

PRODUCTION DATA REPORT

Project 1108-13

Supplementary Report Nine

to

FOURDRINIER KRAFT BOARD INSTITUTE, INC.

March 1, 1955

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THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

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The production data contained herein represent the production of linerboard as reported by the following Fourdrinier Kraft Board Institute member mills for the fourth quarter of 1954:

The Brown Paper Mill Co., Inc.

The Chesapeake Corporation of Virginia

Continental Can Company, Inc.

Gaylord Container Corporation

International Paper Company

Macon-Rome Kraft Company

National Container Corporation

North Carolina Pulp Co. & Kieckhefer Container Co.

St. Regis Paper Company

St. Joe Paper Company

Southern Paperboard Corporation

Union Bag and Paper Corporation

West Virginia Pulp and Paper Company

As in previous reports, the data have been tabulated according to (1) total production by quarters and (2) production by grades by quarters.

The total production for the fourth quarter of 1954 is given in Table I and graphically illustrated in Figure 1. The total production for the previous four quarters is also included in Table I and Figure 1 for comparison. The production by grades per quarter may be seen in Table II together with the corresponding tonnage for the

previous four quarters. In addition, percentage production by grades is given in Table III for the current quarter and the previous four quarters. These figures are based on the total production per quarter computed separately with the miscellaneous figure included and with the miscellaneous figure excluded. The major tonnage grades--namely, 26-lb., 33-lb., 38-lb., 42-lb., 47-lb., 69-lb., 90-lb., and miscellaneous are illustrated in Figures 2 through 9, respectively, together with the production for the previous four quarters.

In order to give a better perspective of the above data, the tonnages for the major grades have been plotted on a semi-logarithmic scale (see Figure 10) for the purpose of comparing the change in production of these grades. A useful measure is the "percentage change" which is defined as the change in production in tons for the present quarter divided by the tonnage level of the previous quarter. The advantage of semi-log graphs in this case is that the "percentage change" may be compared readily even though the magnitude of the tonnage levels may be vastly different. When two lines are parallel (regardless of magnitude), the "percentage change" of these two items is the same. When two lines are not parallel, the one with the greater (steeper) slope has the higher "percentage change."

There are a number of comparisons which may be of interest. Some of these are the following:

1. The figure for total production increased from 765.7 thousand tons during the third quarter of 1954 to 853.4 thousand tons during the fourth quarter. However, one new participant is included in the tonnage for the

fourth quarter and accounts for 42.4 thousand tons of the increase.

2. The total production for the fourth quarter of 1954 was approximately the same as that for the corresponding quarter of 1953 when the production for the new participant is excluded and substantially higher when the production for the new participant is included.

3. Compared with the third quarter of 1954, the production of all grades except 47-lb. increased.

4. The production of 38-lb. reached its highest level in what appears to be a continuing upward trend.

TABLE I
TOTAL PRODUCTION OF ALL GRADES

	Total Tonnage
1953	
4th quarter	818,379
1954	
1st quarter	720,954
2nd quarter	770,597
3rd quarter	765,742
4th quarter	853,434

