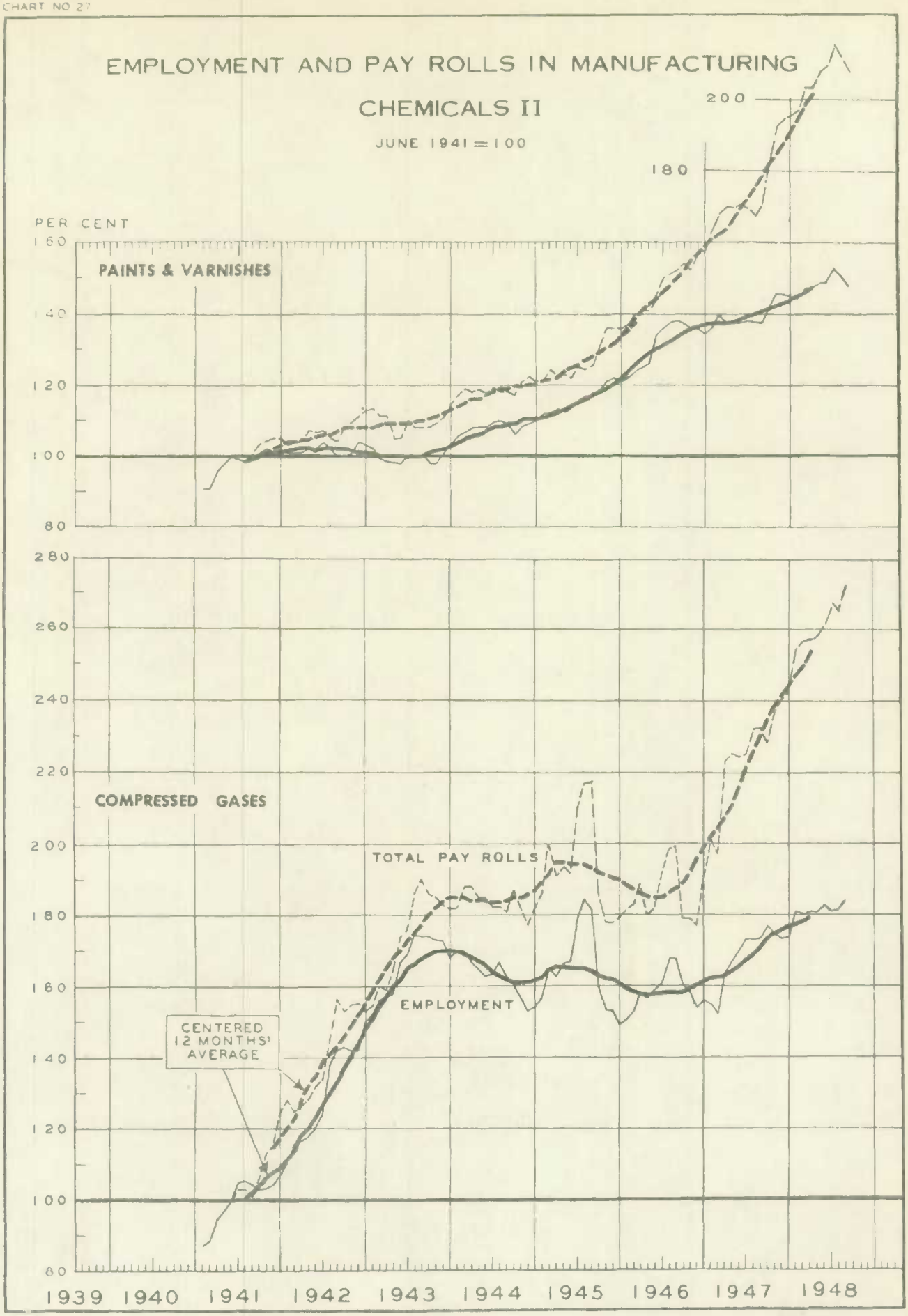

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
CHEMICALS II
JUNE 1941 = 100
PER CENT
PAINTS & VARNISHES
COMPRESSED GASES
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
200
180
160
140
120
100
80
280
260
240
220
200
180
160
140
120
100
80
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 28

