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Adjusting agricultural production and distribution in the Wheeling area to meet home market demands

W. W. Armentrout

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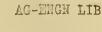
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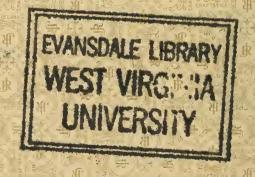




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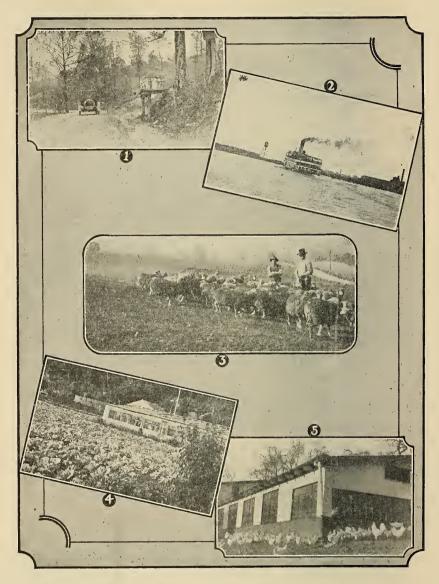
Adjusting Agricultural Production and Distribution in the Wheeling Area to Meet Home Market Demands

by W. W. ARMENTROUT



Extent of the Wheeling Area

AGRICULTURAL EXPERIMENT STATION
COLLEGE OF AGRICULTURE, WEST VIRGINIA UNIVERSITY
F. D. FROMME, Director
MORGANTOWN



- 1. Waiting for the milk truck. Good roads made this possible.
- 2. Freight boats, plying the Ohio River, serve Wheeling.
- 3. Fine-wool sheep abound in this section.
- A greenhouse adds value to small truck farms producing vegetables for the Wheeling market.
- 5. There are several commercial poultry flocks in the Wheeling area.

Adjusting Agricultural Production and Distribution to Meet Home Market Demands in the Wheeling Area*

by W. W. ARMENTROUT

THIS report is the fourth of a series of studies of consumption of farm products in the larger cities of West Virginia and of production in the agricultural sections surrounding them.

It is the report of a study of receipts of food commodities in Wheeling for a twelve-months' period beginning June 1, 1925, and ending May 31, 1926. Because of the geographical location of Wheeling, with very little of its agricultural section lying within the borders of West Virginia, no detailed study was made of nearby farm production. While Ohio County, in which Wheeling is situated, contributes considerably to the food supply of the city, it is apparent to any one familiar with the section that a large part of the locally produced commodities which reach the market come from the neighboring states of Ohio and Pennsylvania.²

The study was limited to obtaining (1) a record of the quantity of certain food commodities which passed through the Wheeling market, exclusive of locally produced goods transported over highways;

(2) the section of the country from which the commodities came; and

(3) the transportation charges.

*Submitted for publication August, 1927.

Studies of the Charleston, Clarksburg, and Beckley areas are reported in W. Va. Agr. Exp. Sta. Bulletins 188, 212, and 226, respectively.

^{*}No satisfactory plans were formulated with Ohio and Pennsylvania for a cooperative study. It seemed probable that data on local production such as could be obtained in the limited Wheeling area confined to West Virginia might prove misleading.

The quantity of various commodities coming on the market indicated a demand which was not satisfied by local production. A record of the section of country from which the commodities came will enable local producers to locate their competitors and provide a basis for studying their production costs. The transportation charges show the advantage which nearness to market affords local producers over their competitors.

This study is limited in character. While a knowledge of market demand in terms of quantity is one important guide to production, the producer should also know the market demand in terms of variety and quality of product, as well as his own cost of production in comparison with that of his competitors. There is, therefore, need that this study be continued to cover the market demands in terms of variety, quality, grade and pack, and production costs.

PURPOSE OF THE STUDY

The purpose of this and similar studies has been stated in Bulletins 188 and 212. Shifts in population and changes in production in competing sections are among the factors which make adjustments in farm production desirable from time to time if the greatest returns are to be obtained. While industry faces the need for continual changes, the size of the unit makes changes easier than in agriculture. The chief aim of the present report is to present information not readily obtainable by the individual farmer which may help farmers in West Virginia to adjust their production to meet changing conditions.

SOURCES OF DATA

The data on freight receipts were taken from the station records of the Wheeling stations of the Baltimore and Ohio Railroad, the Pennsylvania Railroad, and the Wheeling and Lake Erie Railway. Records of express receipts were obtained from the division accounting offices of the American Railway Express Company, located in Pittsburgh. Records of receipts by boat were obtained from freight records on the "Senator Cordill" and the "Helen E" freighters.²

The method used in this study and the source of the data make it possible to present accurately the section of country from which commodities came, the quantity of receipts, and the carrying charges.

³A complete record of receipts for all boats serving the Wheeling market was not available,

AGRICULTURE OF THE WHEELING AREA

Wheeling with its suburbs covers a large part of Ohio County. In recent years there has been extensive suburban development; people of means have built homes, some of them estates, out in the open country. This movement has resulted in increased land values. Consequently, under the present system of farming, values placed on the land are out of all proportion to its earning capacity as farm land. Some land has changed hands at these high prices, while much of the remaining farm land has assumed suburban values and is held and taxed accordingly. Under such conditions it is discouraging to attempt to show adequate earning powers for the land when used for agricultural purposes.



Most of the farm land in Ohio County is rolling or hilly.

There is a considerable acreage of fertile land in Ohio County well adapted for agricultural purposes. If the owner has not paid suburban prices for it and is willing to discount its paper value to the level of agricultural land value, he should be able to realize at least average returns from it.