Figure 1
Paper Board Production of All Grades

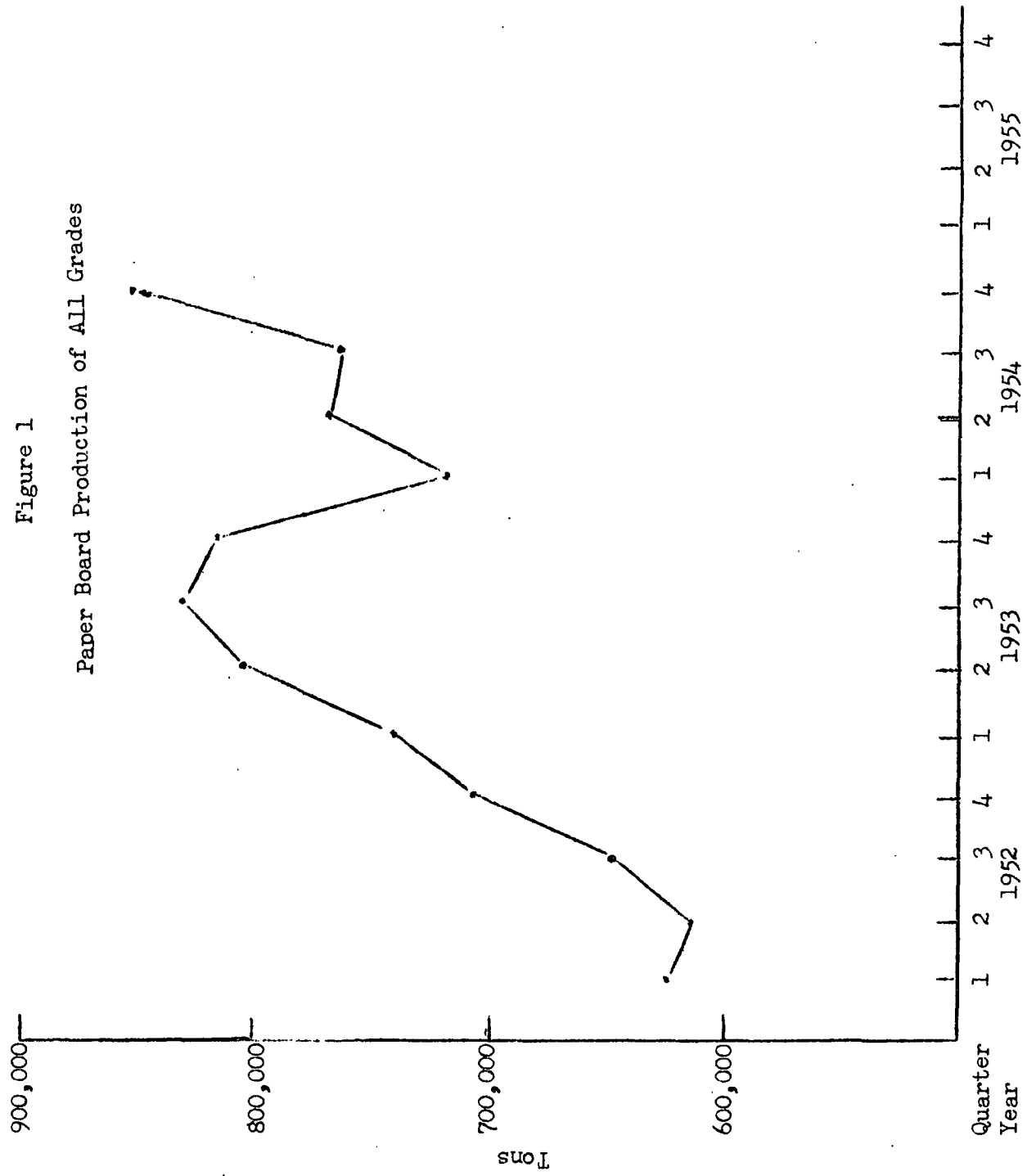


TABLE II
TOTAL TONNAGE BY GRADE

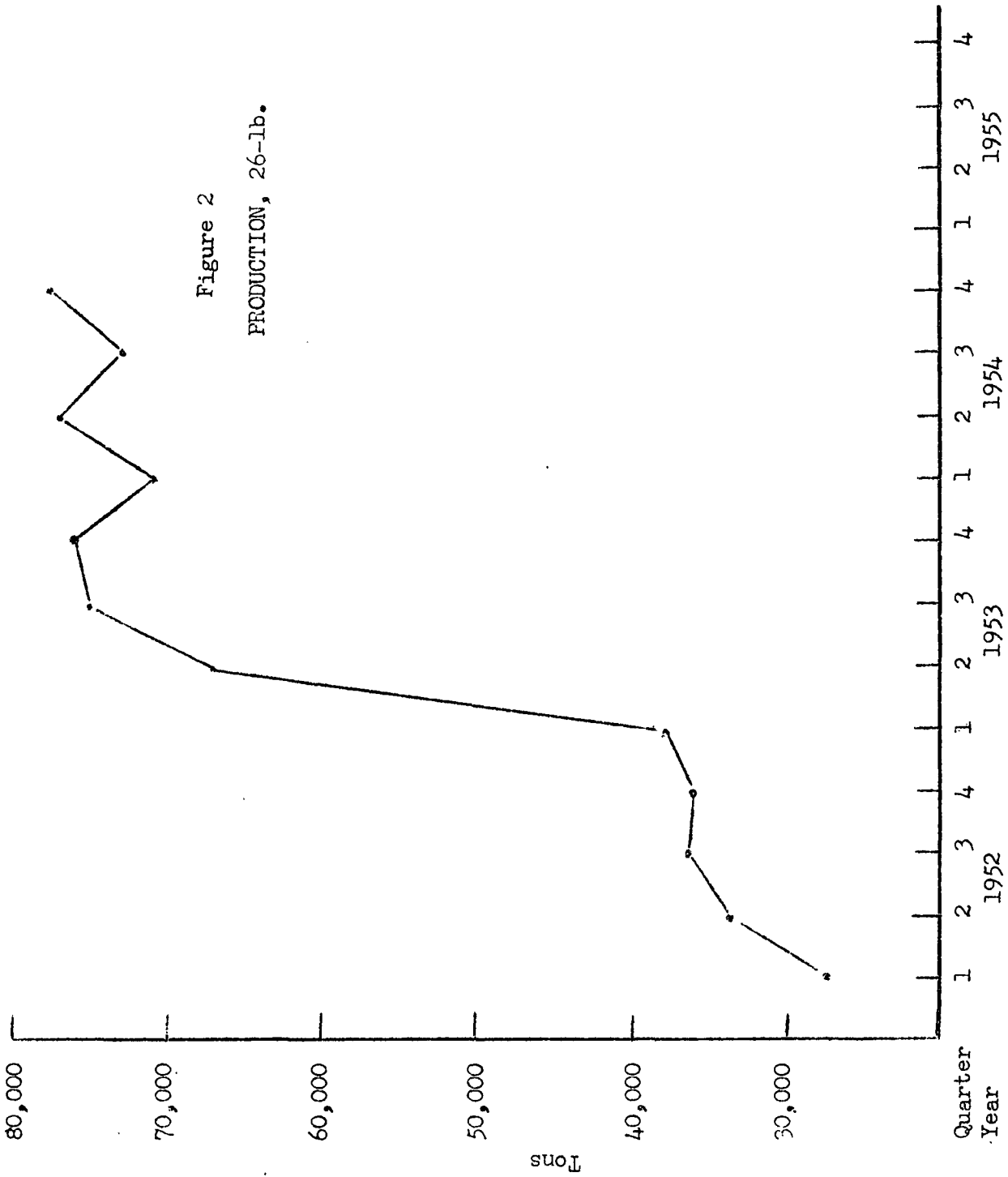
	26-lb.	28-lb.	30-lb.	32-lb.	33-lb.	36-lb.	37-lb.	38-lb.	40-lb.	42-lb.	45-lb.
1953											
4th quarter	75,882	10,867	855	393	47,543	324	--	45,769	--	398,787	236
1954											
1st quarter	70,622	3,646	699	345	38,973	182	--	39,627	--	345,076	105
2nd quarter	76,843	5,347	--	314	42,568	317	--	46,468	27	361,666	--
3rd quarter	72,913	5,485	930	559	35,905	513	--	55,313	--	363,272	88
4th quarter	77,474	2,301	4444	635	41,648	71	512	61,492	--	395,928	13,827
	46-lb.	47-lb.	50-lb.	51-lb.	52-lb.	54-lb.	56-lb.	58-lb.	59-lb.	60-lb.	62-lb.
1953											
4th quarter	--	53,348	1,098	174	1,102	228	520	93	--	--	--
1954											
1st quarter	--	38,093	1,399	--	1,501	45	323	--	--	--	--
2nd quarter	--	50,824	1,558	3,253	1,074	--	415	--	--	--	--
3rd quarter	--	43,774	672	670	1,099	--	371	--	--	27	100
4th quarter	--	39,947	877	44	1,359	--	441	--	155	67	482
	64-lb.	65-lb.	69-lb.	70-lb.	72-lb.	75-lb.	85-lb.	90-lb.	92-lb.	Miscel- laneous	
1953											
4th quarter	7,687	--	70,636	48	--	258	50	38,399	--	64,082	
1954											
1st quarter	440	--	64,709	--	--	163	5	33,317	--	81,684	
2nd quarter	6,851	--	72,930	--	--	--	5	39,791	--	60,346	
3rd quarter	5,998	--	74,291	--	--	11	62	38,961	--	64,728	
4th quarter	8,348	917	92,112	--	--	281	--	42,835	33	71,204	