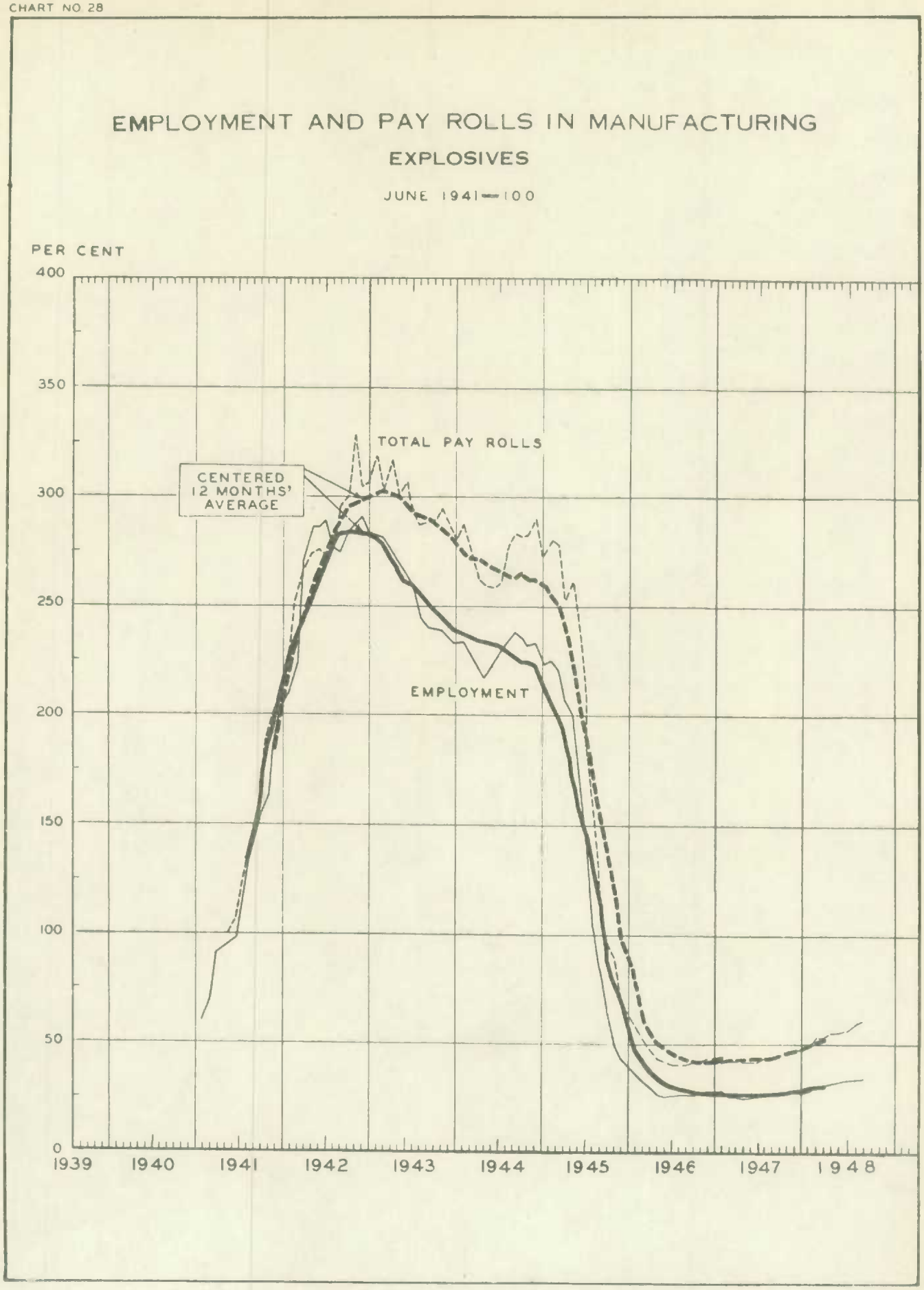
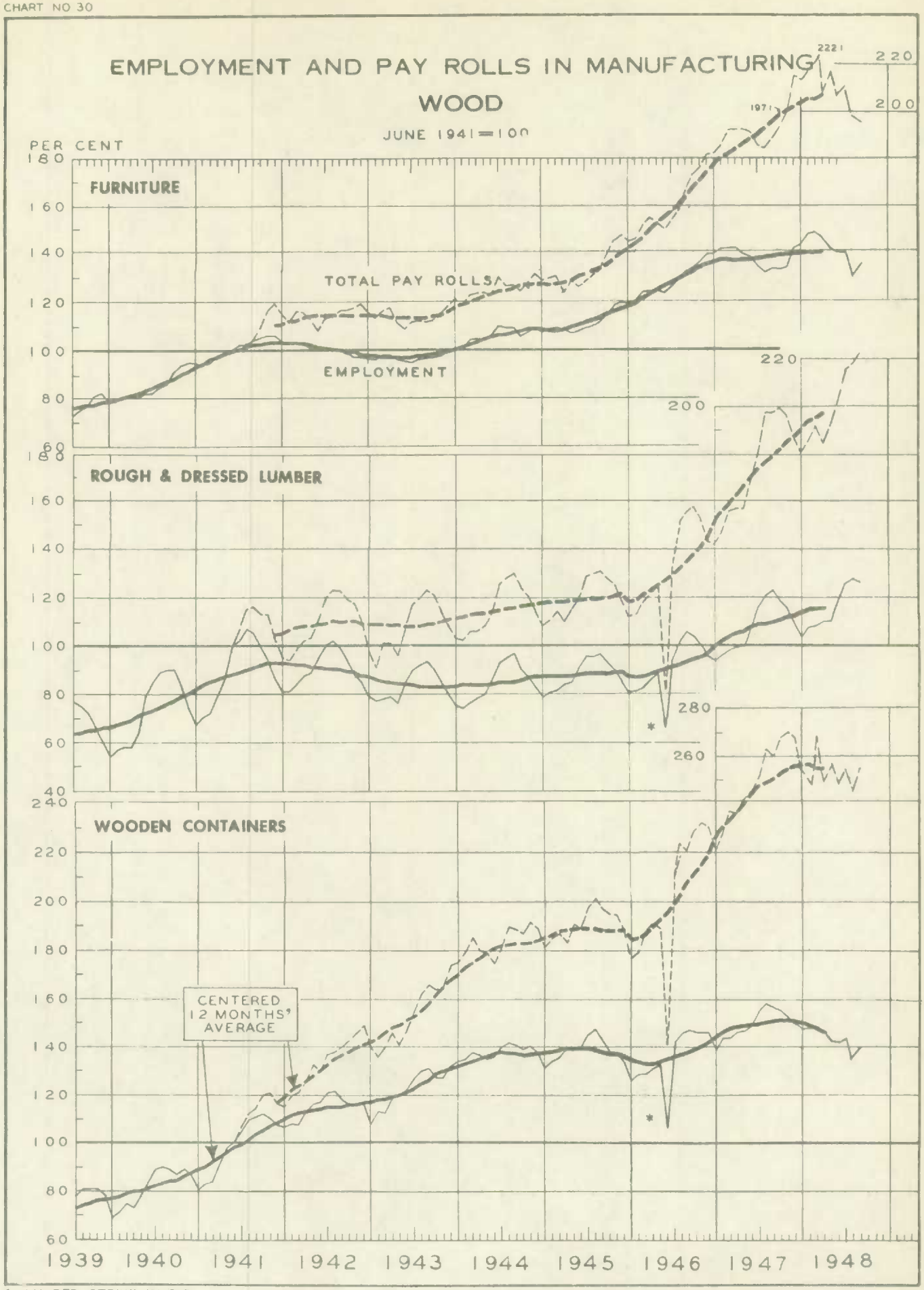

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
EXPLOSIVES
JUNE 1941=100
PER CENT
400
350
300
250
200
150
100
50
0
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT

CHART NO 30



* LUMBER STRIKE IN B.C.

