

FARM BUYING AND  
INDUSTRIAL  
RECOVERY

# FARM BUSINESS AND INDUSTRIAL RECOVERY

A Survey of Shipments of Manufactured and Industrial  
Commodities from Manufacturing Areas to Agricultural  
Areas July 1, 1932 to June 30, 1935

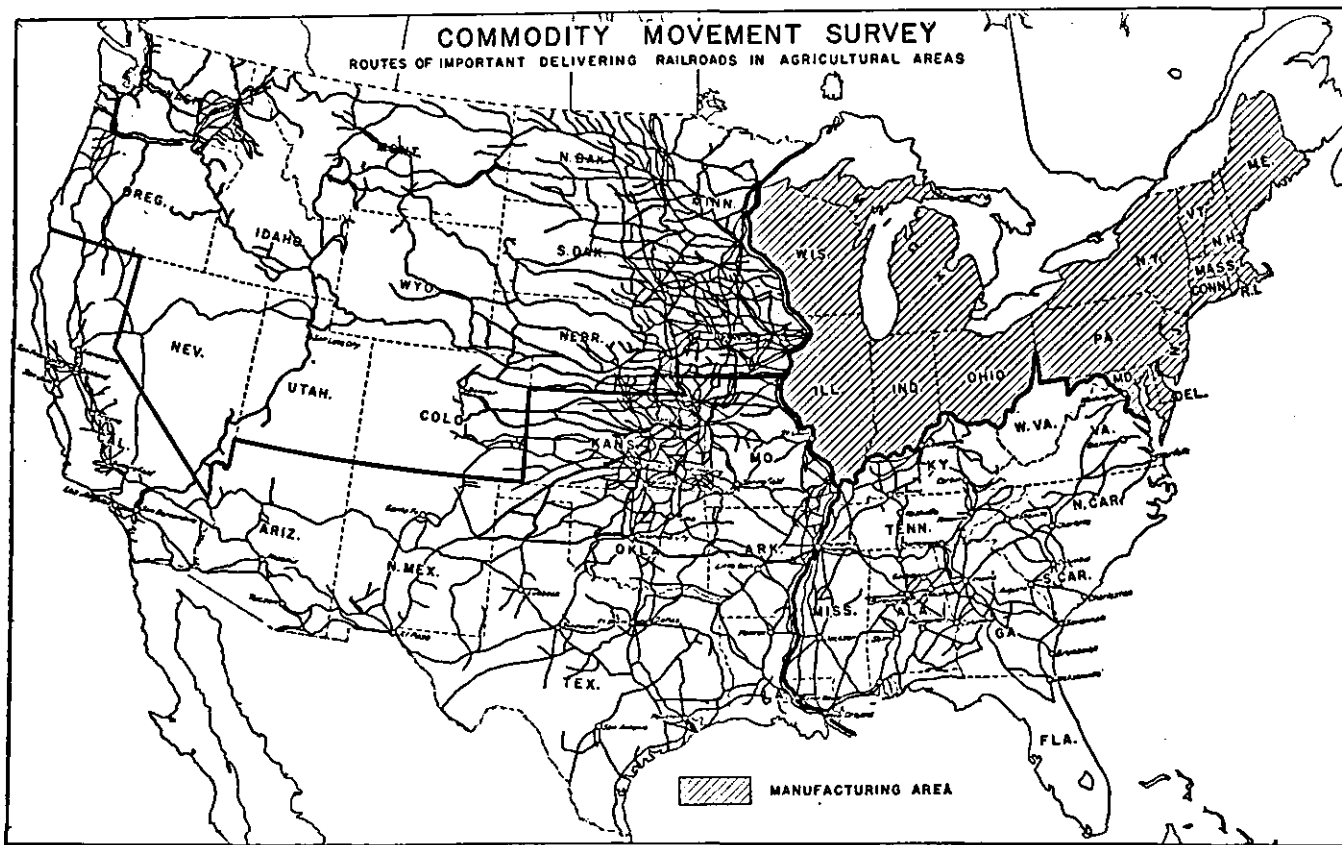
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AGRICULTURAL ADJUSTMENT ADMINISTRATION

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II



## CONTENTS

	Page
<b>I. SHIPMENTS BY GROUPS OF COMMODITIES:</b>	
Table 1.—Total shipments, all groups.....	2
2.—Shipments in agricultural group, by commodities.....	3
3.—Shipments in domestic and personal group, by commodities.....	3
4.—Shipments in industrial and commercial group, by commodities.....	5
5.—Shipments in general group, by commodities.....	6
<b>II. SHIPMENTS CLASSIFIED BY AGRICULTURAL REGIONS OF DESTINATION:</b>	
<i>Southeast Region:</i>	
Table 6.—Total shipments, by groups of commodities.....	7
7.—Shipments in agricultural group, by commodities..	7
8.—Shipments in domestic and personal group, by commodities.....	8
9.—Shipments in industrial and commercial group, by commodities.....	9
10.—Shipments in general group, by commodities....	11
<i>Southwest Region:</i>	
Table 11.—Total shipments by groups of commodities.....	12
12.—Shipments in agricultural group, by commodities..	12
13.—Shipments in domestic and personal group, by commodities.....	13
14.—Shipments in industrial and commercial group, by commodities.....	14
15.—Shipments in general group, by commodities....	16
<i>Northwest Region:</i>	
Table 16.—Total shipments by groups of commodities.....	17
17.—Shipments in agricultural group, by commodities..	17
18.—Shipments in domestic and personal group, by commodities.....	18
19.—Shipments in industrial and commercial group, by commodities.....	19
20.—Shipments in general group, by commodities....	20
<b>III. SHIPMENTS BY STATES OF ORIGIN:</b>	
Table 21.—Total shipments to all regions.....	21
22.—Shipments to southeast region.....	21
23.—Shipments to southwest region.....	22
24.—Shipments to northwest region.....	22

# FARM BUYING AND INDUSTRIAL RECOVERY

An increase in farm income during the period 1932-35 was accompanied by an increase in carlot shipments of manufactured commodities from areas dominantly industrial to areas where agriculture contributes an important part of total income.

Farm cash income in 1935 was 58 percent larger than that of 1932. Manufactured commodity shipments by carlots to agricultural areas, in a corresponding period showed an increase of 60.1 percent. The accompanying study was undertaken to determine the extent to which this increase was coupled with an increase in shipments of manufactured commodities into the States where agriculture plays an important role in maintaining purchasing power. This study provides a clue to the part larger farm purchasing power has played in maintaining operations of mills and factories in the industrial regions.

The information presented was developed through a study of more than a half million freight waybills and waybill abstracts in the freight auditors' offices of 16 railroads which handle approximately 75 percent of the traffic in manufactured commodities delivered to the agricultural regions. The study includes only carlot shipments, but these account for more than 95 percent of the total weight of all shipments between the regions studied.

## FOUR GROUPS OF COMMODITIES

Commodities studied were divided into four main groups according to their type and nature of their use:

1. Agricultural—commodities used principally in farm production.
2. Domestic and personal—commodities used principally in the home, whether urban or rural.
3. Industrial and commercial—commodities used principally in industrial and commercial activities.
4. General—commodities used generally on farms, in homes and in industry.

In this study the 12-month period ended June 30, 1933, was designated as "Year 1"; the period ended June 30, 1934, as "Year 2"; and the year ended June 30, 1935, as "Year 3."

For purposes of the study the territory east of the Mississippi River and north of the Ohio and Potomac Rivers, comprising 16 States, was taken as the area of origin of the industrial shipments. About 75 percent of the manufacturing of the country is carried on in this area.

The territory west of the Mississippi River and south of the Ohio and Potomac Rivers, comprising 32 States, was taken as the area

of destination of the industrial shipments. About 70 percent of the agricultural cash income of the country is received in this area.

The 16 northern and eastern States are: Connecticut, Delaware, Indiana, Illinois, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and Wisconsin.

The territory receiving the shipments is divided into three regions, as follows: The Southeast, comprising the States of Alabama, Georgia, Florida, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia; the Southwest, comprising roughly the States of Arizona, Arkansas, California, Kansas, Missouri, New Mexico, Oklahoma, Texas; and the Northwest, comprising roughly the States of Colorado, Idaho, Iowa, Minnesota, Montana, Nevada, North Dakota, South Dakota, Oregon, Washington, and Wyoming.

The railroads delivering shipments studied in the survey are: The Illinois Central; Central of Georgia; Southern; Louisville & Nashville; St. Louis & San Francisco; Missouri Pacific; Atchison, Topeka & Santa Fe; Texas & Pacific; Southern Pacific; Great Northern; Northern Pacific; Union Pacific; Chicago, Milwaukee, St. Paul & Pacific; Chicago, Rock Island & Pacific; Chicago, Burlington & Quincy; and Chicago & North Western.

The shipments originated on more than 125 railroads operating in the North and East.

## I. SHIPMENTS BY GROUPS OF COMMODITIES

TABLE 1.—Total shipments, all groups

Group	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Agricultural.....	247, 261	515, 628	108. 5	655, 806	27. 2	165. 2
Domestic and personal.....	636, 211	1, 004, 329	57. 9	1, 264, 409	25. 9	98. 7
Industrial and commercial.....	2, 772, 821	3, 896, 392	40. 5	4, 359, 296	11. 9	57. 2
General.....	4, 677, 685	6, 140, 920	31. 3	7, 062, 872	15. 0	51. 0
Total.....	8, 333, 958	11, 557, 269	38. 7	13, 342, 383	15. 4	60. 1

Manufactured commodities shipped from the 16 industrial States increased 60.1 percent in the 12 months ending June 30, 1935, as compared with the 12 months ending June 30, 1933. For the 12 months ending June 30, 1934, the increase over the previous year was 38.7 percent. During the 12-month period preceding June 30, 1933, before the inauguration of agricultural and other recovery measures, the total weight of carlot shipments of manufactured goods originating in the 16 industrial States and delivered by the same 16 railroads was 8,333,958,000 pounds; for the first 12 months following the inauguration of these measures the tonnage amounted to 11,557,269,000 pounds, a gain of 3,233,311,000 pounds. For the next year the total was 13,342,383,000 pounds, representing a gain of 5,008,425,000 pounds over the year ending June 30, 1933.