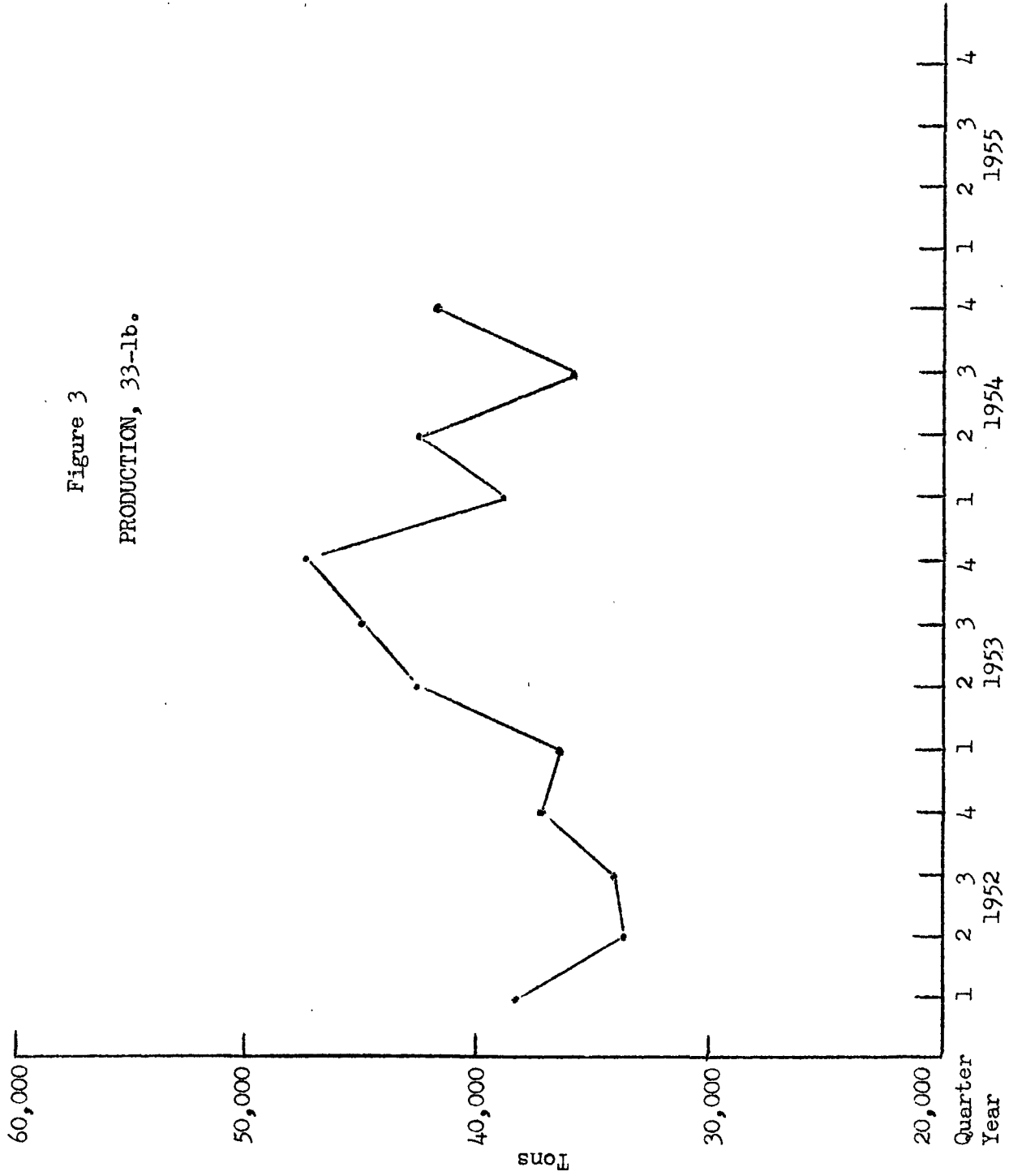
TABLE III

TOTAL PRODUCTION BY GRADES, PER CENT

Year	Quarter	26-lb. Grade		28-lb. Grade		30-lb. Grade		32-lb. Grade		33-lb. Grade		36-lb. Grade		37-lb. Grade		38-lb. Grade		40-lb. Grade		42-lb. Grade	
		With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b	With ^a	With- out ^b
1953	4th quarter	9.3	10.1	1.3	1.4	0.1	0.1	0.1	0.1	5.8	6.3	c	c	--	--	5.6	6.1	--	--	48.7	52.9
1954	1st quarter	9.8	11.0	0.5	0.6	0.1	0.1	c	0.1	5.4	6.1	c	c	--	--	5.5	6.2	--	--	47.9	54.0
	2nd quarter	10.0	10.8	0.7	0.8	--	--	c	c	5.5	6.0	c	c	--	--	6.0	6.5	c	c	46.9	50.9
	3rd quarter	9.5	10.4	0.7	0.8	0.1	0.1	0.1	0.1	4.7	5.1	0.1	0.1	--	--	7.2	7.9	--	--	47.4	51.8
	4th quarter	9.1	9.9	0.3	0.3	0.1	0.1	0.1	0.1	4.9	5.3	c	c	0.1	0.1	7.2	7.9	--	--	46.4	50.6
1953	4th quarter	c	c	6.5	7.1	0.1	0.1	0.1	0.1	0.1	0.1	c	c	0.1	0.1	c	c	--	--	--	--
1954	1st quarter	c	c	5.3	6.0	0.2	0.2	0.2	0.2	0.2	0.2	c	c	0.1	0.1	--	--	--	--	--	--