CHART NO 31

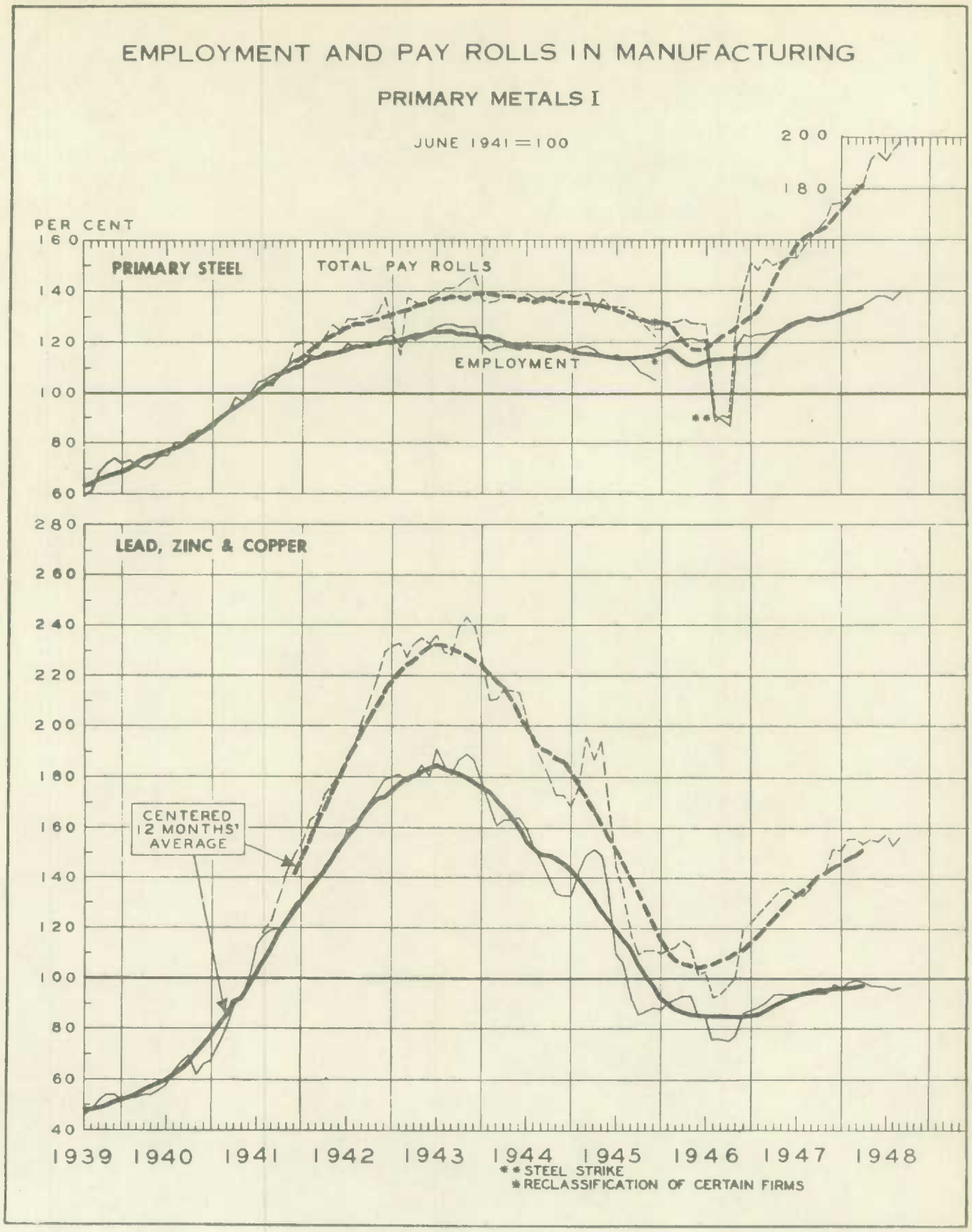

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
PRIMARY METALS I
JUNE 1941 = 100
PER CENT
PRIMARY STEEL
TOTAL PAY ROLLS
EMPLOYMENT
LEAD, ZINC & COPPER
CENTERED 12 MONTHS' AVERAGE
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948
** STEEL STRIKE
* RECLASSIFICATION OF CERTAIN FIRMS

CHART NO 32

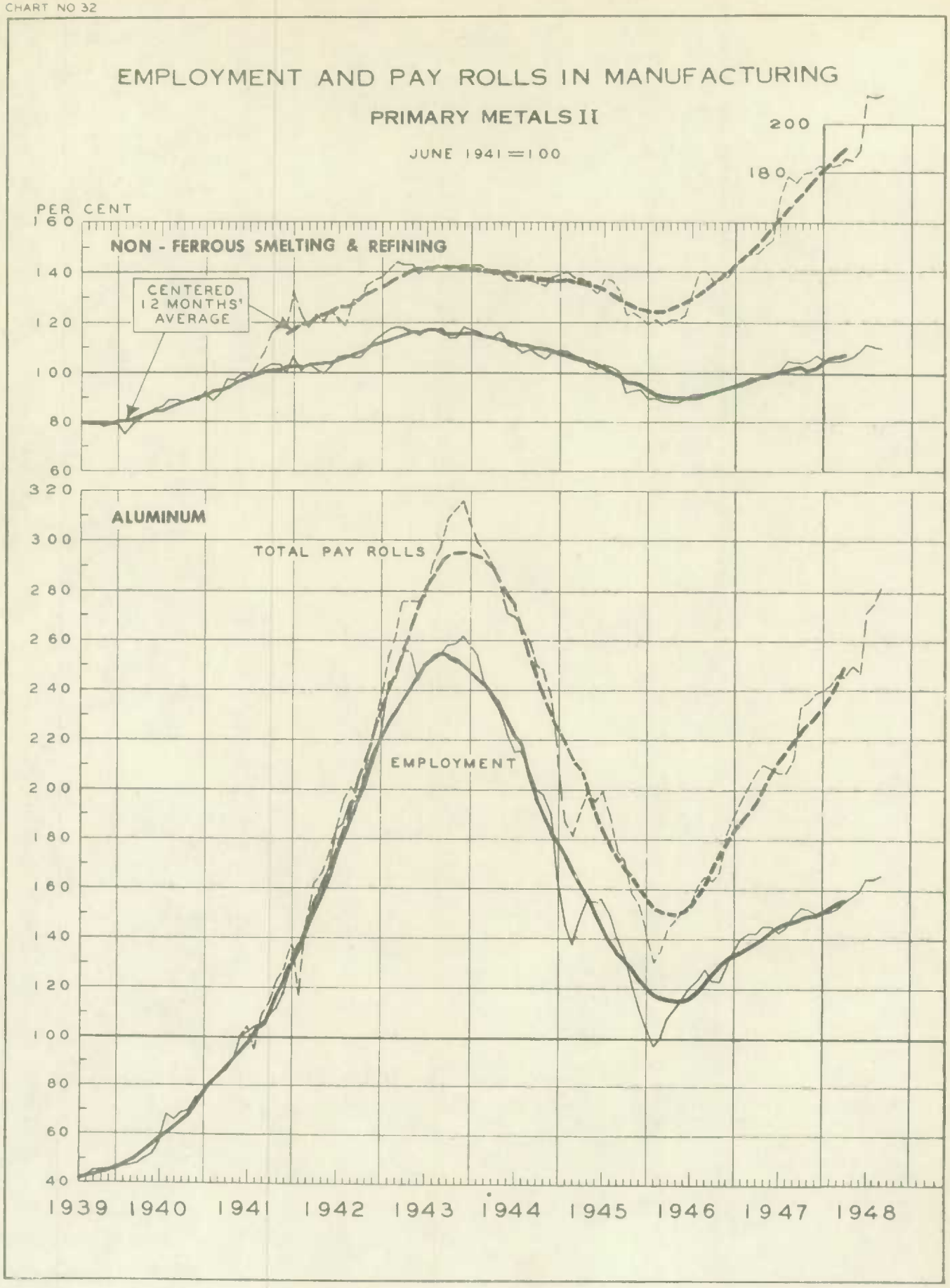

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
PRIMARY METALS II
JUNE 1941 = 100
PER CENT
NON - FERROUS SMELTING & REFINING
CENTERED 12 MONTHS' AVERAGE
ALUMINUM
TOTAL PAY ROLLS
EMPLOYMENT
200
180
160
140
120
100
80
60
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 33