TABLE 2.—Shipments in agricultural group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Farm implements and machinery.....	71,837	187,403	160.9	293,995	56.9	309.3
Tractors and parts.....	36,490	77,119	111.3	147,005	90.6	302.9
Other farm production goods:						
Beehives.....	264	361	36.7	346	-4.2	31.1
Brooders and incubators.....	638	590	-7.5	749	28.0	17.4
Fence posts, steel.....	3,613	8,884	145.9	10,743	20.9	197.3
Harness and saddlery.....	2,682	4,770	77.9	1,457	-69.5	-45.7
Wagons and wheels.....	4,864	11,699	140.5	5,749	-50.9	18.2
Wire and fencing.....	126,873	224,802	77.2	195,762	-12.9	54.8
Total.....	247,261	515,628	108.5	655,806	27.2	165.2

Shipments in the agricultural group in year 3 showed an increase of 165.2 percent over those in year 1. The increase in year 2 over year 1 was 108.5 percent. Farm implements and machinery increased 160.9 percent in year 2 and jumped to 309.3 percent in year 3 compared with year 1. Tractors and parts gained by 111.3 percent in the second year and 302.9 percent in the third year. Steel fence posts increased from 145.9 percent in year 2 to 197.3 percent in year 3, while wire and fencing increased 77.2 percent in year 2 and 54.3 percent in year 3. The only commodity in this group to show a decrease in year 3 was harness and saddlery, decreasing by 45.7 percent. Shipments of this commodity in year 2, however, had increased 77.9 percent over the first year.

TABLE 3.—Shipments in domestic and personal group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
<i>Furniture</i>						
Bookcases and desks.....	228	104	-54.4	278	167.3	21.9
Cabinets and kitchen cabinets.....	2,052	4,992	143.3	4,099	-17.9	99.8
Chairs.....	2,024	3,006	48.5	4,328	44.0	113.8
Electric lamps and fixtures.....	1,473	1,756	19.2	239	-86.4	-83.8
Furniture, mixed.....	62,758	74,249	18.3	80,946	9.0	29.0
Radios and parts.....	6,254	6,311	.9	8,978	42.3	43.6
Refrigerators.....	26,848	48,984	82.4	96,549	97.1	259.6
Sewing machines.....	196	518	164.3	2,823	445.0	1,340.3
Stoves and heaters.....	33,534	55,556	65.7	69,080	26.0	108.7
Tables.....	532	704	32.3	605	-14.1	13.7
<i>Other household goods</i>						
Bedding.....	1,205	2,400	99.2	2,566	6.9	112.9
Carpets and linoleum.....	18,549	26,963	45.4	25,991	-3.6	40.1
Cotton piece goods and bathing.....	12,889	12,407	-3.7	14,809	19.4	14.9
Dishes.....	1,097	2,207	101.2	1,031	-53.3	-6.0
Electrical appliances.....	3,641	3,858	9.0	7,797	102.1	120.2
Furnaces.....	7,166	11,241	56.9	14,029	24.8	95.8
Lawn mowers.....	1,689	2,511	48.7	1,529	-39.1	-9.5
Matches.....	14,997	27,185	81.3	26,482	-2.6	76.6
Plumbers' fixtures and fittings.....	18,652	23,085	23.8	38,256	65.7	105.1

TABLE 3.—Shipments in domestic and personal group, by commodities—Continued

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>Other household goods—Con.</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Shoe polish.....	674	1,434	112.8	1,406	-2.0	108.6
Woolens.....	6,315	5,709	-9.6	5,591	-2.1	-11.5
Clothing.....	1,187	1,225	3.2	1,513	23.5	27.6
<i>Prepared foods</i>						
Cereals.....	105,278	115,229	9.5	136,235	18.2	29.4
Cereal beverages.....	25,637	14,724	-42.6	8,847	-39.9	-65.5
Confectionery.....	54,309	50,961	-6.2	68,311	34.0	25.8
Gelatin.....	108	408	277.8	429	5.1	297.2
Sauces and extracts.....	24,636	25,401	3.1	27,030	6.4	9.7
Spaghetti.....	768	1,228	59.9	1,171	-4.6	52.5
Tapioca.....	470	373	-20.6	374	.3	-20.4
<i>Beverages</i>						
Beer.....	144,828	368,248	154.3	453,279	23.1	213.0
Fruit and vegetable juices.....	3,596	6,402	80.5	8,486	30.7	136.0
Liquor.....	5,415	43,603	703.4	87,853	101.9	1,622.4
Ginger ale and other beverages.....	29,471	32,460	10.1	36,439	12.3	23.6
<i>Sporting goods</i>						
Arms and ammunition.....	8,636	17,774	105.8	14,165	-20.3	64.0
Targets.....	680	997	46.6	1,544	54.9	127.1
<i>Miscellaneous</i>						
Toilet preparations.....	3,861	5,130	40.1	3,089	-39.8	-15.6
Toys.....	3,733	3,578	-4.2	5,310	48.4	42.2
Undertakers' supplies.....	1,125	1,419	26.1	2,022	42.5	79.7
<b>Total.....</b>	<b>636,211</b>	<b>1,004,329</b>	<b>57.9</b>	<b>1,204,409</b>	<b>25.9</b>	<b>98.7</b>

The domestic and personal group as a whole showed a gain of 57.9 percent in year 2 and 98.7 percent in year 3, when compared with year 1. In this group, refrigerators increased 82.4 percent in year 2 and 259.6 percent in year 3. Plumbing fixtures and fittings increased in years 2 and 3 by 23.8 percent and 105.1 percent respectively. Beer shipments increased in year 2 by 154.3 percent and in year 3 by 213 percent, while cereal beverages decreased 42.6 percent and 65.5 percent in the same year. This is probably because near beer was billed under the head of cereal beverages. Shipments of cereals increased 9.5 percent in year 2 and 29.4 percent in year 3. Clothing increased 3.2 percent in the second year and 27.5 percent in the third year, while sewing machines, on the other hand, increased 164.3 percent and 1,340.3 percent in these years. Decreases in year 3 were shown in dishes, lawn mowers, and toilet preparations while in each case the year-2 figures showed a sizeable increase. Commodities showing decreases in both years were woolens, tapioca, and cereal beverages.



TABLE 4.—Shipments in industrial and commercial group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Steel and iron products.....	1,027,087	1,863,151	81.4	1,917,261	2.9	86.7
<i>Industrial machinery and equipment</i>						
Air filters and blowers.....	371	1,608	333.4	2,782	73.0	649.0
Boilers, tubes, and parts.....	21,761	31,973	46.9	25,310	-20.8	16.3
Cables.....	5,187	9,291	78.5	12,393	33.7	138.7
Cotton gins and parts.....	307	285	-7.2	352	23.5	14.7
Elevators.....	634	1,241	95.7	686	-52.8	-7.6
Engines (gas, steam, etc.).....	62,596	104,839	67.5	141,342	34.8	125.8
<i>Machinery:</i>						
Commercial and industrial.....	123,493	190,083	53.9	159,041	-16.3	28.8
Electrical.....	20,414	34,108	67.1	38,878	14.0	90.4
Refrigeration.....	16,893	33,259	96.9	25,206	-24.2	49.2
Road.....	14,294	21,914	53.3	38,369	66.0	154.4
Machinery parts.....	15,680	20,613	31.5	21,712	5.3	38.5
Scales and parts.....	397	976	145.8	2,464	152.5	520.7
Tools and equipment.....	6,795	11,338	66.9	21,669	91.1	218.9
<i>Commercial equipment</i>						
Baskets, canvas.....	83	105	26.5	887	744.8	968.7
Fire apparatus.....	249	328	36.7	384	17.1	60.0
Furniture, metal.....	4,055	5,768	42.2	7,478	29.7	84.4
Stokers, mechanical.....	1,443	2,489	72.5	1,268	-49.1	-12.3
Store fixtures.....	855	855		810	-5.3	-5.3
Switchboards.....	1,945	670	-65.6	1,032	54.0	-46.9
Theater chairs.....	680	735	8.1	887	20.7	30.4
<i>Industrial material and supplies</i>						
Abrasives.....	228	847	271.0	1,391	64.2	510.1
Animal hair.....	192	364	89.6	292	-19.8	52.1
Burlap and bagging.....	24,158	21,786	-9.8	19,684	-9.6	-18.5
Bottle caps.....	3,709	4,658	25.6	3,680	-21.0	-8.8
Cloth.....	10,861	10,843	-0.2	10,417	-3.9	-4.1
Clothing loops.....	2,129	5,024	136.0	229	-89.5	-89.2
Cork.....	2,726	4,440	62.9	5,203	17.2	90.9
Cotton.....	1,216	1,304	7.2	1,646	26.2	35.4
Cotton-factory supplies.....	939	1,662	77.0	276	-83.4	-70.6
Felt and carpeting.....	8,131	12,810	57.5	15,662	22.3	92.6
Glue and sizing.....	4,019	5,917	47.2	5,195	-12.2	29.3
Hides and pelts.....	9,883	17,198	74.0	29,921	74.0	202.8
Malt and malt sirup.....	25,048	43,443	73.4	53,284	22.7	112.7
<i>Oils:</i>						
Fish and animal.....	3,357	2,911	-13.3	7,116	144.5	112.0
Vegetable.....	19,065	20,917	9.7	44,253	111.6	132.1
Ore.....	3,027	10,564	249.0	58,892	457.5	1,845.6
Sponges.....	508	796	56.7	250	-68.6	-50.8
Tallow.....	2,585	3,746	44.9	5,632	50.3	117.9
Tanners extracts and oils.....	3,412	3,620	6.1	2,482	-31.4	-27.3
Tobacco.....	10,671	9,771	-8.4	15,206	65.6	42.5
Waste, sweeping, etc.....	2,717	2,821	3.8	6,226	120.7	129.1
Yarn.....	2,505	3,672	46.6	2,947	-19.7	17.6
<i>Building and construction material</i>						
Asbestos products.....	16,620	21,581	29.8	31,821	47.4	91.5
Asphalt and products.....	341,164	348,559	2.2	442,965	27.1	29.8
Bricks.....	72,104	90,139	25.0	97,112	7.7	34.7
Building material.....	66,479	75,935	14.2	93,608	23.3	40.8
Cement and concrete products.....	300,339	283,290	-5.7	300,957	6.2	2.2
Coal tar, pitch, and products.....	37,813	34,825	-7.9	55,430	60.2	46.6
Insulation.....	9,167	11,613	26.7	18,414	58.6	100.9
Lumber and products.....	120,270	159,841	32.9	184,191	15.2	53.1
Sand.....	167,174	171,594	2.6	225,807	31.6	35.1
Shingles.....	12,014	8,955	-25.5	5,712	-36.2	-62.5
Stone and products.....	123,834	109,633	-11.5	126,360	15.3	2.0
<i>Nonferrous metals and products</i>						
Aluminum and products.....	5,435	10,810	98.9	9,407	-13.0	73.1
Copper and brass products.....	17,683	26,312	48.8	39,037	48.4	120.8
Lead and products.....	9,230	9,513	3.1	14,882	56.4	61.2
Zinc and products.....	7,201	9,081	26.1	5,530	-39.1	-23.2
Total.....	2,772,821	3,896,302	40.5	4,359,296	11.9	57.2