	2nd quarter	--	--	6.6	7.2	0.2	0.2	0.1	0.2	0.1	0.2	--	--	0.1	0.1	--	--	--	--	--	--
	3rd quarter	c	c	5.7	6.2	0.1	0.1	0.1	0.2	0.1	0.2	--	--	c	0.1	--	--	--	--	c	c
	4th quarter	1.6	1.8	4.7	5.1	0.1	0.1	c	0.2	0.2	0.2	--	--	0.1	0.1	--	--	c	c	c	c
1953	4th quarter	--	--	0.9	1.0	--	--	--	8.6	9.4	c	c	c	c	c	4.7	5.1	--	--	7.8	--
1954	1st quarter	--	--	0.1	0.1	--	--	--	9.0	10.1	--	--	c	c	c	4.6	5.2	--	--	11.3	--
	2nd quarter	--	--	0.9	1.0	--	--	--	9.5	10.3	--	--	--	--	c	5.2	5.6	--	--	7.8	--
	3rd quarter	c	c	0.8	0.9	--	--	--	9.7	10.6	--	--	c	c	c	5.1	5.6	--	--	8.5	--
	4th quarter	0.1	0.1	1.0	1.1	0.1	0.1	0.1	10.8	11.8	--	--	c	c	--	5.0	5.5	c	c	8.3	--

^a Percentage based on the total production of all grades including Miscellaneous.
^b Percentage based on the total production of all grades including Miscellaneous.





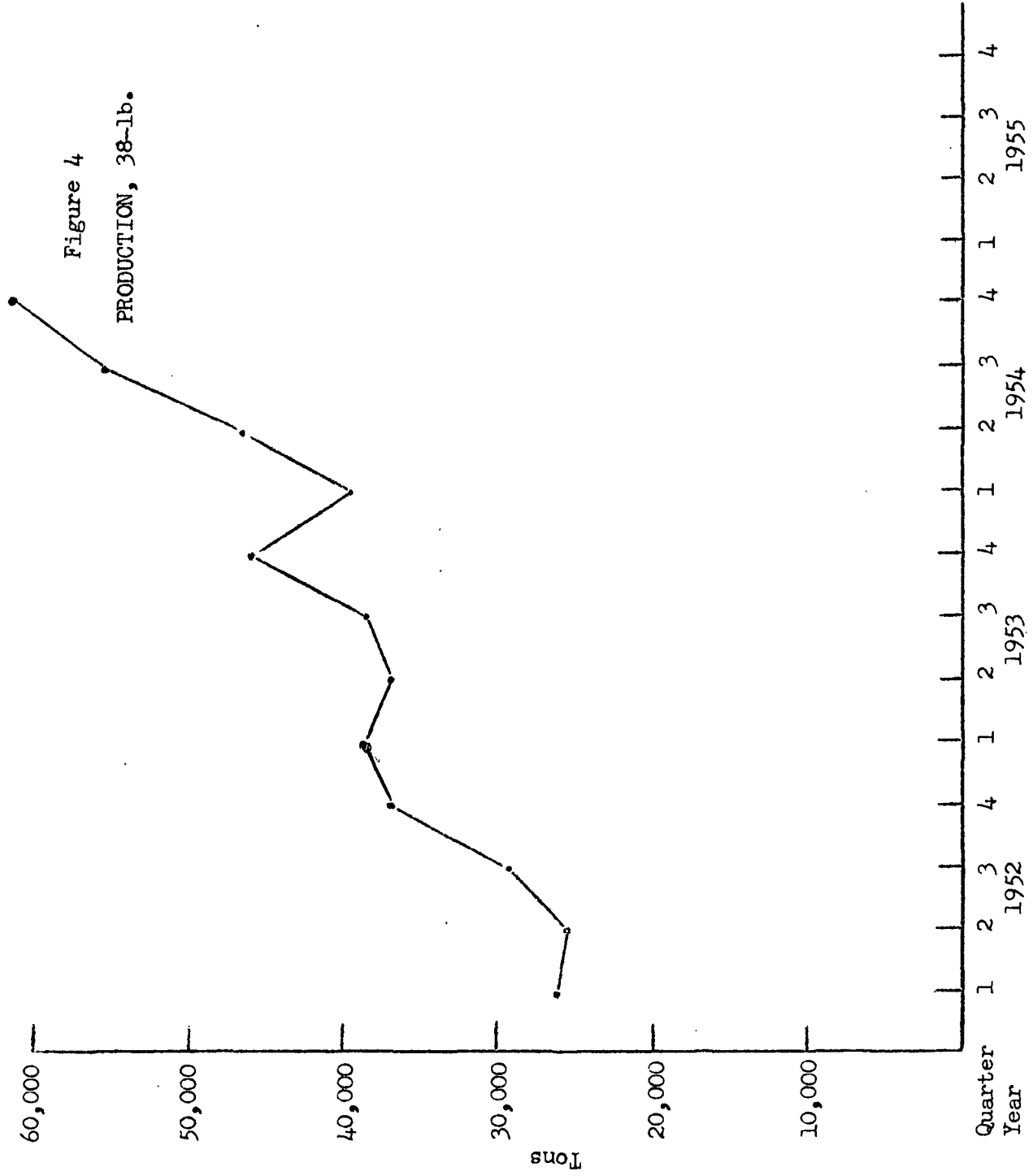


Figure 5
PRODUCTION, 42-lb.