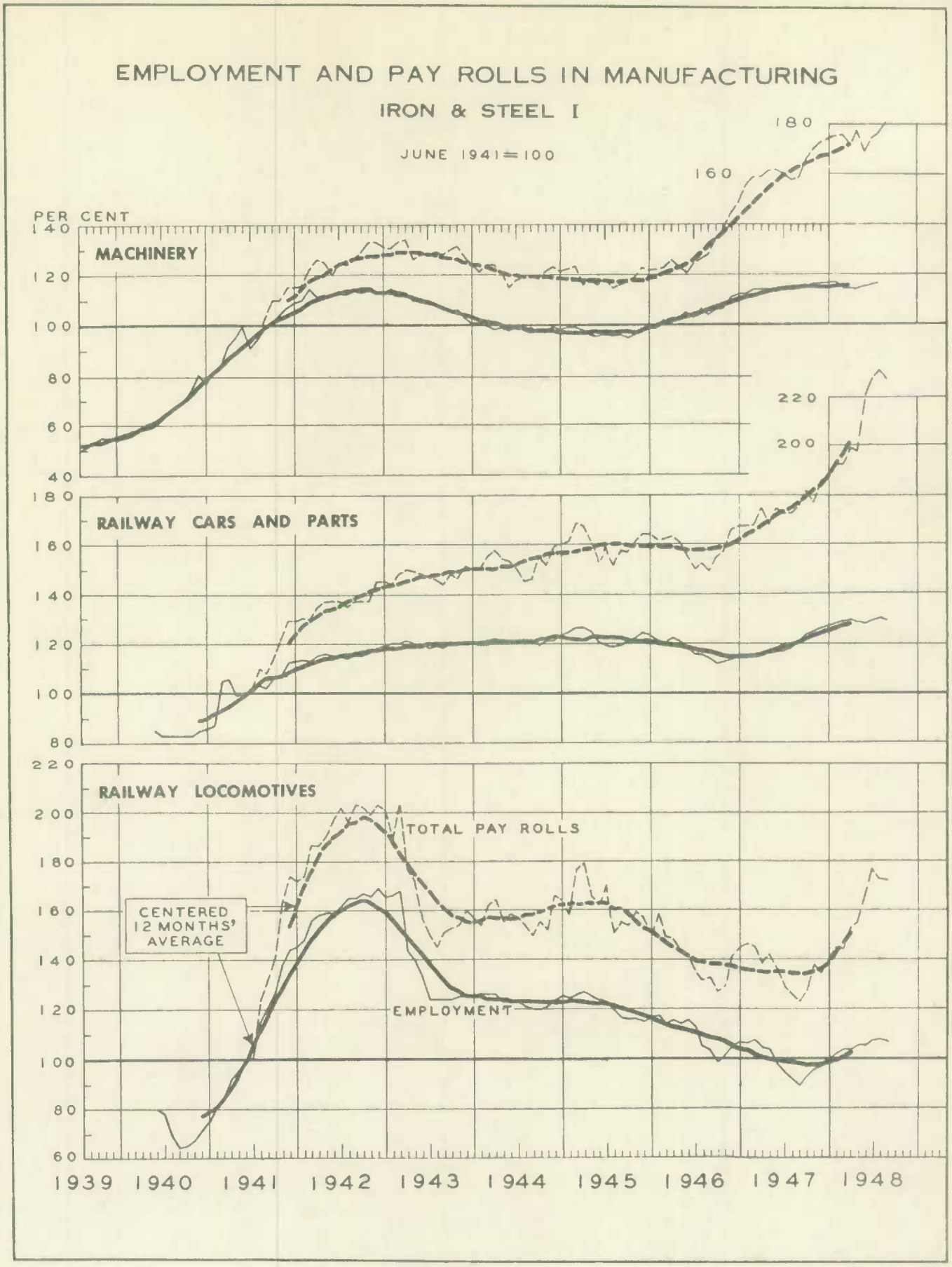
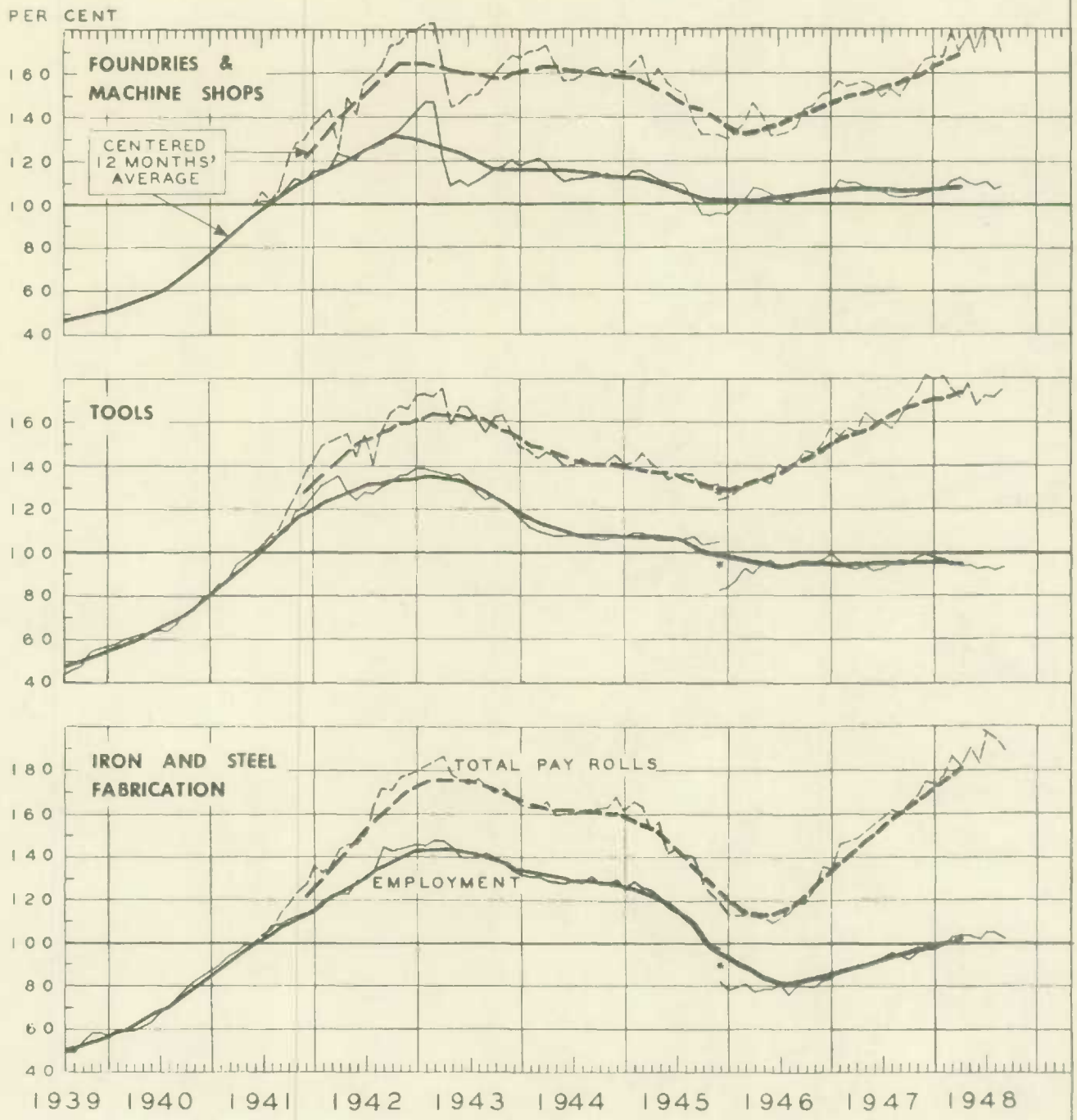