The industrial and commercial group, by far the largest in diversity and weight, increased by 40.5 percent and 57.2 percent in years 2 and 3 over year 1. The weightiest commodity in this group was steel and iron products which showed an increase of 81.4 percent in year 2 and of 86.7 percent in year 3. Agricultural machinery increased 67.1 percent in year 2 and 90.4 percent in year 3. Shipments of road machinery showed gains of 53.3 percent and 154.4 percent in years 2 and 3. Machinery parts increased by 31.5 percent in year 2 and by 38.5 percent in year 3. In line with these increases, tools and equipment showed an increase of 66.9 percent in the second year and 218.9 percent in the third year. In the building and construction section of this group, lumber and products increased 32.9 percent and 53.1 percent, bricks 25 percent and 34.7 percent, and asphalt 2.2 percent and 29.8 percent in years 2 and 3. Shingles, on the other hand, decreased in both years, showing a 25.5 percent decrease in year 2 and a 52.5 percent decrease in year 3. However, asbestos products, including asbestos shingles, increased 29.8 percent and 91.5 percent in the same years.

TABLE 5.—Shipments in general group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>General</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Airplanes and parts.....	260	628	140.8	250	-58.6	-0.4
Alcohol and antifreeze.....	15,403	33,780	119.3	32,712	-3.2	112.4
Automobiles.....	220,427	525,973	138.6	705,063	34.0	219.9
Automobile parts and accessories.....	641,633	930,023	44.9	1,332,420	43.3	107.7
Batteries.....	53,535	73,480	37.3	78,632	7.0	46.9
Bicycles, motorcycles, and velocipedes.....	867	1,632	88.2	2,445	49.8	182.0
Gasoline, oil, and petroleum products.....	1,457,926	1,714,191	17.6	1,983,795	15.7	36.1
Trucks.....	16,872	29,353	74.0	34,491	17.5	104.4
Fuel: Coke.....	144,374	161,586	11.9	186,402	15.4	29.2
<i>Paper and printed matter</i>						
Magazine, books, and other advertising matter.....	81,826	91,683	12.0	99,845	8.9	22.0
Paper and products.....	566,260	683,683	20.7	713,034	4.3	25.9
<i>School, church, and hospital goods</i>						
Hospital supplies.....	507	558	10.1	325	-41.8	-35.9
Organs and equipment.....	63	260	312.7	459	76.5	628.6
School furniture and supplies.....	1,694	2,032	20.0	1,464	-23.4	-14.2
<i>General utility supplies and equipment</i>						
Clay products.....	47,151	52,330	11.0	93,506	78.7	98.3
Drugs and chemicals.....	559,058	705,222	26.1	653,182	-7.4	16.8
Explosives.....	10,771	10,715	-0.5	9,405	-11.7	-12.1
Glass and glassware.....	188,368	235,424	25.0	259,275	10.1	37.7
Ink.....	3,122	2,853	-8.6	3,480	22.0	11.5
Leather and leather goods.....	8,326	9,945	19.4	13,471	35.5	61.8
Millwork and cooperage.....	49,749	66,548	33.8	67,703	1.9	36.3
Nails.....	38,742	66,291	71.1	40,295	-30.2	19.5
Paints and varnishes.....	48,603	68,467	40.9	91,704	33.9	88.7
Rubber and products.....	16,168	24,929	54.2	19,682	-21.0	21.7
Soap.....	113,983	134,710	18.2	182,064	35.2	59.7
Tin and products.....	355,950	499,589	40.4	430,568	-13.8	21.0
Twine and rope.....	36,047	16,037	-58.3	20,901	39.4	-41.9
Total.....	4,677,665	6,140,920	31.3	7,062,872	15.0	51.0

Shipments of all commodities in the general group increased 31.3 percent and 51 percent in years 2 and 3, respectively, when compared with year 1. In this group automobiles showed a gain of 138.6 percent in year 2 and 219.9 percent in year 3. Automobile parts and accessories increased 44.9 percent and 107.7 percent in these years.

Paper and products increased 20.7 percent in year 2 and 25.9 percent in year 3. Shipments of clay and clay products showed gains of 11 percent and 98.3 percent in years 2 and 3. Millwork and cooperage increased in years 2 and 3 by 33.8 percent and 36.3 percent and paints and varnishes by 40.9 percent and 88.7 percent.

General decreases in both years are shown by twine and rope and explosives while decreases in year 3 were shown only by airplanes and parts, school furniture and supplies, and hospital supplies. Ink decreased 8.6 percent in year 2 but showed an increase of 11.5 percent in year 3.

## II. SHIPMENTS CLASSIFIED BY AGRICULTURAL REGIONS OF DESTINATION

### SOUTHEAST REGION

TABLE 6.—Total shipments, by groups of commodities

Group	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Agricultural.....	56,473	99,278	75.8	136,480	37.5	141.7
Domestic and personal.....	115,653	182,309	57.6	279,778	53.5	141.9
Industrial and commercial.....	821,431	1,179,189	43.6	1,604,107	36.0	95.3
General.....	1,100,499	1,445,052	31.3	2,121,363	46.8	92.8
Total.....	2,094,056	2,905,828	38.8	4,141,728	42.5	97.8

Total shipments of manufactured commodities from the industrial area into the southeastern region over four important railroads, showed a gain over year 1 of 38.8 percent in year 2 and 97.8 percent in year 3. These commodities were delivered by the Southern, Central of Georgia, Louisville & Nashville, and Illinois Central Railroads.

TABLE 7.—Shipments in agricultural group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Farm implements and machinery.....	8,561	26,006	203.8	51,253	97.1	498.7
Tractors and parts.....	6,707	9,008	34.3	17,284	91.9	157.7
Other farm production goods:						
Beehives.....	31	108	248.4	94	-13.0	203.2
Brooders and incubators.....	188	83	-66.5	74	17.5	-60.6
Fence posts, steel.....	182	374	105.5	1,180	215.5	548.4
Harness and saddlery.....	1,192	2,521	111.5	556	-78.0	-53.4
Wagons and wheels.....	2,074	4,755	129.3	2,210	-63.3	6.6
Wire and fencing.....	37,538	56,443	50.4	63,829	13.1	70.0
Total.....	56,473	99,278	75.8	136,480	37.5	141.7

In the agricultural group, farm implements and machinery showed the largest increase, with gains in years 2 and 3 of 203.8 percent and 498.7 percent, respectively, over year 1. Steel fence posts jumped from a 105.5-percent increase in year 2 to a 548.4-percent increase in year 3. Wire and fencing increased 50.4 percent in the second year and 70 percent in year 3. Tractors and parts showed a gain of 34.3 percent in year 2, and 157.7 percent in year 3.

The only decrease for both years in this group was in brooders and incubators, with a decrease of 66.5 percent in year 2 and 60.6 percent in year 3. The year 3 increase over year 2 was 17.5 percent.

TABLE 8.—Shipments in domestic and personal group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>Furniture</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Bookcases and desks.....	31	56	80.6	220	308.9	638.7
Cabinets and kitchen cabinets.....	854	1,923	125.2	1,788	-7.0	109.4
Chairs.....	321	709	120.9	1,517	114.0	372.6
Electric lamps and fixtures.....	463	858	85.3	-----	-----	-----
Furniture, mixed.....	8,684	11,483	32.2	15,683	36.6	80.6
Radios and parts.....	319	540	69.3	915	69.4	186.8
Refrigerators.....	4,629	11,512	148.7	28,583	148.3	517.5
Sewing machines.....	77	216	180.5	1,704	688.9	2,113.0
Stoves and heaters.....	6,251	11,482	83.7	16,928	47.4	170.8
Tables.....	24	267	1,012.5	258	-3.4	975.0
<i>Other household goods</i>						
Bedding.....	361	856	137.1	443	-48.3	22.7
Carpets and linoleum.....	4,424	6,611	49.4	7,306	10.6	65.1
Cotton piece goods and bathing.....	5,047	5,476	8.5	5,311	-3.0	5.2
Dishes.....	204	284	39.2	157	-44.7	-23.0
Electrical appliances.....	578	729	26.1	2,754	277.8	376.5
Furnaces.....	816	2,101	157.5	3,493	66.3	328.1
Lawn mowers.....	252	543	115.5	554	2.0	119.8
Matches.....	3,910	7,973	103.9	9,704	21.7	148.2
Plumbers' fixtures and fittings.....	3,757	4,860	29.4	11,086	128.1	195.1
Shoe polish.....	51	545	968.6	180	-65.3	270.6
Woolens.....	5,291	4,782	-9.0	4,663	-2.5	-11.9
Clothing.....	376	690	83.5	590	-14.5	56.9
<i>Prepared foods</i>						
Cereals.....	20,726	22,803	10.0	32,435	42.2	56.5
Cereal beverages.....	3,500	3,084	-11.9	5,019	62.7	43.4
Confectionery.....	4,778	4,492	-6.0	5,653	25.8	18.3
Gelatin.....	12	253	2,008.3	168	-33.6	1,300.0
Sauces and extracts.....	12,059	13,501	12.0	12,539	-7.1	4.0
Spaghetti.....	257	315	22.6	77	-75.6	-70.0
Tapioca.....	56	119	112.5	210	76.5	275.0
<i>Beverages</i>						
Beer.....	14,665	34,417	134.7	63,830	85.5	335.3
Fruit and vegetable juices.....	1,735	2,851	64.3	3,889	36.4	124.1
Ginger ale and other beverages.....	3,243	6,550	102.3	13,602	107.4	319.4
Liquor.....	2,963	10,190	244.2	18,770	84.0	533.5
<i>Sporting goods</i>						
Arms and ammunition.....	3,216	6,238	94.0	6,068	-2.7	88.7
Targets.....	64	226	253.1	467	102.2	614.1
<i>Miscellaneous</i>						
Tollot preparations.....	1,177	1,845	56.8	1,093	-40.8	-7.1
Toys.....	426	663	55.6	1,066	106.4	361.2
Undertakers' supplies.....	56	248	342.9	142	-42.8	163.6
<b>Total.....</b>	<b>115,653</b>	<b>182,309</b>	<b>57.6</b>	<b>279,778</b>	<b>53.5</b>	<b>141.9</b>