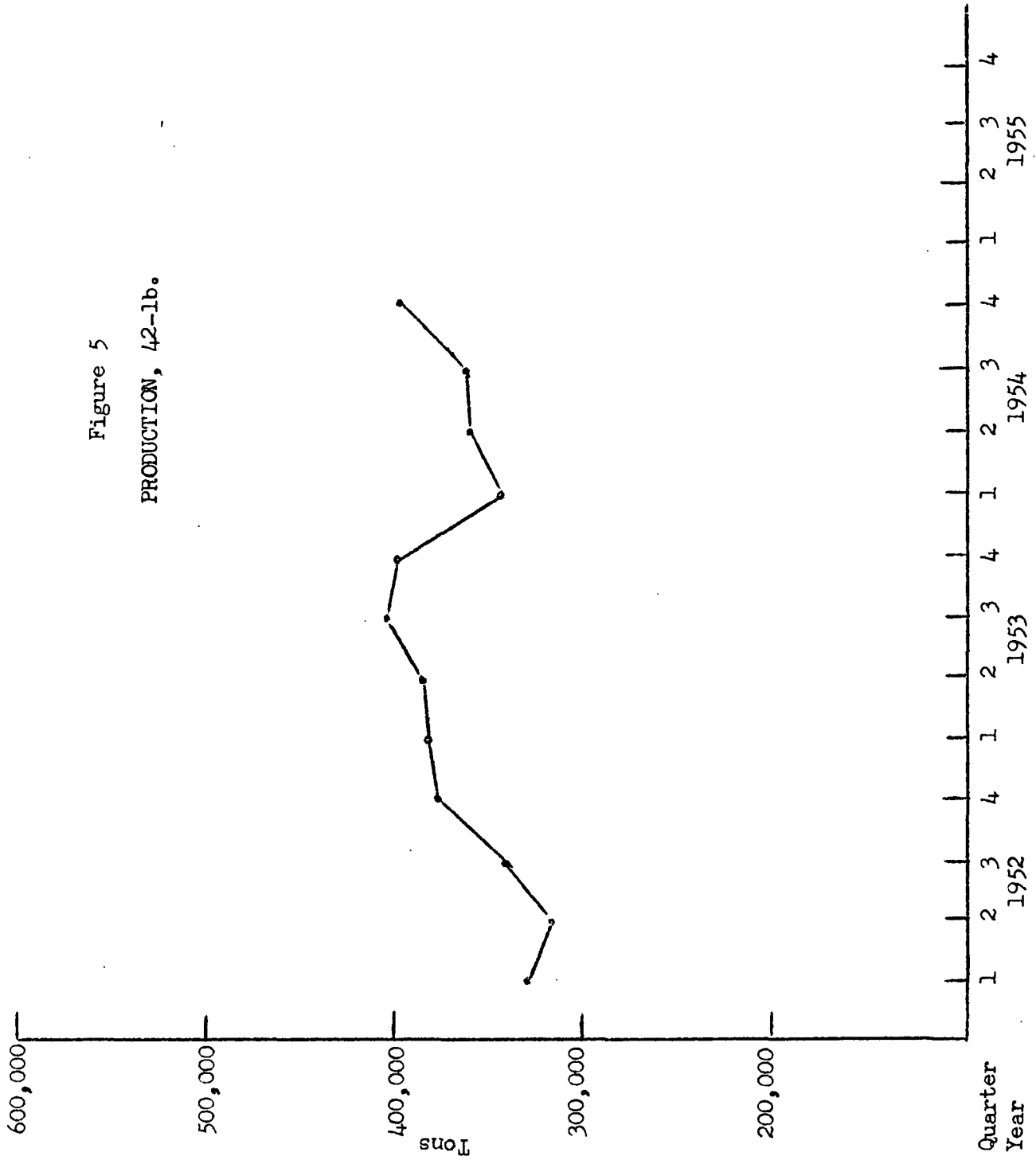
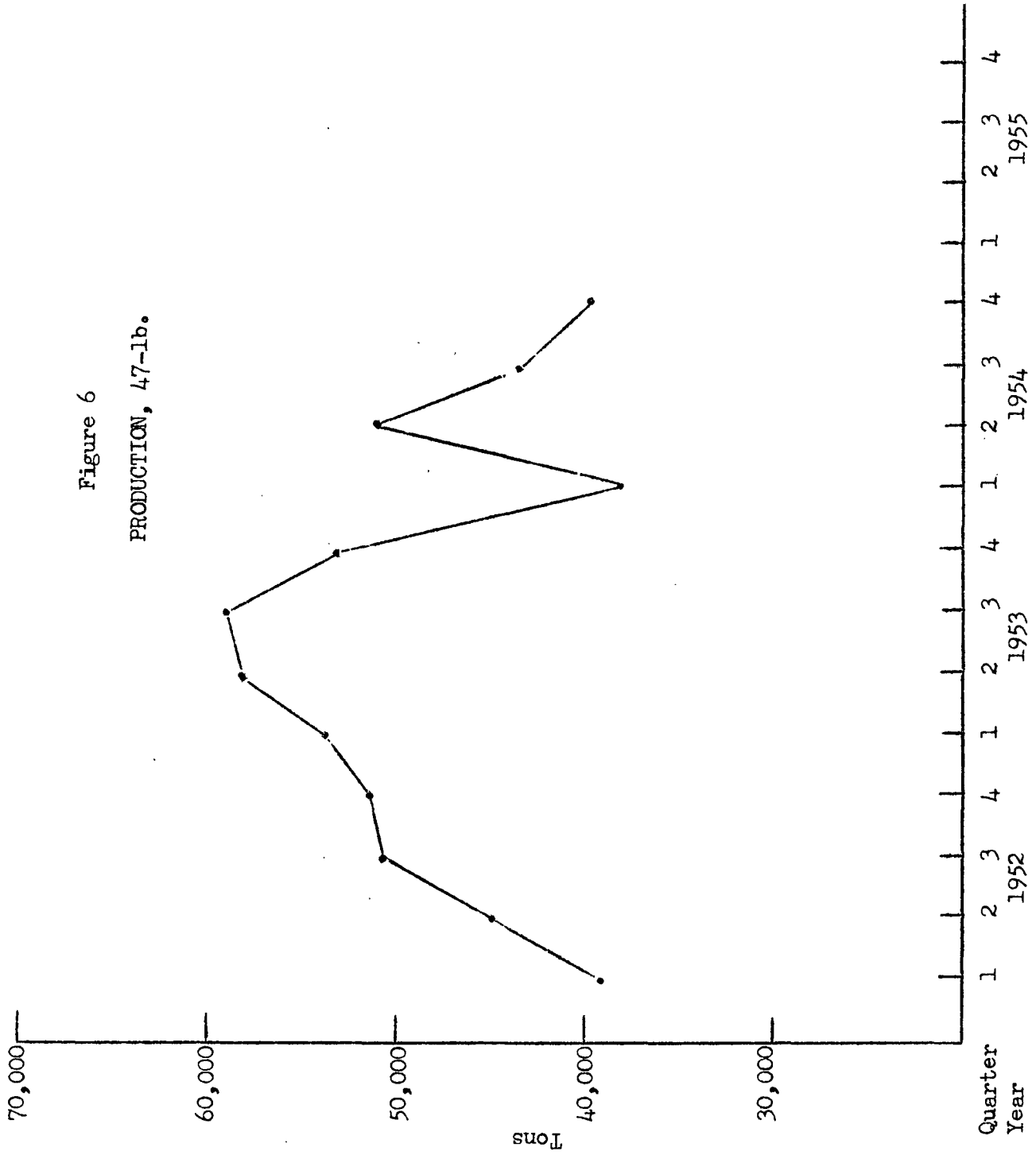