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
IRON & STEEL I
JUNE 1941=100
PER CENT
MACHINERY
RAILWAY CARS AND PARTS
RAILWAY LOCOMOTIVES
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 34

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING

IRON & STEEL II

JUNE 1941=100



* RECLASSIFICATION FOR CERTAIN FIRMS

CHART NO. 35

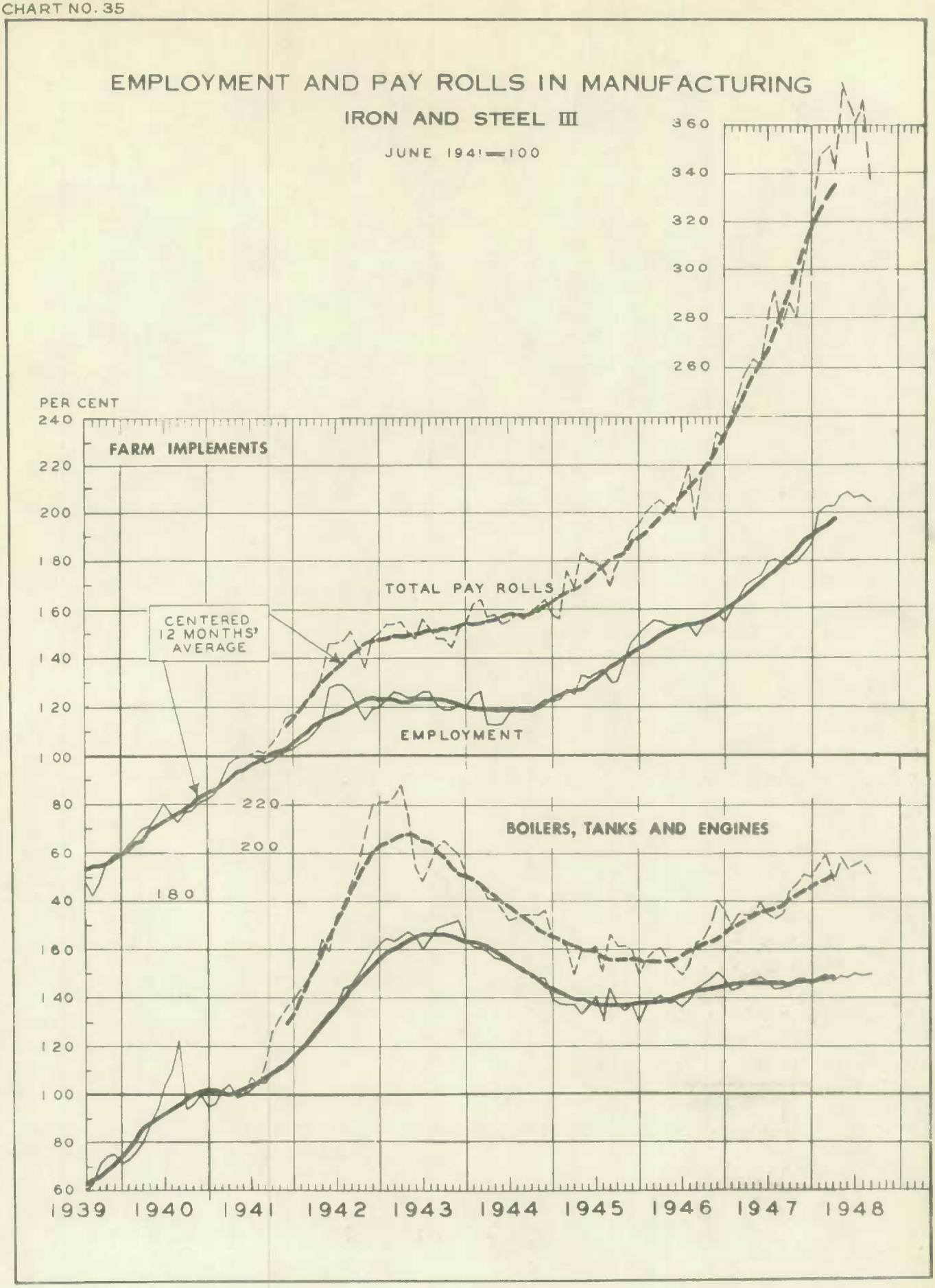

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
IRON AND STEEL III
JUNE 1941=100
PER CENT
FARM IMPLEMENTS
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
BOILERS, TANKS AND ENGINES
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 36