Commodities in the domestic and personal group shipped to the southeast region showed an increase over year 1 of 57.6 percent in year 2 and 141.9 percent in year 3.

Sewing machines, in this group, increased 180.5 percent in year 2 and 2,113 percent in year 3. Electrical appliances also indicated a large year 3 gain with an increase of 376.5 percent. The year 2 increase was 26.1 percent.

Plumbers' fixtures and fittings increased in year 2 by 29.4 percent and in year 3 by 195.1 percent. Toys showed an increase of 55.6 percent in year 2 and 361.3 percent in year 3.

TABLE 9.—Shipments in industrial and commercial group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	Thousand pounds	Thousand pounds		Thousand pounds		
Steel and iron products.....	195,359	416,137	113.0	456,603	9.7	133.7
<i>Industrial machinery and equipment</i>						
Air filters and blowers.....	108	324	200.0	692	113.6	540.7
Boilers, tubes, and parts.....	4,693	10,002	113.1	7,666	-24.4	61.2
Cables.....	1,462	3,178	117.4	2,805	-11.7	91.9
Cotton gins and parts.....	217	221	1.8	174	-21.3	19.8
Elevators.....	59	598	916.0	278	-45.3	456.0
Engines (gas, steam, etc.).....	9,921	15,161	52.7	58,328	285.0	487.9
<i>Machinery:</i>						
Commercial and industrial.....	58,995	90,647	53.7	70,642	-22.1	19.7
Electrical.....	1,810	5,251	190.1	7,422	41.4	310.1
Refrigeration.....	4,773	9,595	101.0	7,836	-18.3	64.2
Road.....	3,654	4,816	31.8	9,418	95.6	157.7
Parts.....	2,739	5,314	94.0	6,440	21.3	135.3
Scales and parts.....	139	305	162.6	598	63.8	330.2
Tools and equipment.....	1,796	3,708	106.5	4,627	24.8	157.6
<i>Commercial equipment</i>						
Baskets, canvas.....	73	40	-45.2	845	2,012.5	1,057.5
Fire apparatus.....	42	65	54.8	132	103.1	214.3
Furniture, metal.....	514	1,179	129.4	1,857	57.5	261.8
Stokers, mechanical.....	391	1,256	221.2	465	-65.0	18.9
Store fixtures.....	87	127	50.0	152	19.7	74.7
Switchboards.....	146	146	100.0	127	-13.0	86.3
Theater chairs.....	123	168	36.6	298	77.4	142.3
<i>Industrial material and supplies</i>						
Abrasives.....		57		423	642.1	741.8
Animal hair.....	133	267	100.8	143	-46.5	7.5
Burlap and bagging.....	8,028	6,666	-17.0	8,881	33.2	10.6
Bottle caps.....	1,183	1,091	-7.8	1,570	43.9	32.7
Cloth.....	6,902	6,022	-12.7	5,040	-1.4	-13.9
Clothing loops.....	1,162	4,361	276.3	96	-97.8	-91.7
Cork.....	870	1,408	61.8	1,420	0.9	63.2
Cotton.....	483	1,196	147.6	1,174	-1.8	143.1
Cotton factory supplies.....	161	357	121.7	143	-60.0	-11.2
Felt and carpeting.....	1,990	3,689	84.8	4,821	30.7	141.5
Glue and sizing.....	1,914	2,033	6.2	2,225	9.4	16.2
Hides and pelts.....	8,943	10,629	85.9	29,343	76.5	228.1
Malt and malt syrup.....	4,637	9,708	109.4	19,815	104.1	327.3
<i>Oils:</i>						
Flash and animal.....	425	912	114.6	1,707	87.2	301.6
Vegetable.....	2,881	4,833	67.8	21,781	350.7	656.0
Ore.....	1,140	5,990	425.4	48,455	709.0	4,150.4
Sponges.....	385	651	69.1	179	-72.5	-53.5
Tallow.....	778	1,461	86.5	4,373	201.4	462.1
Tanners extracts and oils.....	3,056	3,135	2.6	1,593	-49.2	-47.9
Tobacco.....	3,611	5,237	45.0	8,701	66.1	141.2
Waste, sweeping, etc.....	1,446	1,689	16.6	4,607	172.8	218.6
Yarn.....	1,402	2,299	57.3	2,162	-6.0	47.9

TABLE 9.—Shipments in industrial and commercial group, by commodities—Con.

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>Building and construction material</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Asbestos products.....	2, 688	4, 261	58. 5	11, 395	167. 4	323. 9
Asphalt products.....	115, 605	139, 204	20. 5	211, 884	52. 1	83. 3
Bricks.....	14, 613	25, 133	72. 0	35, 934	42. 9	145. 9
Building material.....	32, 074	44, 000	37. 2	58, 828	33. 7	83. 4
Cement and concrete products.....	169, 983	159, 183	-6. 4	203, 216	27. 7	19. 6
Coal tar, pitch, and products.....	20, 387	14, 328	-29. 7	23, 977	67. 3	17. 7
Insulation.....	1, 304	2, 622	101. 1	6, 487	147. 4	397. 5
Lumber and products.....	21, 120	24, 984	18. 3	50, 589	102. 5	139. 5
Sand.....	55, 689	66, 026	18. 6	122, 747	85. 9	120. 4
Shingles.....	7, 726	4, 098	-47. 0	676	-83. 5	-91. 3
Stone and products.....	28, 405	30, 202	6. 3	47, 346	56. 8	66. 7
<i>Nonferrous metals and products</i>						
Aluminum and products.....	1, 126	1, 023	-9. 2	1, 856	81. 4	64. 8
Copper and brass products.....	5, 840	8, 731	49. 5	15, 194	74. 0	160. 2
Lead and products.....	5, 003	4, 710	-15. 9	4, 849	3. 0	-13. 5
Zinc and products.....	726	2, 740	277. 4	2, 267	-17. 3	212. 3
Total.....	821, 431	1, 179, 189	43. 6	1, 604, 107	36. 0	95. 3

Shipments of steel and iron products to the southeast region showed gains of 113 percent in year 2 and 133.7 percent in year 3, as compared with those of year 1. Electrical machinery made a 190.1 percent gain in year 2 and a 310.1 percent gain in year 3; while industrial and commercial machinery dropped from a 53.7 percent gain in year 2 to a 19.7 percent increase in year 3. Machinery parts gained 94 percent in year 2 and 135.3 percent in year 3. Road machinery jumped from 31.8 percent in year 2 to 157.7 percent in year 3.

Asbestos products showed a year 2 gain over year 1 of 58.5 percent, and the year 3 gain was 323.9 percent over year 1. Miscellaneous building materials increased 37.2 percent in year 2 and 84.4 percent in year 3.

The commodities in this group showing general decreases in both years were cloth, shingles, and lead and its products.

TABLE 10.—Shipments in general group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>General</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Airplanes and parts.....	32	184	475.0	26	-85.9	-18.8
Alcohol and antifreeze.....	2,537	5,704	127.2	6,011	6.3	136.0
Automobiles.....	38,641	87,149	125.5	145,582	67.0	276.8
Automobile parts and accessories.....	228,676	348,524	52.4	434,429	24.6	90.0
Batteries.....	11,877	19,602	65.0	23,369	19.2	96.8
Bicycles, motorcycles, and velocipedes.....	210	432	105.7	1,040	140.7	395.2
Gasoline, oil, and petroleum products.....	334,771	346,846	3.5	564,680	63.1	68.8
Trucks.....	5,536	6,041	9.1	8,406	39.1	51.8
Fuel: Coke.....	14,606	16,087	10.1	21,898	36.1	49.9
<i>Paper and printed matter</i>						
Magazines, books, and other advertising materials.....	4,211	5,678	34.8	8,504	49.8	101.9
Paper and products.....	134,521	178,601	32.8	234,865	31.5	74.6
<i>School, church, and hospital goods</i>						
Organs and equipment.....		196		298	52.0	
Hospital supplies.....	41	20	-51.2	149	645.0	263.4
School furniture and supplies.....	521	600	15.2	278	-53.7	-46.7
<i>General utility supplies and equipment</i>						
Clay products.....	13,478	17,527	30.0	50,687	189.2	276.1
Drugs and chemicals.....	115,575	144,425	25.0	233,253	61.5	101.8
Explosives.....	3,427	3,703	8.1	3,178	-14.2	-7.3
Glass and glassware.....	51,906	84,809	63.4	114,953	35.5	121.5
Ink.....	1,028	1,195	16.2	1,655	38.5	61.0
Leather and leather goods.....	3,119	5,301	70.0	8,500	62.0	175.4
Millwork and cooperage.....	11,776	15,580	32.1	24,580	58.0	108.7
Nails.....	13,336	24,506	83.8	18,276	-25.4	37.4
Paints and varnishes.....	9,704	11,033	13.7	28,828	161.3	197.1
Rubber and products.....	1,085	3,022	178.5	5,769	90.9	431.7
Soap.....	62,279	72,339	16.2	114,474	58.2	83.8
Tin and products.....	35,388	43,993	24.3	65,132	48.1	84.1
Twine and rope.....	2,219	1,915	-13.7	2,453	28.1	10.5
Total.....	1,100,500	1,445,052	31.3	2,121,363	46.8	92.8

In the general group, automobiles showed a gain over year 1 of 125.5 percent in year 2 and 276.8 percent in year 3, while parts and accessories gained 52.4 percent in year 2 and 90.0 percent in year 3. Trucks increasing only 9.1 percent in the second year showed an increase of 51.8 percent in the third year.