Figure 6
PRODUCTION, 47-lb.



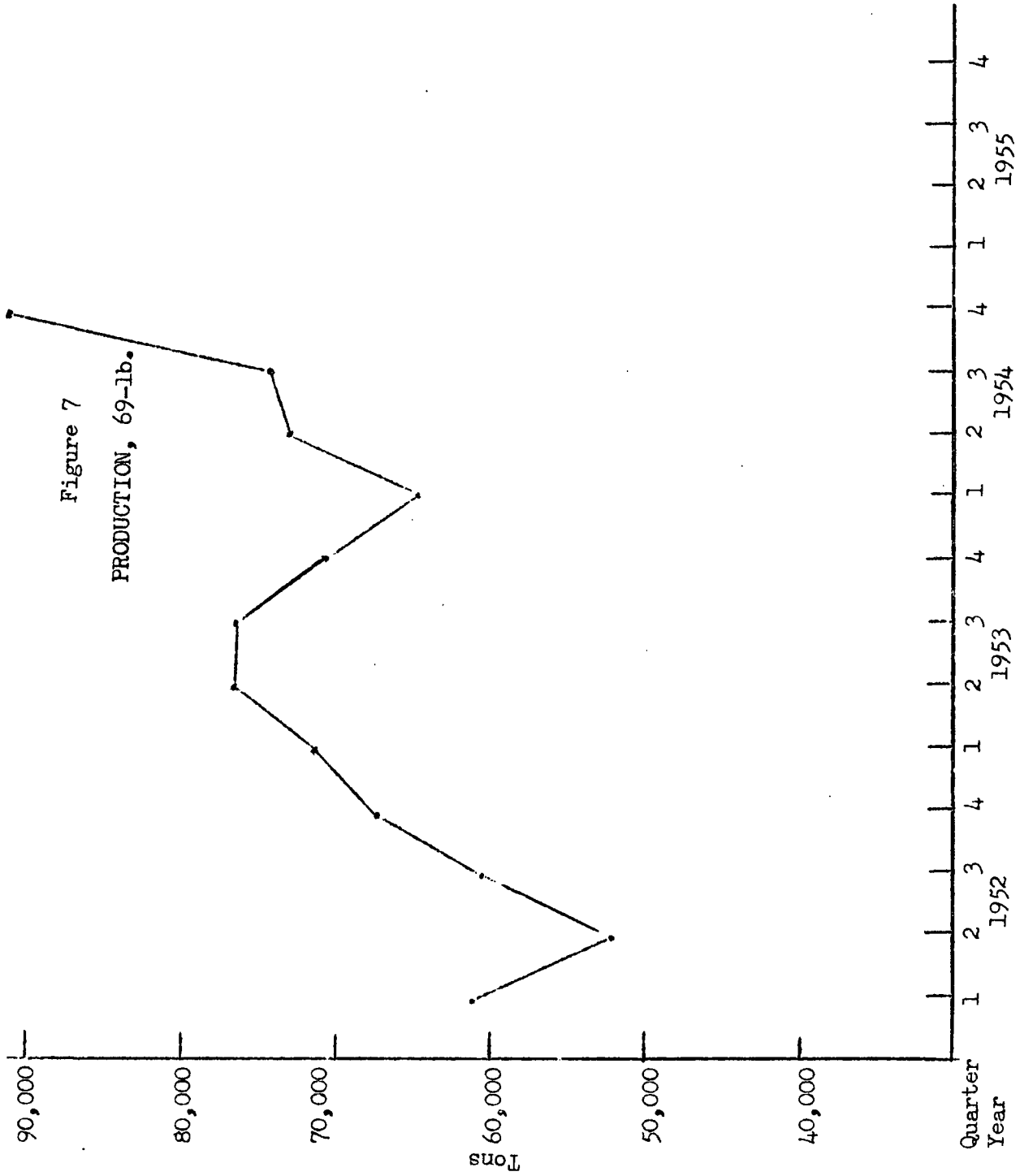
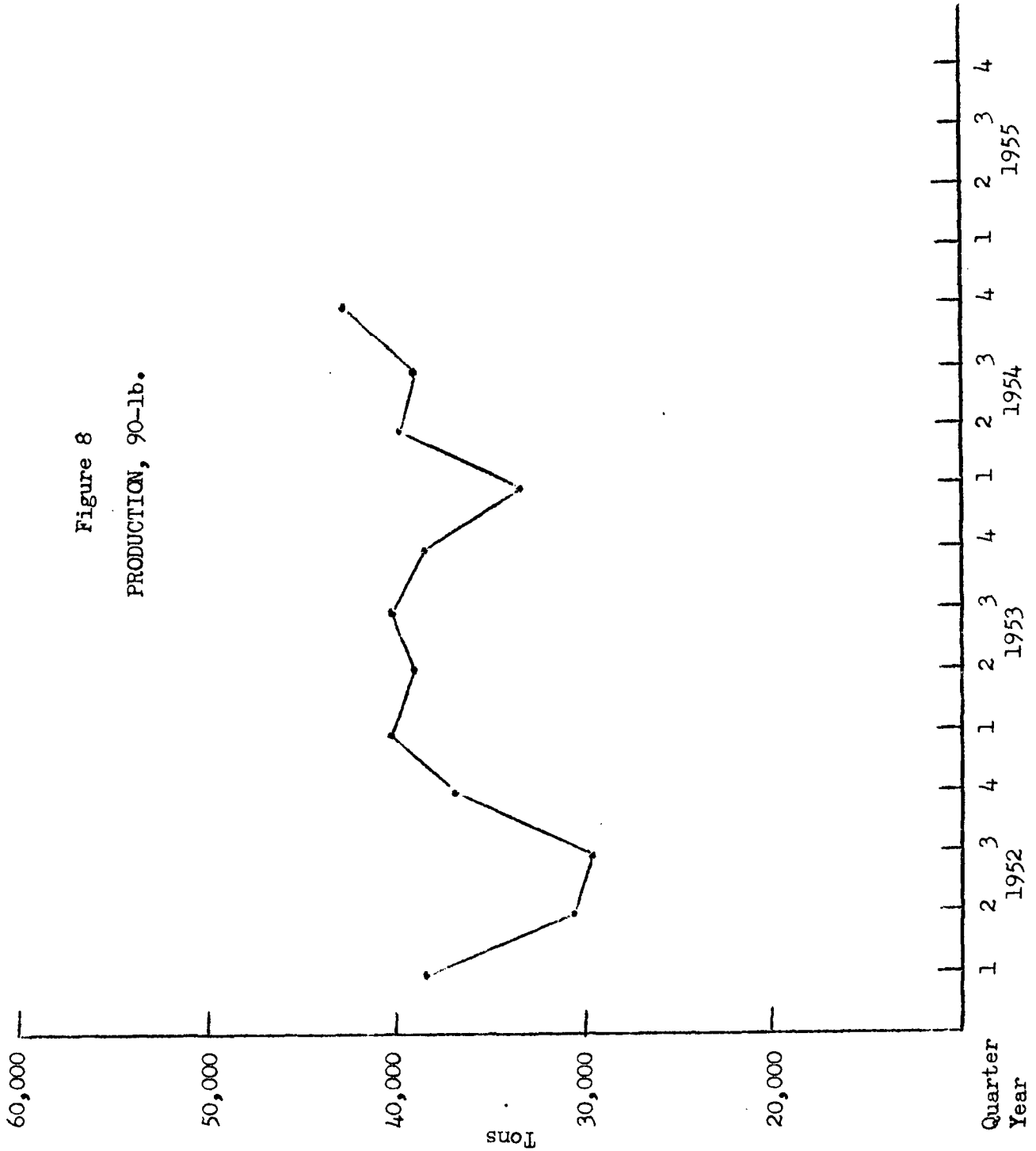


Figure 8
PRODUCTION, 90-lb.