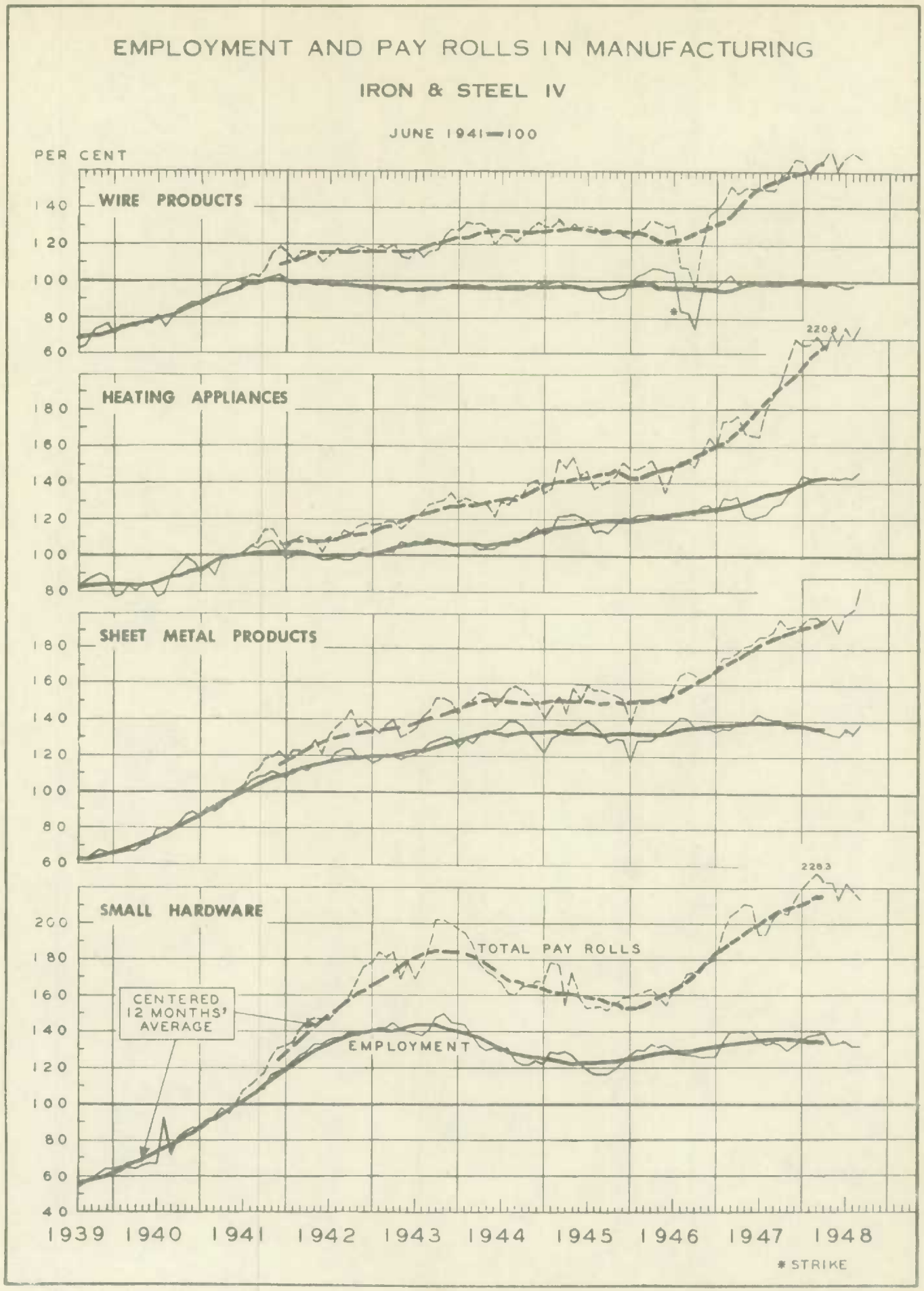

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
IRON & STEEL IV
JUNE 1941=100
PER CENT
WIRE PRODUCTS
HEATING APPLIANCES
2209
SHEET METAL PRODUCTS
SMALL HARDWARE
2283
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
1939 1940 1941 1942 1943 1944 1945 1946 1947 1948
* STRIKE

CHART NO 37

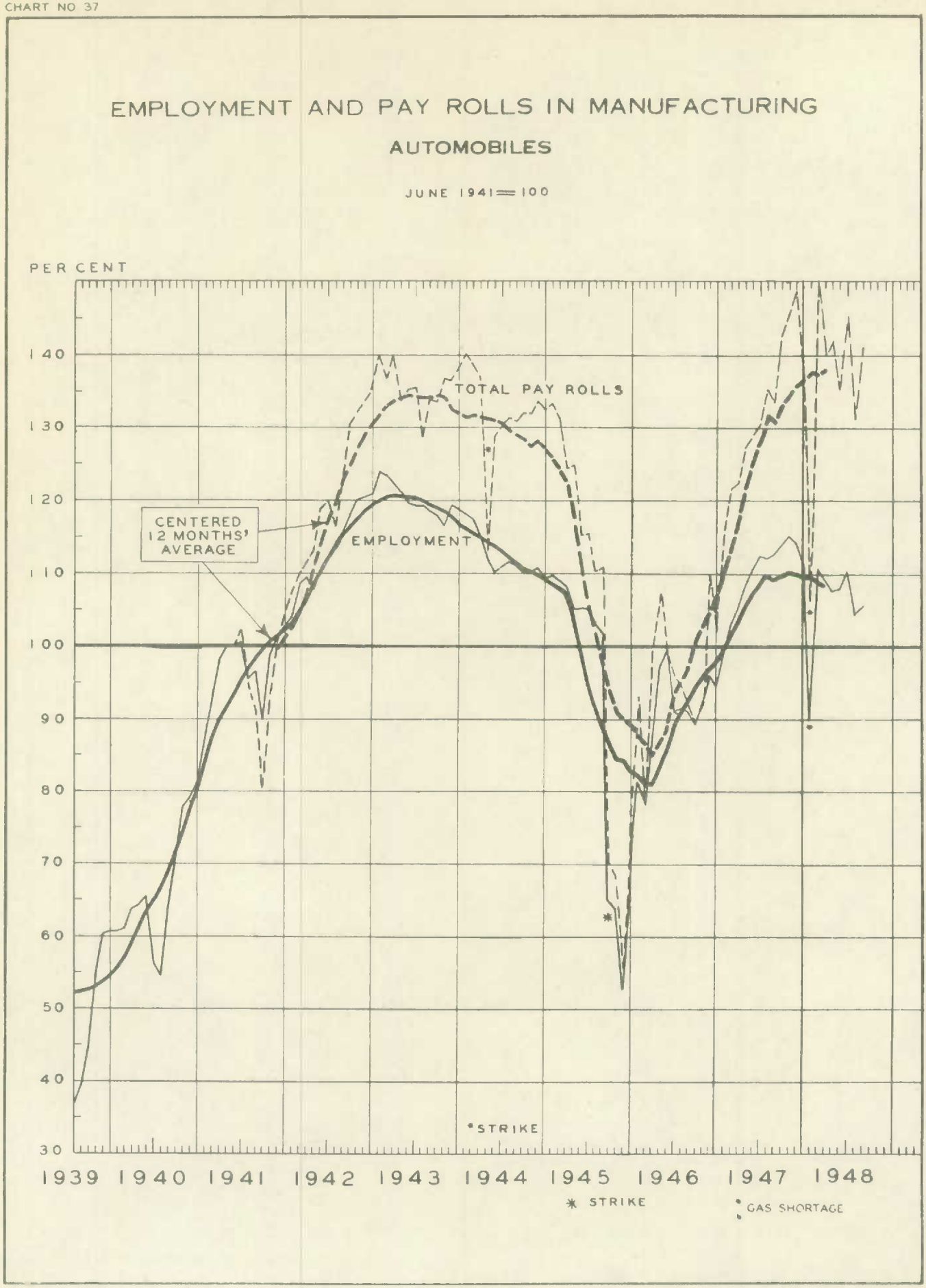

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
AUTOMOBILES
JUNE 1941 = 100
PER CENT
140
130
120
110
100
90
80
70
60
50
40
30
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
*STRIKE
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
* STRIKE
• GAS SHORTAGE