Magazines, books and advertising materials increased 34.8 percent in year 2 and 101.9 percent in year 3. Drugs and chemicals showed sizeable gains in both years with increases of 25.0 percent and 101.8 percent, respectively. Paints and varnishes gained from a 13.7 percent increase in year 2 to a 197.1 percent increase in year 3.

There were no general decreases in both years in this group. However, year 3 decreases were shown in airplanes and parts, explosives, and school furniture and supplies; while year 2 decreases were shown only in hospital supplies and twine and rope.

## SOUTHWEST REGION

TABLE 11.—Total shipments by groups of commodities

Group	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Agricultural.....	61,694	132,060	114.1	162,948	23.4	164.1
Domestic and personal.....	183,482	267,924	56.9	340,174	18.1	85.4
Industrial and commercial.....	760,000	988,338	30.0	1,002,963	1.5	32.0
General.....	1,387,619	1,877,522	35.3	1,944,820	3.6	40.2
Total.....	2,392,795	3,285,844	37.3	3,450,914	6.0	44.2

Shipments of all industrial commodities to the southwest region increased in year 2 by 37.3 percent. The increase in year 3 was 44.2 percent. The agricultural group showed an increase of 114.1 percent and 164.1 percent in years 2 and 3, respectively. The group showing the smallest gain was the industrial and commercial group with increases of 30 and 32 percent in these years.

The domestic and personal group showed increases of 56.9 percent in year 2 and 85.4 percent in year 3, while the general group gained from an increase 35.3 percent in year 2 to a 40.2 percent gain in the third year.

The railroads delivering commodities into this region were the Atchison, Topeka & Santa Fe; the Missouri Pacific; the St. Louis & San Francisco; the Southern Pacific; and the Texas & Pacific.

TABLE 12.—Shipments in agricultural group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Farm implements and machinery.....	16,869	40,878	142.3	70,178	71.7	316.0
Tractors and parts.....	16,017	29,583	97.0	48,835	65.1	225.2
Other farm production goods:						
Beehives.....	54	64	18.5	91	42.2	68.5
Brooders and incubators.....	130	52	-60.0	112	115.4	-13.8
Fence posts, steel.....	302	1,216	302.6	480	-60.5	58.9
Harness and saddlery.....	691	765	29.4	279	-63.5	-52.8
Wagons and wheels.....	1,400	3,890	177.9	1,507	-61.3	7.6
Wire and fencing.....	27,331	55,612	103.5	41,468	-25.4	51.7
Total.....	61,694	132,060	114.1	162,948	23.4	164.1

In the agricultural group of commodities shipped to the Southwest region, farm implements and machinery showed the largest increase, with gains of 142.3 percent in year 2 and 316 percent in year 3 (as compared with year 1.) Shipments of tractors and parts increased 225.2 percent in year 3 and 97 percent in year 2.

Wire and fencing increased 103.5 percent in year 2 and 51.7 percent in year 3, while steel fence posts showed a greater decline, dropping from 302.6 percent in year 2 to 58.9 percent in year 3.



The only commodity in this group showing decreases for both years was brooders and incubators with a 60 percent decrease in year 2 and 13.8 percent decrease in year 3.

Total shipments in this group increased in year 2 by 114.1 percent and in year 3 jumped to 164.1 percent.

TABLE 13.—Shipments in domestic and personal group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percent- age of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percent- age of increase, year 3 over year 2	Percent- age of increase, year 3 over year 1
<i>Furniture</i>						
Bookcases and desks.....	89			49		-44.9
Cabinets and kitchen cabinets.....	180	598	232.2	602	0.7	234.4
Chairs.....	700	590	-15.7	815	38.1	16.4
Electric lamps and fixtures.....	818	729	-10.8			
Furniture, mixed.....	17,440	20,450	17.3	21,398	4.6	22.7
Radios and parts.....	2,913	2,251	-22.7	3,701	64.4	27.1
Refrigerators.....	13,509	20,467	51.5	36,833	80.0	172.7
Sewing machines.....	72	86	-22.2	633	1,030.4	779.2
Stoves and heaters.....	11,883	15,576	31.1	18,665	19.8	57.1
Tables.....	300	283	-5.7	139	-50.9	-54.7
<i>Other household goods</i>						
Bedding.....	284	782	175.4	306	-60.9	7.7
Carpets and linoleum.....	2,648	5,607	111.7	4,800	-14.4	81.3
Cotton piece goods and bathing.....	5,121	3,458	-32.5	3,517	1.8	-31.3
Dishes.....	348	400	14.9	507	26.8	45.7
Electrical appliances.....	897	1,452	61.9	2,138	47.1	138.1
Furnaces.....	675	1,941	187.6	1,589	-18.1	135.4
Lawn mowers.....	443	704	58.9	308	-56.3	-30.5
Matches.....	3,497	0,267	79.2	4,675	-25.4	33.7
Plumbers' ware, tubs, etc.....	6,689	8,426	26.0	11,863	40.8	77.4
Shoe polish.....	79	109	38.0	169	55.0	113.9
Woolens.....	156	409	162.2	391	-4.4	150.6
Clothing.....	222	143	-35.7	310	123.1	43.7
<i>Prepared foods</i>						
Cereals.....	28,752	41,284	6.5	43,549	5.5	12.4
Cereal beverages.....	6,814	9,067	33.1	617	-93.2	90.9
Confectionery.....	19,208	14,911	-22.4	21,847	46.5	13.7
Gelatin.....		57		90	57.9	
Sauces and extracts.....	4,304	4,184	-2.8	4,430	0.1	3.1
Spaghetti.....		105		208	155.2	
Taploca.....	124	144	16.1	65	-61.8	-65.6
<i>Beverages</i>						
Beer.....	29,813	96,253	222.9	116,019	20.5	289.2
Fruit and vegetable juices.....	1,079	1,689	56.5	1,942	15.0	80.0
Ginger ale and other beverages.....	7,510	8,907	18.6	6,693	-24.9	-10.9
Liquor.....	1,730	14,265	724.6	26,421	85.2	1,427.2
<i>Sporting Goods</i>						
Arms and ammunition.....	2,290	3,942	72.1	2,317	-41.2	1.2
Targets.....	285	189	-28.7	246	30.2	-7.2
<i>Miscellaneous</i>						
Toilet preparations.....	1,479	1,657	12.0	863	-47.9	-41.6
Toys.....	1,052	607	-51.8	1,250	147.7	19.4
Undertakers' supplies.....	99	67	-32.3	137	104.5	38.4
Total.....	183,482	287,924	56.9	340,174	18.1	85.4

Among those commodities in the domestic and personal group shipped to the southwest region, refrigerators increased from a 51.5 percent gain in year 2 to a 172.7 percent gain in year 3. Electrical

appliances showed increases over year 1 of 61.9 percent in year 2 and 138.1 percent in year 3.

Liquor shipments in year 2 showed a gain of 724.6 percent and in year 3 of 1,427.2 percent.

General decreases in this group were shown by tables, cotton piece goods and batting, and targets. For the group as a whole, the increase was 56.9 percent in year 2 and 85.4 percent in year 3.

TABLE 14.—Shipments in industrial and commercial group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percent- age of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percent- age of increase, year 3 over year 2	Percent- age of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Steel and iron products.....	368,553	596,664	61.9	615,687	3.2	67.1
<i>Industrial machinery and equipment</i>						
Air filters and blowers.....	102	677	563.7	1,472	117.4	1,343.1
Boilers, tubes, and parts.....	6,764	9,048	33.8	6,634	-27.8	-3.4
Cables.....	1,772	1,637	-7.6	3,922	139.6	121.3
Cotton gins and parts.....		20		28	40.0	
Elevators.....	303	424	40.0	122	-71.2	-60.7
Engines (gas, steam, etc.).....	46,613	75,271	61.5	63,897	-15.1	37.1
Machinery:						
Commercial and industrial.....	25,833	36,227	40.2	31,799	-12.2	23.1
Electrical.....	8,871	9,016	1.6	7,959	-11.7	-10.3
Refrigeration.....	5,169	6,763	30.6	5,963	-11.7	15.4
Road.....	3,038	3,234	6.5	9,215	184.9	203.3
Machinery parts.....	6,646	5,064	-23.8	5,061	-.1	-23.8
Scales and parts.....	60	108	110.0	550	409.3	1,000.0
Tools and equipment.....	1,560	2,294	46.2	10,336	350.6	558.8
<i>Commercial equipment</i>						
Baskets, canvas.....	10			42		320.0
Fire apparatus.....	130	156	43.1	169	-9.1	30.0
Furniture, metal.....	1,130	1,458	29.0	2,815	93.1	149.1
Stokers, mechanical.....	494	800	61.9	80	-90.0	-83.8
Store fixtures.....	343	192	-44.0	192		-44.0
Switchboards.....	605	171	-74.3	272	59.1	-59.1
Theater chairs.....	208	296	41.8	400	35.6	92.3
<i>Industrial material and supplies</i>						
Abrasives.....	75	588	684.0	13	-97.8	-82.7
Animal hair.....	27	18	-33.3	45	150.0	66.7
Burlap and bagging.....	7,044	6,084	-13.6	3,677	-41.2	-49.2
Bottle caps.....	1,483	2,592	74.8	1,100	-55.2	-21.8
Cloth.....	394	1,067	170.8	740	-30.7	87.8
Clothing loops.....	825	420	-49.1			
Cork.....	463	617	33.1	1,131	83.3	144.3
Cotton.....	25	40	60.0	89	122.5	266.0
Cotton factory supplies.....	767	1,286	67.5	71	-94.5	-90.7
Felt and carpeting.....	1,420	2,661	86.7	3,221	21.5	126.8
Glue and sizing.....	210	332	58.1	991	198.5	371.9
Hides and pelts.....	91					
Malt and malt sirup.....	9,630	11,157	15.9	10,616	-5.7	9.2
Oils:						
Fish and animal.....	1,212	1,309	8.0	2,347	79.3	93.6
Vegetable.....	4,985	4,607	-7.6	6,150	33.5	23.4
Ore.....	1,525	4,401	188.6	9,036	126.8	551.5
Sponges.....	105	92	-12.4			
Tallow.....	390	103	-73.0	42	-59.2	-80.2
Tanners' extracts and oils.....	294	150	-49.0	104	-30.7	-64.6
Tobacco.....	6,873	4,137	-39.8	5,000	20.0	-27.3
Waste, sweeping, etc.....	494	856	-27.9	732	105.6	48.2
Yarn.....	685	713	4.1	307	-66.0	-55.2

TABLE 14.—Shipments in industrial and commercial group, by commodities—Con.