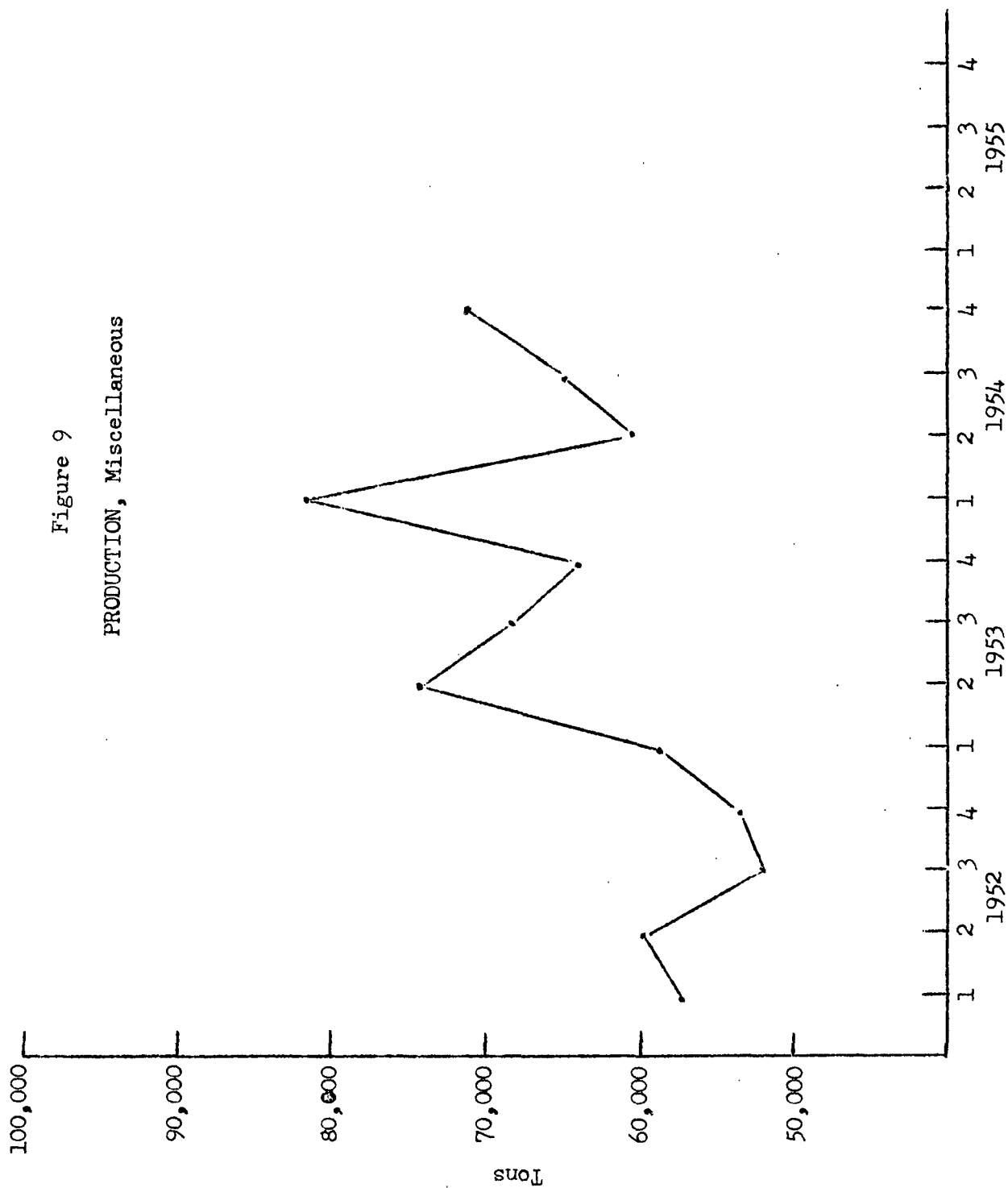
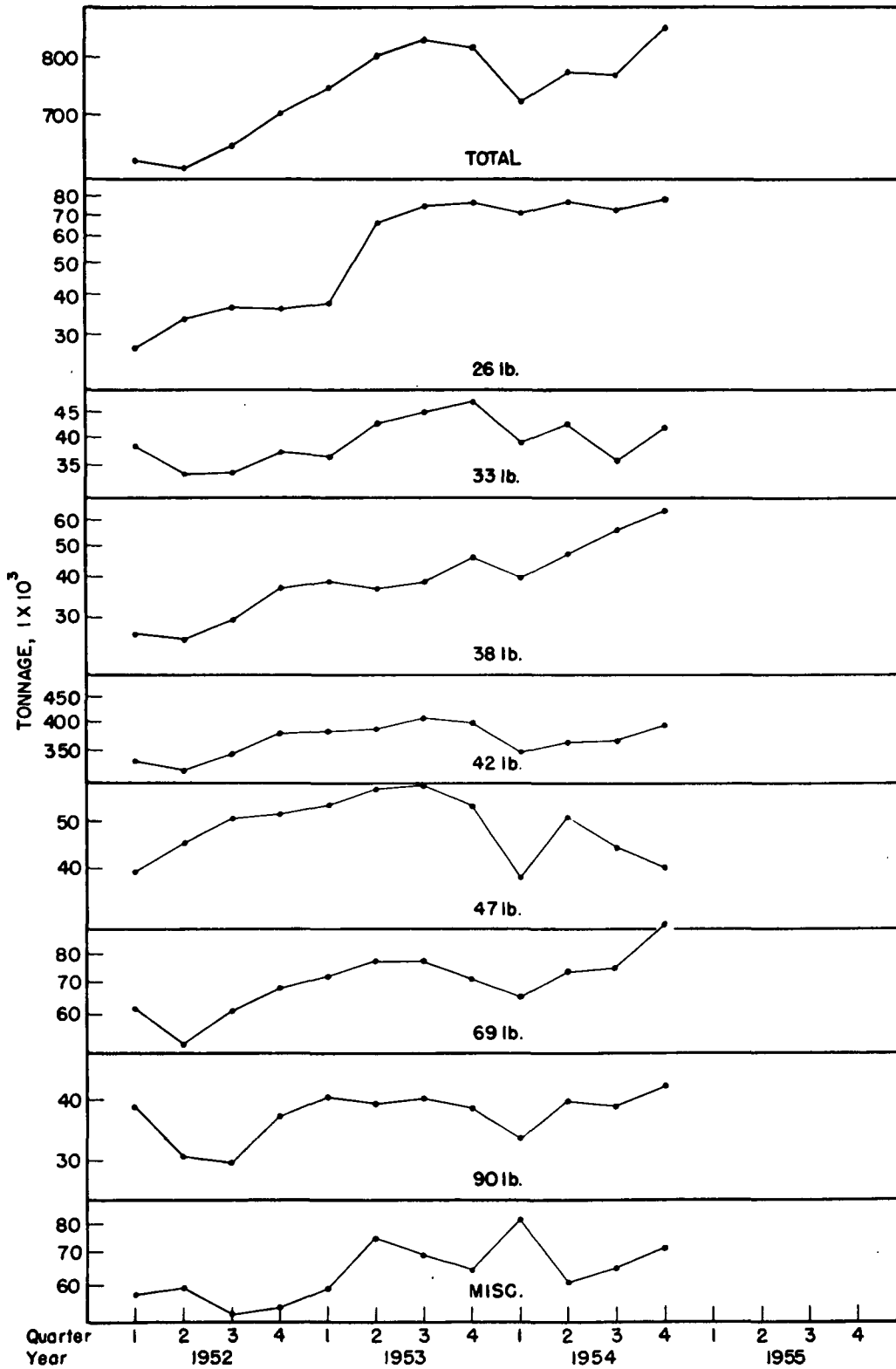


Figure 10
 Comparison of Percentage Changes in Production for All Grades



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