CHART NO 38

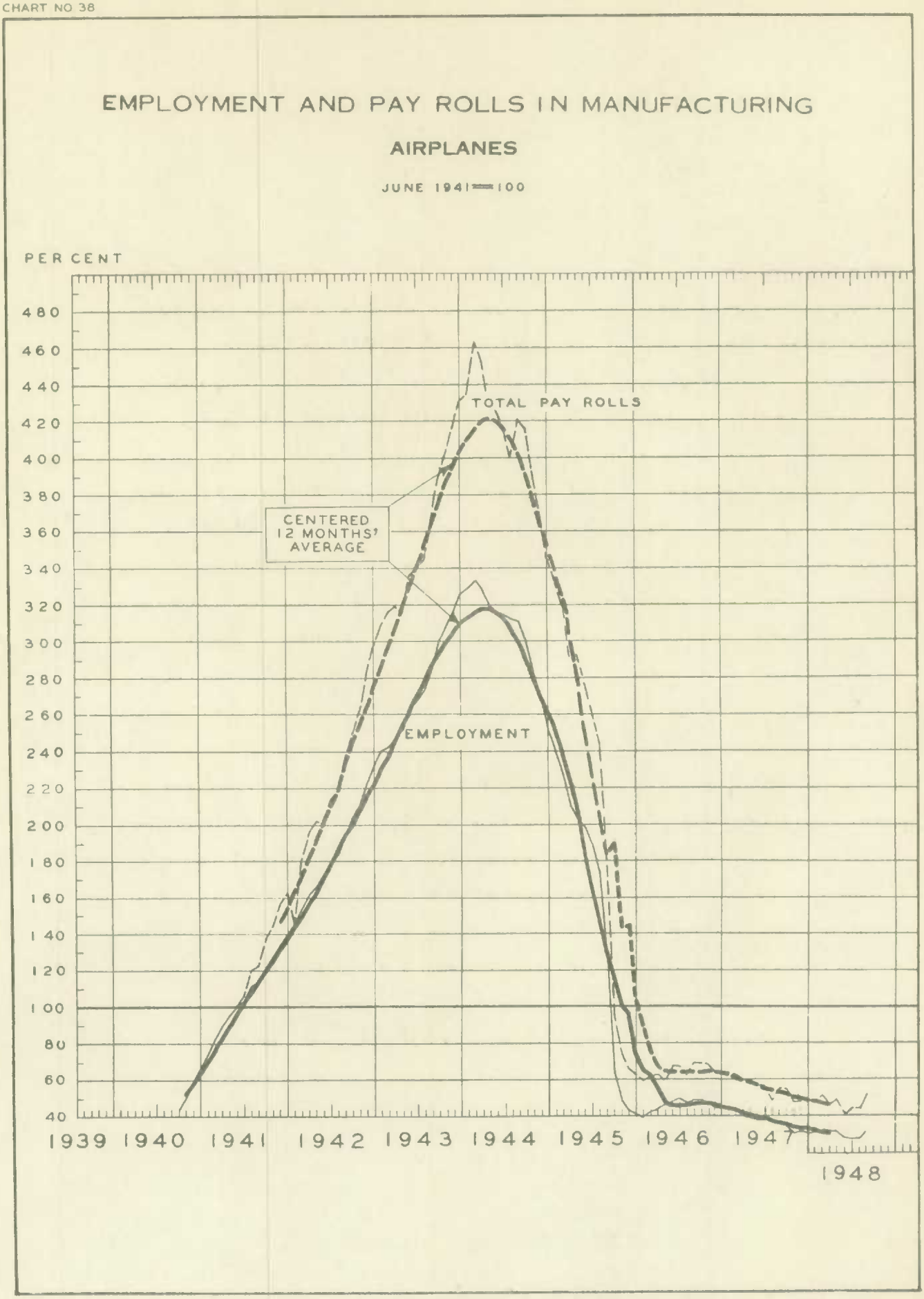

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
AIRPLANES
JUNE 1941 = 100
PER CENT
480
460
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 39