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percent- age of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percent- age of increase, year 3 over year 2	Percent- age of increase, year 3 over year 1
<i>Building and construction material</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Asbestos products.....	3, 472	5, 111	47. 2	5, 612	9. 8	61. 6
Asphalt products.....	67, 844	63, 845	-6. 2	60, 570	-4. 8	-10. 7
Bricks.....	14, 041	18, 368	30. 8	14, 091	-18. 4	6. 8
Building material.....	15, 941	15, 081	-5. 4	16, 173	7. 2	1. 5
Cement and concrete products.....	51, 889	8, 950	-82. 7	12, 370	38. 1	-76. 2
Coal tar, pitch and products.....	2, 211	2, 421	9. 5	4, 844	100. 1	119. 1
Insulation.....	3, 125	3, 835	22. 7	3, 921	2. 2	25. 5
Lumber and products.....	22, 275	20, 258	-9. 0	13, 158	-35. 0	-40. 9
Sand.....	14, 760	16, 507	11. 8	15, 900	-3. 7	7. 7
Shingles.....	1, 132	965	-14. 8	1, 281	32. 7	13. 2
Stone and products.....	32, 215	28, 202	-12. 5	20, 458	-27. 5	-36. 5
<i>Nonferrous metals and products</i>						
Aluminum and products.....	2, 352	2, 090	-11. 1	1, 871	-10. 5	-20. 5
Copper and brass products.....	5, 899	6, 133	58. 5	9, 126	48. 8	135. 9
Lead and products.....	1, 217	1, 704	40. 0	7, 132	318. 5	486. 0
Zinc and products.....	6, 377	2, 804	-56. 0	2, 869	2. 3	-55. 0
<b>Total.....</b>	<b>780, 000</b>	<b>988, 338</b>	<b>30. 0</b>	<b>1, 002, 963</b>	<b>1. 5</b>	<b>32. 0</b>

Total shipments in the industrial and commercial group to the southwest region increased 30 percent in year 2 and 32 percent in year 3, with steel and iron showing the greatest number of shipments. The increase of shipments of this commodity was 61.9 percent in year 2 and 67.1 percent in year 3. Road machinery jumped from a 6.5 percent gain in year 2 to an increase of 203.3 percent in year 3. On the other hand, machinery parts showed a 23.8 percent decrease in each year. Tools and equipment, however, made a 46.2 percent increase in year 2 and a 558.8 percent gain in year 3.

Asbestos products showed increases of 47.2 percent in year 2 and 61.6 percent in year 3 and shipments of insulation and brass products showed gains of 58.5 percent in year 2 and 135.9 percent in year 3.

Commodities showing decreases in both years were machinery parts, switchboards, store fixtures, burlap and bagging, tallow, tanners' extracts and oils, tobacco, asphalt and products, cement and concrete products, lumber and products, stone and products, aluminum and products, and zinc and products.

TABLE 15.—Shipments in general group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>General</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Airplanes and parts.....	131	280	113.7	20	-92.9	-84.7
Alcohol and antifreeze.....	2,913	7,569	159.8	5,955	-21.3	104.4
Automobiles.....	76,356	139,005	82.0	169,761	22.1	122.3
Automobile parts and accessories.....	318,897	452,215	41.8	670,643	48.3	110.3
Batteries.....	16,919	23,622	30.6	20,808	-11.9	23.0
Bicycles, motorcycles, and velocipedes.....	432	185	-57.2	359	94.1	-16.9
Gasoline, oil, and petroleum products.....	267,158	322,918	20.9	304,633	-5.7	14.0
Trucks.....	6,243	11,847	89.8	8,324	-29.7	33.3
Fuel Coke.....	3,808	9,114	139.3	47,225	418.2	1,140.2
<i>Paper and printed matter</i>						
Magazines, books, and other advertising materials.....	35,124	37,812	7.7	39,416	4.2	12.2
Paper and products.....	119,260	142,159	19.2	129,505	-8.9	8.6
<i>School, church, and hospital goods</i>						
Hospital supplies.....	233	15	-93.6			
Organs and equipment.....	14					
School furniture and supplies.....	591	717	21.3	31	-48.3	121.4
<i>General utility supplies and equipment</i>						
Clay products.....	13,619	12,988	-4.6	21,421	64.0	87.3
Drugs and chemicals.....	247,061	335,180	35.7	218,441	-34.8	-11.6
Explosives.....	3,071	2,594	-15.5	1,892	-27.1	-38.4
Glass and glassware.....	46,489	49,541	6.6	47,859	-3.4	2.9
Ink.....	784	526	-32.9	659	25.3	-15.9
Leather and leather goods.....	3,092	2,745	-11.2	2,568	-6.4	-10.9
Millwork and cooperage.....	5,473	9,304	70.0	9,359	6	71.0
Nails.....	9,038	15,585	72.4	8,120	-47.8	-10.1
Paints and varnishes.....	15,218	20,984	37.9	26,000	23.9	70.9
Rubber and products.....	1,625	2,770	71.0	4,468	60.8	175.0
Soap.....	15,406	17,225	11.8	21,018	22.0	36.4
Tin and products.....	174,677	269,164	48.4	182,078	-20.7	4.2
Twine and rope.....	3,987	1,443	-63.8	3,877	168.7	-2.8
<b>Total.....</b>	<b>1,387,619</b>	<b>1,877,622</b>	<b>35.3</b>	<b>1,944,820</b>	<b>3.0</b>	<b>40.2</b>

In the General group there were gains of 40.2 percent in year 3 and 35.3 percent in year 2. Shipments of automobile parts and accessories increased 41.8 percent in the second year and more than doubled the first year's shipments in year 3 with an increase of 110.3 percent. Automobiles increased 82 percent in year 2 and 122.3 percent in year 3.

Rubber and products gained 71 percent and 175 percent in years 2 and 3. Paints and varnishes increased 70.9 percent in the third year, while the year 2 increase was 37.9 percent.

Commodities showing decreases in both years were bicycles, motorcycles, and velocipedes, hospital supplies, leather and leather goods, twine and rope, ink, and explosives.

## NORTHWEST REGION

TABLE 16.—Total shipments by groups of commodities

Group	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Agricultural.....	129, 094	284, 290	120. 2	356, 378	25. 4	176. 1
Domestic and personal.....	337, 076	534, 096	58. 4	644, 457	20. 7	91. 2
Industrial and commercial.....	1, 191, 391	1, 728, 865	45. 1	1, 752, 226	1. 4	47. 1
General.....	2, 189, 546	2, 818, 346	28. 7	2, 966, 680	6. 3	36. 9
Total.....	3, 847, 103	5, 365, 597	39. 5	5, 749, 741	7. 2	49. 5

Total weight of commodities shipped into the northwest region from the industrial States gained 39.5 percent in year 2 and 49.5 percent in year 3 over the year 1 level. The group showing the greatest increase in year 3 was the agricultural group with 176.1 percent. Following in their order were the domestic and personal group, 91.2 percent; industrial and commercial group, 47.5 percent; and the general group, 36.9 percent.

Railroads delivering commodities into this region were: The Chicago, Burlington & Quincy; the Chicago & North Western; the Chicago, Milwaukee, St. Paul & Pacific; the Chicago, Rock Island & Pacific; the Great Northern; the Northern Pacific; and the Union Pacific.

TABLE 17.—Shipments in agricultural group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Farm implements and machinery.....	46, 407	120, 519	159. 7	172, 564	43. 2	271. 8
Tractors and parts.....	14, 766	38, 528	160. 9	80, 886	110. 0	447. 8
Other farm production goods:						
Beehives.....	179	189	5. 0	161	-14. 8	-10. 1
Brooders and incubators.....	320	475	48. 4	563	18. 5	75. 9
Harness and saddlery.....	890	1, 484	65. 1	622	-58. 1	-31. 0
Steel fence posts.....	3, 129	7, 204	133. 1	9, 083	24. 5	190. 3
Wagons and wheels.....	1, 390	3, 054	119. 7	2, 032	-33. 5	46. 2
Wire and fencing.....	62, 004	112, 747	81. 8	90, 467	-19. 8	45. 9
Total.....	120, 094	284, 290	120. 2	356, 378	25. 4	176. 1

In the group of commodities used chiefly in farm production, shipments to the Northwest region of tractors and parts increased 160.9 percent in year 2 and 447.8 percent in year 3. Shipments of farm implements and machinery jumped from a 159.7 percent increase in year 2 to a 271.8 percent increase in year 3. Steel fence posts increased 133.1 percent in year 2 over year 1 and 190.3 percent in year 3 over year 1, while wire and fencing showed an 81.8 percent increase in year 2 and dropped to a 45.9 percent increase in year 3.