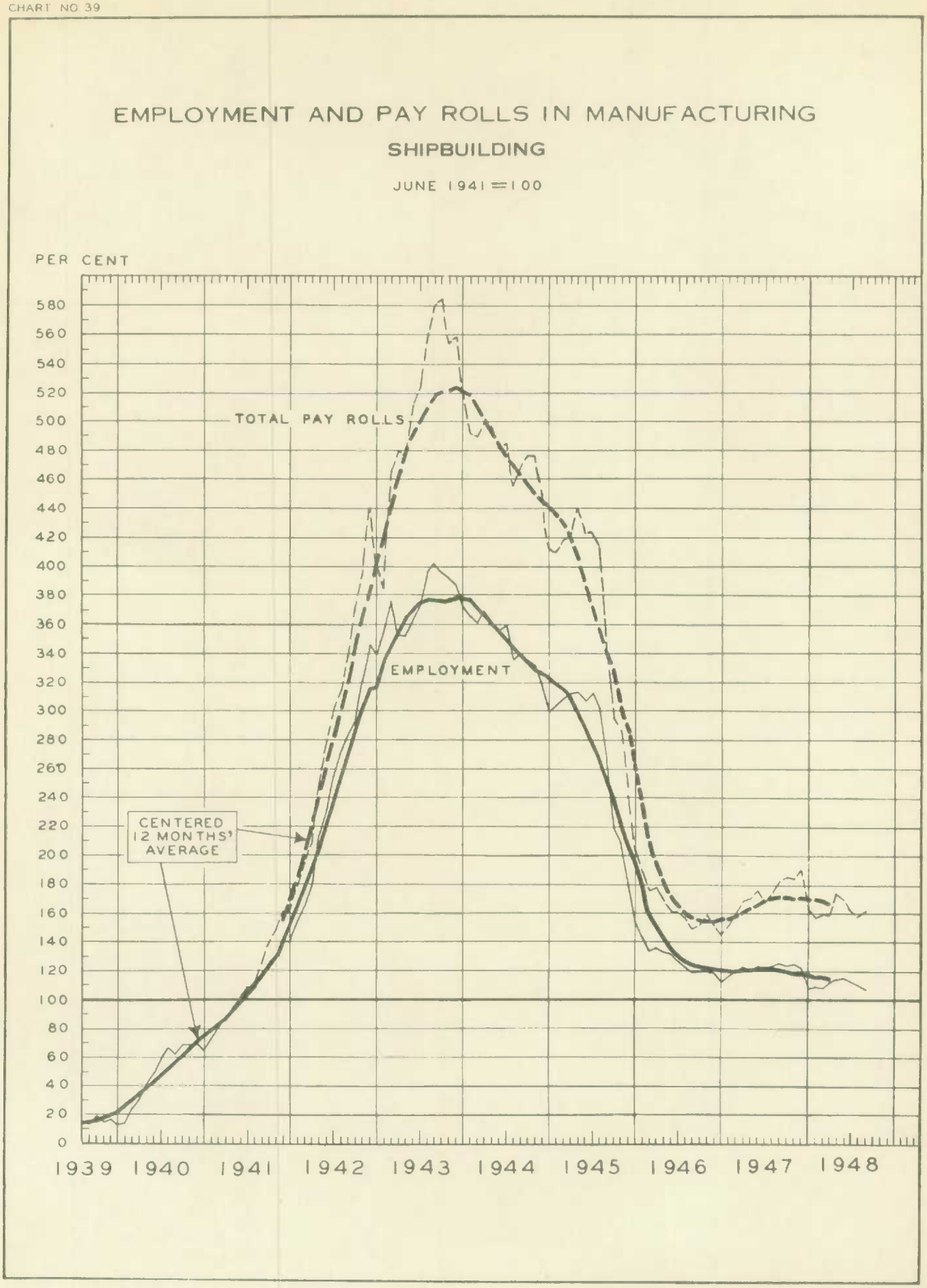
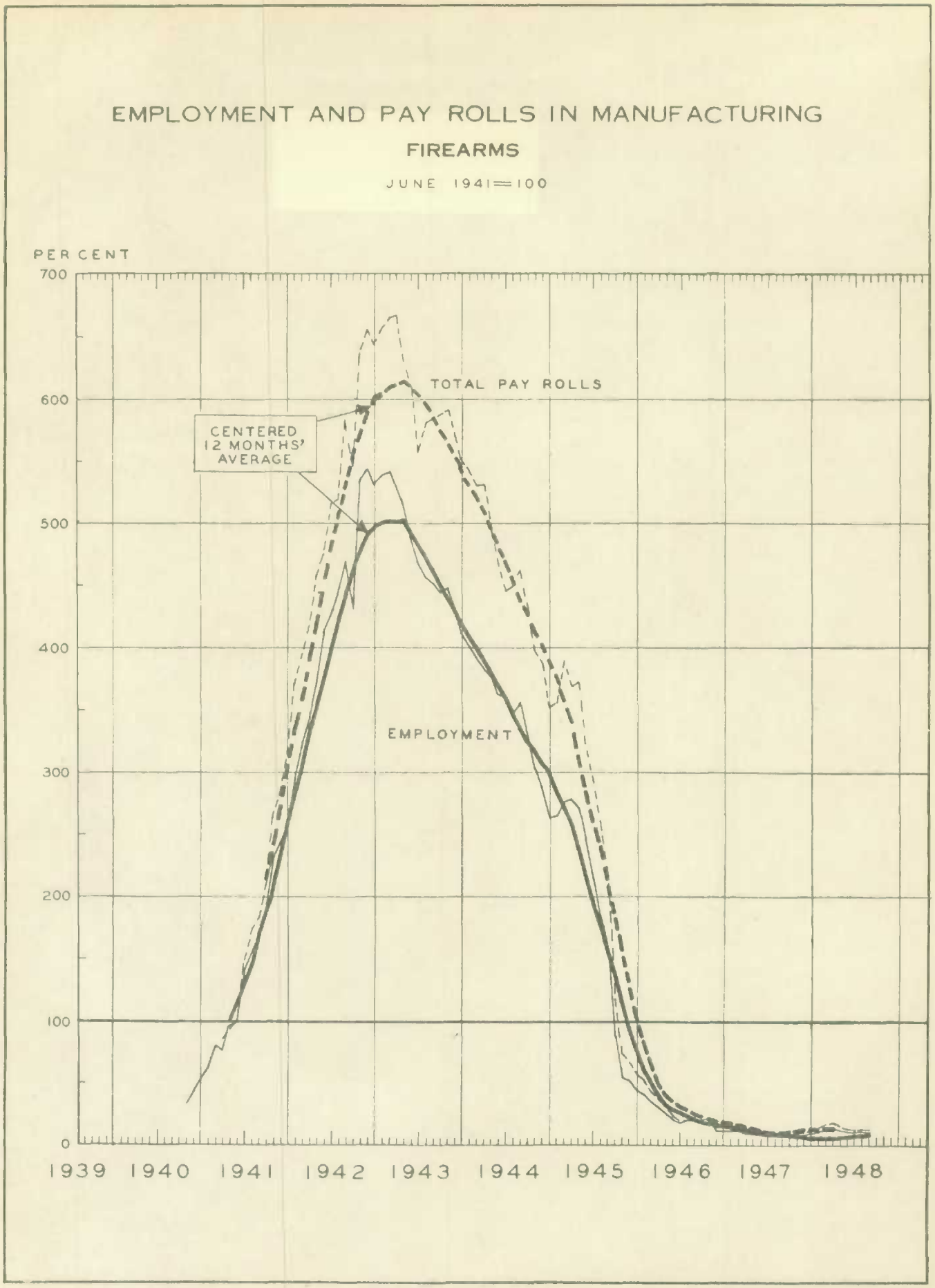

EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
SHIPBUILDING
JUNE 1941 = 100
PER CENT
580
560
540
520
500
480
460
440
420
400
380
360
340
320
300
280
260
240
220
200
180
160
140
120
100
80
60
40
20
0
TOTAL PAY ROLLS
EMPLOYMENT
CENTERED 12 MONTHS' AVERAGE
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948

CHART NO 40


EMPLOYMENT AND PAY ROLLS IN MANUFACTURING
FIREARMS
JUNE 1941=100
PER CENT
700
600
500
400
300
200
100
0
TOTAL PAY ROLLS
CENTERED 12 MONTHS' AVERAGE
EMPLOYMENT
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948