The whole group, comprising all the commodities, increased 120.2 percent in year 2 and 176.1 percent in year 3.

TABLE 18.—Shipments in domestic and personal group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>Furniture</i>						
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Bookcases and desks.....	108	48	-55.6			
Cabinets and kitchen cabinets.....	1,018	2,471	142.7	1,709	-30.8	67.9
Chairs.....	1,003	1,707	70.2	1,906	16.9	99.0
Electric lamps and fixtures.....	192	160	-12.0	239	41.4	24.5
Furniture, mixed.....	36,634	42,316	15.5	43,865	3.7	19.7
Radios and parts.....	3,022	3,520	16.5	4,362	23.0	44.3
Refrigerators.....	8,710	17,005	95.2	31,133	83.1	257.4
Sewing machines.....	47	246	423.4	480	97.6	634.0
Stoves and heaters.....	15,400	28,497	85.0	34,387	20.7	123.3
Tables.....	208	154	-20.0			
<i>Other household goods</i>						
Bedding.....	500	762	36.1	1,817	138.5	224.5
Carpets and linoleum.....	11,477	14,745	28.5	13,885	-5.8	21.0
Cotton piece goods and bathing.....	2,721	3,475	27.7	5,981	72.1	119.8
Dishes.....	545	1,523	179.4	367	-75.0	-32.7
Electrical appliances.....	2,066	1,477	-18.8	2,907	73.3	40.7
Furnaces.....	5,675	7,109	26.9	8,947	24.3	57.7
Lawn mowers.....	994	1,204	27.2	667	-47.2	-32.9
Matches.....	7,590	12,945	70.6	12,103	-6.5	59.5
Plumbers' fixtures and fittings.....	8,206	9,799	19.4	15,307	56.2	86.5
Shoe polish.....	544	780	43.4	1,048	34.4	92.6
Woolens.....	808	518	-40.3	537	3.7	-38.1
Clothing.....	589	392	-33.5	604	54.1	2.5
<i>Prepared foods</i>						
Cereals.....	45,800	51,142	11.7	60,251	17.8	31.6
Cereal beverages.....	15,323	2,573	-83.2	3,211	24.8	-79.1
Confectionery.....	30,323	31,558	4.1	46,811	29.3	34.6
Gelatin.....	96	98	2.1	171	74.5	78.1
Sauces and extracts.....	8,273	7,716	-6.7	10,052	30.3	21.5
Spaghettii.....	511	808	58.1	826	2.2	61.6
Tapioca.....	290	110	-62.1	109	-9.0	-62.4
<i>Beverages</i>						
Beer.....	100,350	237,578	136.7	273,424	15.1	172.5
Fruit and vegetable juices.....	782	1,952	149.6	2,655	36.0	239.5
Ginger ale and other beverages.....	18,718	18,004	-9.2	16,144	-5.0	-13.8
Liquor.....	722	19,039	2,537.0	42,662	124.1	5,808.9
<i>Sporting goods</i>						
Arms and ammunition.....	3,130	7,594	142.6	5,780	-23.0	84.7
Targets.....	361	582	65.8	841	44.5	139.6
<i>Miscellaneous</i>						
Toilet preparations.....	1,005	1,628	62.0	1,138	-30.4	12.7
Toys.....	2,255	2,408	6.8	2,080	-13.3	-7.4
Undertakers' supplies.....	970	1,104	13.8	1,743	57.9	79.7
<b>Total.....</b>	<b>337,076</b>	<b>534,096</b>	<b>58.4</b>	<b>644,487</b>	<b>20.7</b>	<b>91.2</b>

Commodities in the domestic and personal group shipped to the northwest region showed a 58.4-percent increase in year 2 and a 91.2-percent increase in year 3.

Refrigerators increased 95.2 percent in year 1 and 257.4 percent in year 3. Stoves and heaters increased 85 percent in year 2 and 123.3 percent in year 3. Plumbing fixtures and fittings gained only 19.4 percent in year 2 but jumped to an 86.5-percent increase in year 3. Fruit and vegetable juices showed advances of 149.6 percent in year 2 and 239.5 percent in year 3. Commodities showing decreases in this group in both years 2 and 3 were woolens, cereal beverages, tapioca, and ginger ale.

TABLE 19.—Shipments in industrial and commercial group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Steel and iron products.....	463, 175	850, 350	83. 6	844, 091	-0. 6	82. 4
<i>Industrial machinery and equipment</i>						
Air filters and blowers.....	161	607	277. 0	618	1. 8	283. 0
Bollers, tubes and parts.....	10, 304	12, 023	25. 4	11, 211	-13. 3	8. 8
Cables.....	1, 953	4, 446	127. 6	5, 656	27. 2	189. 0
Cotton-gin parts.....	90	44	-51. 1	150	241. 0	66. 7
Elevators.....	281	309	10. 0	186	-39. 8	-33. 8
Engines (gas, steam, etc.)....	6, 062	14, 417	137. 8	10, 117	32. 6	215. 4
<i>Machinery:</i>						
<i>Commercial and Industrial</i>						
Electrical.....	38, 665	63, 209	63. 5	50, 600	-10. 5	46. 4
Refrigeration.....	9, 734	10, 841	103. 8	23, 497	18. 4	141. 4
Road.....	6, 951	16, 911	143. 3	11, 407	-32. 6	64. 1
Machinery parts.....	7, 602	13, 864	82. 4	17, 736	27. 0	133. 3
Scales and parts.....	6, 295	10, 235	62. 6	10, 205	-3. 3	62. 1
Tools and equipment.....	208	503	141. 8	1, 316	161. 6	532. 7
	3, 430	5, 336	55. 6	6, 706	25. 7	95. 5
<i>Commercial equipment</i>						
Baskets, canvas.....		65				
Fire apparatus.....	68	77	13. 2	83	7. 8	22. 1
Furniture, metal.....	2, 411	3, 120	29. 8	2, 806	-10. 3	16. 4
Stokers, mechanical.....	558	433	-22. 4	721	66. 5	20. 2
Store fixtures.....	425	536	26. 1	466	-13. 1	9. 6
Switchboards.....	1, 280	353	-72. 4	633	79. 3	-50. 6
Theater chairs.....	340	272	-22. 1	189	-30. 5	-45. 9
<i>Industrial materials and supplies</i>						
Abrasives.....	153	202	32. 0	955	372. 8	524. 2
Animal hair.....	32	70	146. 9	104	31. 6	225. 0
Bagging and burlap.....	9, 084	9, 036	-5. 5	7, 226	-20. 0	-20. 5
Bottle caps.....	1, 043	976	-6. 5	950	-2. 0	-8. 9
Cloth.....	3, 565	8, 764	6. 3	3, 737	-5. 5	4. 8
Clothing loops.....	142	243	71. 1	133	-45. 3	-6. 3
Cork.....	1, 393	2, 415	73. 4	2, 652	9. 8	90. 4
Cotton.....	708	08	-90. 4	383	463. 2	-45. 9
Cotton-factory supplies.....	11	20	81. 8	62	210. 0	403. 0
Felt and carpeting.....	4, 715	6, 470	37. 2	7, 020	17. 8	61. 6
Glue and sizing.....	1, 895	3, 552	87. 4	1, 970	-44. 3	4. 4
Hides and pelts.....	849	569	-33. 0	578	1. 6	-31. 9
Malt and malt syrup.....	10, 781	22, 578	109. 4	22, 953	1. 7	112. 9
<i>Oils:</i>						
Fish and animal.....	1, 720	690	-59. 9	3, 062	343. 8	78. 0
Vegetable.....	11, 199	11, 477	2. 5	16, 322	42. 2	45. 7
Ore.....	362	173	-52. 2	501	189. 6	38. 4
Sponges.....	18	53	194. 4	71	34. 0	294. 4
Tallow.....	1, 417	2, 192	54. 7	1, 217	-44. 5	-14. 1
Tanners' extracts and oils.....	62	335	440. 3	785	134. 3	1, 160. 1
Tobacco.....	187	397	112. 3	1, 505	279. 1	704. 8
Waste, sweepings, etc.....	777	778	-1. 1	887	14. 3	14. 2
Yarn.....	368	660	84. 4	478	-27. 6	33. 5
<i>Building and construction materials</i>						
Asbestos and products.....	10, 460	12, 209	16. 7	14, 814	21. 3	41. 6
Asphalt and products.....	157, 715	145, 050	-7. 7	170, 511	17. 1	8. 1
Bricks.....	43, 450	40, 033	-7. 3	46, 187	-1. 0	6. 3
Building material.....	18, 494	16, 854	-8. 7	18, 607	10. 4	. 8
Cement and concrete products.....	78, 407	115, 161	40. 8	85, 371	-25. 0	8. 8
Coal tar, tar products, and pitch.....	15, 215	18, 076	18. 8	20, 609	47. 2	74. 9
Insulation.....	4, 738	5, 156	8. 8	8, 006	55. 3	60. 0
Lumber and products.....	76, 875	114, 599	49. 1	120, 444	5. 1	56. 7
Sand.....	96, 725	80, 061	-7. 9	87, 220	-2. 1	-9. 8
Shingles.....	3, 156	3, 892	23. 3	3, 755	-3. 5	19. 0
Stone and products.....	63, 214	51, 229	-19. 0	58, 556	14. 3	-7. 4
<i>Nonferrous metals and products</i>						
Aluminum and products.....	1, 957	7, 697	293. 3	5, 680	-26. 2	190. 2
Copper and brass products.....	7, 974	11, 448	43. 6	14, 717	28. 0	84. 6
Lead and products.....	2, 410	3, 099	28. 6	2, 901	-6. 4	20. 4
Zinc and products.....	98	3, 537	3, 509. 2	394	-88. 9	302. 0
Total.....	1, 191, 391	1, 728, 865	45. 1	1, 752, 226	1. 4	47. 1

Total shipments of commodities in the industrial and commercial group increased 45.1 percent in year 2 and 47.1 per cent in year 3. Steel and iron products increased 83.6 percent in year 2 and 82.4 percent in year 3. Electrical machinery increased 103.8 percent in year 2 and 141.4 percent in year 3. Road machinery increased 82.4 percent in year 2 and 133.3 percent in year 3. Machinery parts showed increases of 62.6 percent in year 2 and 62.1 percent in year 3, over year 1 figures. Shipments of asbestos and products increased 16.7 percent in year 2 and 41.6 percent in year 3.

Commodities showing decreases in both years in this group were theater chairs, switchboards, burlap and bagging, bottle caps, cotton, hides and pelts, sand, and stone and products.

TABLE 20.—Shipments in general group, by commodities

Commodity	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
<i>General</i>	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Airplanes and parts.....	97	102	67.0	213	31.5	119.6
Alcohol and antifeazes.....	9,953	20,447	105.4	20,746	1.5	108.4
Automobiles.....	105,430	299,819	184.4	389,720	30.0	269.6
Automobile parts and accessories.....	94,060	129,284	37.4	227,348	75.9	141.7
Batteries.....	24,739	30,256	22.3	34,455	13.9	39.3
Bicycles, motorcycles, and velocipedes.....	225	1,015	351.1	1,046	3.1	364.9
Gasoline, oil, and other petroleum products.....	855,997	1,044,427	22.0	1,114,482	6.7	30.2
Trucks.....	5,093	11,465	125.1	17,761	54.9	248.7
Fuel: Coke.....	125,900	136,385	8.3	117,369	-14.0	-8.8
<i>Printed matter and paper</i>						
Magazines, books, and other advertising material.....	42,491	48,193	13.4	51,925	7.7	22.2
Paper and products.....	312,469	362,923	16.1	348,664	-3.9	11.6
<i>School, church, and hospital goods</i>						
Hospital supplies.....	233	523	124.5	176	-66.4	-24.5
Organs and equipment.....	49	64	30.6	130	103.1	165.3
School furniture and supplies.....	582	715	22.9	805	12.6	38.3
<i>General utility supplies and equipment</i>						
Clay and clay products.....	20,054	21,815	8.8	21,398	-1.9	6.7
Drugs and chemicals.....	196,422	225,611	14.9	261,488	-10.7	2.6
Explosives.....	4,273	4,418	3.4	4,395	-.5	2.9
Glass and glassware.....	80,963	101,074	12.4	96,463	-4.6	7.2
Ink.....	1,310	1,132	-13.6	1,166	3.0	-11.0
Leather and leather goods.....	2,115	1,899	-10.2	2,313	21.8	9.4
Millwork and cooperage.....	32,500	41,684	28.3	33,854	-18.8	4.2
Nails.....	16,368	26,200	60.1	19,890	-24.1	21.5
Paints and varnishes.....	23,681	36,450	53.9	36,867	1.1	55.7
Rubber and products.....	13,458	19,128	42.1	9,445	-50.6	-29.8
Soap.....	36,298	45,146	24.4	46,572	3.2	28.3
Tin and products.....	145,685	196,432	34.6	183,358	-6.7	25.7
Twine and rope.....	29,841	11,670	-60.9	14,631	25.3	-51.0
Total.....	2,189,546	2,818,346	28.7	2,996,680	6.3	36.9

In the general group automobiles jumped from 184.4 percent increase in year 2 to 269.6 percent in year 3, while automobile parts in the same years increased 37.4 percent and 141.7 percent respectively. Paints and varnishes increased 53.9 percent in year 2 and 55.7 percent in year 3. The only decreases in this group in both years were in shipments of twine and rope, and of ink.



III.—SHIPMENTS BY STATES OF ORIGIN

NOTE: Slight variations between the totals given for shipments by States of origin and the totals given for shipments by groups of commodities and by regions of destination occur because totals by groups and by regions were calculated on whole numbers and the results rounded to the nearest thousand, whereas the totals for shipments by States were calculated on individual items that were rounded in the same fashion before the additions were made.

TABLE 21.—Total shipments to all regions

	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Connecticut.....	20,905	28,593	36.8	30,124	5.4	44.1
Delaware.....	5,688	7,789	36.9	6,705	-13.9	17.9
Illinois.....	2,883,466	3,604,936	25.0	3,945,278	9.4	36.8
Indiana.....	1,204,449	1,492,658	23.9	1,663,609	11.5	38.1
Maine.....	39,287	75,053	91.0	72,908	-2.9	85.6
Maryland.....	168,482	171,299	1.7	217,677	27.1	29.2
Massachusetts.....	73,296	103,428	41.1	104,446	1.0	42.5
Michigan.....	1,098,952	1,620,922	47.5	2,117,662	30.6	92.7
New Hampshire.....	12,061	11,457	-5.0	8,896	-22.4	-26.3
New Jersey.....	96,193	132,490	37.7	161,095	21.6	67.5
New York.....	259,602	377,104	45.3	406,186	7.7	56.6
Ohio.....	907,330	1,406,388	55.0	1,821,202	29.5	100.7
Pennsylvania.....	644,556	1,064,752	65.2	1,145,864	7.6	77.8
Rhode Island.....	13,143	13,989	6.4	9,568	-31.6	-27.2
Vermont.....	11,417	16,359	43.3	23,210	41.9	103.3
Wisconsin.....	895,127	1,430,065	59.8	1,607,963	12.4	79.6
<b>Total.....</b>	<b>8,333,954</b>	<b>11,557,282</b>	<b>38.7</b>	<b>13,342,393</b>	<b>15.4</b>	<b>60.1</b>

TABLE 22.—Shipments to Southeast region

	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Connecticut.....	11,840	14,481	22.3	14,100	-2.2	19.6
Delaware.....	4,349	5,236	20.4	4,018	-23.3	-7.6
Illinois.....	465,873	582,197	25.0	647,651	45.6	81.0
Indiana.....	263,294	410,198	38.9	569,546	38.8	94.2
Maine.....	33,437	56,251	68.2	51,901	-7.7	55.2
Maryland.....	130,804	134,451	2.8	180,247	34.1	37.8
Massachusetts.....	47,017	66,797	40.3	63,801	-4.4	34.1
Michigan.....	333,548	485,808	45.0	648,373	33.5	94.4
New Hampshire.....	5,643	6,898	22.2	4,459	-35.4	-21.0
New Jersey.....	53,433	71,135	33.1	90,530	27.3	69.4
New York.....	105,689	159,005	51.3	198,088	23.9	87.4
Ohio.....	315,096	471,630	49.7	698,407	60.5	185.1
Pennsylvania.....	221,231	342,932	55.0	408,666	19.2	84.7
Rhode Island.....	11,197	11,172	-0.2	6,957	-37.7	-37.9
Vermont.....	4,030	4,976	23.5	8,128	63.3	101.7
Wisconsin.....	56,977	81,749	43.5	146,742	79.5	157.5
<b>Total.....</b>	<b>2,094,058</b>	<b>2,905,816</b>	<b>38.8</b>	<b>4,141,740</b>	<b>42.5</b>	<b>97.8</b>

TABLE 23.—Shipments to Southwest region

	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Connecticut.....	1,830	2,639	44.2	5,400	104.6	195.1
Delaware.....	277	931	236.1	856	-8.1	209.0
Illinois.....	966,699	1,066,227	10.3	1,049,594	-1.6	8.6
Indiana.....	184,552	268,371	45.4	323,058	20.4	75.0
Maine.....	981	2,448	149.5	2,376	-3.0	142.1
Maryland.....	31,284	23,540	24.8	22,619	-3.9	-27.8
Massachusetts.....	8,164	11,381	39.4	12,268	7.8	50.3
Michigan.....	450,366	652,680	44.9	858,899	31.6	90.7
New Hampshire.....	1,775	1,917	8.0	2,034	6.1	14.6
New Jersey.....	19,218	27,181	41.4	29,732	9.4	54.7
New York.....	61,235	83,439	36.3	79,637	-8.2	25.2
Ohio.....	321,266	509,452	58.6	487,273	-4.4	51.7
Pennsylvania.....	196,771	376,193	90.6	358,645	-4.4	82.2
Rhode Island.....	735	809	10.1	309	-61.8	-58.0
Vermont.....	1,605	3,039	89.3	2,669	-12.2	66.3
Wisconsin.....	146,111	256,712	75.7	218,544	-14.8	49.6
Total.....	2,392,789	3,285,859	37.8	3,450,912	5.0	44.2

TABLE 24.—Shipments to Northwest region

	Year 1 (July 1, 1932, to June 30, 1933)	Year 2 (July 1, 1933, to June 30, 1934)	Percentage of increase, year 2 over year 1	Year 3 (July 1, 1934, to June 30, 1935)	Percentage of increase, year 3 over year 2	Percentage of increase, year 3 over year 1
	<i>Thousand pounds</i>	<i>Thousand pounds</i>		<i>Thousand pounds</i>		
Connecticut.....	7,235	11,473	58.6	10,558	-8.0	45.9
Delaware.....	1,062	1,622	52.7	1,831	12.9	72.4
Illinois.....	1,450,994	1,959,512	34.8	2,048,033	4.7	41.1
Indiana.....	726,603	814,089	12.0	771,005	-5.3	6.1
Maine.....	4,869	16,354	235.9	18,632	13.9	282.7
Maryland.....	6,394	13,308	108.1	14,811	11.3	131.6
Massachusetts.....	17,515	25,250	44.2	28,317	12.1	61.7
Michigan.....	315,038	482,534	53.2	610,390	26.5	93.8
New Hampshire.....	4,643	2,642	-43.1	2,403	-9.0	-48.2
New Jersey.....	23,542	34,174	45.2	40,833	19.5	73.4
New York.....	92,678	133,760	44.3	131,401	-1.7	41.8
Ohio.....	270,948	425,306	57.0	435,622	2.4	60.7
Pennsylvania.....	226,554	346,627	53.0	378,553	9.2	67.1
Rhode Island.....	1,211	2,008	66.8	2,302	14.6	90.1
Vermont.....	5,782	8,344	44.3	12,413	48.8	114.7
Wisconsin.....	692,039	1,091,604	57.7	1,242,677	13.8	79.6
Total.....	3,847,107	5,305,607	39.5	5,740,741	7.2	49.5