The greater part of the land in Ohio County is hilly to rolling, but much of it has a good deep soil. Three or four sections of creek bottom in the county are well adapted to truck farming. Good farming sections are also found to the north in Brooke County and to the south in Marshall and Wetzel Counties, West Virginia. Across the Ohio River in Ohio lies a splendid farming section with a network of hard-surfaced highways which make the Wheeling market readily accessible.

Dairy farming ranks first in importance in Ohio County. In recent years it has shown rapid development in neighboring West Virginia counties as well as across the Ohio River. There is considerable truck farming in the region but indications are that such farming has lost rather than gained in favor, probably because much of the good truck land near Wheeling has been taken over for factory sites and for summer camps.

There are several specialized poultry farms, and the farm flock is an important source of income to a majority of the farmers. There are a number of commercial orchards in Brooke County and also across the river in Ohio. Sheep grazing holds considerable importance in the area, but it contributes little to the food supply, since the fine-wool breeds predominate.

RAILWAYS, HIGHWAYS, AND POPULATION

Wheeling is served by three railroads—the Baltimore and Ohio Railroad, the Pennsylvania Railroad, and the Wheeling and Lake Erie Railway. Boats ply the Ohio and Kanawha Rivers from Pittsburgh to Charleston, West Virginia, and the Ohio River to Cincinnati, and two or three small freight boats make shorter runs down the Ohio River from Wheeling.

The city is served by a highway system which reaches far out into the agricultural sections and makes it possible for producers, though miles away, easily to market their products by truck.

The population of Wheeling is about 56,000. Its wholesale groceries serve a population of approximately 360,000.4

RECEIPTS OF FOOD COMMODITIES IN WHEELING

The commodities included in this study are potatoes, cabbage, onions, lettuce, tomatoes, beans, corn, melons, miscellaneous vegetables, apples, peaches, grapes, poultry, eggs, milk (condensed). butter, cheese, hay, grain and mill feeds, cattle, and hogs.

Each of these commodities was being produced in some quantity in the agricultural area surrounding Wheeling, the area being more or less suited to such production in so far as physical adaptations are concerned.

These data do not show the full market demands, since the locally produced commodities which reached the market were not considered.

^{*}Atlas of Wholesale Grocery Territories, U. S. Department of Commerce, 1927.

On the other hand, not all the commodities shown as received in Wheeling were consumed there, but were consumed within Wheeling's trade area. This circumstance, however, does not affect the significance of these data as a measure of the market demand.

Potatoes

Table 1 shows the receipts of potatoes in Wheeling by freight and by boat for the twelve-months' period beginning June 1, 1925, and ending May 31, 1926.

The receipts totalled 18,962,991 pounds or 316,046 bushels. Of this quantity 266,688 pounds, or 4,445 bushels came from points in West Virginia. This is about 1.4 percent of the total.

West Virginia supplied 8 percent of the potatoes received in Clarksburg during the preceding twelve-months' period.⁵ There was no noticeable shortage in yield of potatoes during the later period.

During the four-months' period, August, September, October and November, over which most of the West Virginia potatoes are marketed, Wheeling received 7,135,861 pounds, 3.7 percent of which was shipped from points in West Virginia. During this same period of the previous year West Virginia supplied approximately 20 percent of the potatoes received in Clarksburg.⁶

Carrying charges on potatoes amounted to \$94,615.45, or an average of 50c per cwt. The average carrying charges on potatoes received from West Virginia were 28c per cwt. This gives West Virginia producers a margin of 22c in transportation costs over their competitors, or practically the same advantage found for West Virginia producers on the Clarksburg market.⁷

No new data on cost of production or prices of potatoes have been collected by this Station since the publication of the Clarksburg study. The data on cost of production and prices as presented in West Virginia Agricultural Experiment Station Bulletin 212, pages 17-26, are applicable to the Wheeling area.

West Virginia producers have scarcely touched the potato market of Wheeling. From previous studies as well as several known cases of profitable potato production, there appears to be ample justification for promoting potato production in sections of the state where physical conditions are adapted to their culture.

 ⁵W. Va. Agr. Exp. Sta. Bul. 212, p. 11.
 ⁶W. Va. Agr. Exp. Sta. Bul. 212, p. 15.
 ⁷W. Va. Agr. Exp. Sta. Bul. 212, p. 17.

TABLE 1.—Receipts of Potatoes in Wheeling by Freight and Boat: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

1340, to may, 1340, men	A VICE											
		===					118	1925				
Method of Transportation,	ĭ	Total	J.	June	u.C	July	Angust	net	Septe	September	Oct	October
by Freight	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying Charges	Pounds	Charges
Total	18962991	\$94615.45	2442276	\$11725.58	1723408	\$7306.81	1696484	\$7704.40	1371310	\$6605.36	2727680	12310.40
FREIGHT:	2934045	12184.23	1056940	4437.79	1526380	6260.82	259555	1051.20	62040	294.78	30030	139.64
Massachusetts	165000		132000	1062.95	33000	219.45	94500	504.00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Maine	665795		31550	556.26	107250	619.17	1 0		137410	831.31	120635	718.82
Michigan	36,000	8935.93	30000	211.50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		30000	102.00	000061	920.90	000486	- 1
Alabama	174440		24400	175.68	1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
South Carolina	594945		594945	3363.49	1 1	1	1	1	194950	416 69	207840	596.92
West Virginia	875620	2588.68	00629	127.50			64700	192.64	120150	384.46	18896	42.36
Minnesota	6407390	36906.44	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	30000	141.00	932400	4667.05	744100	3972.74	1056840	6059.69
Pittsburgh*	562221	1433.03	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2718	10.74	00006	178 90	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	30000	186.00
Chicago*	188000	199 240	1 1			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	61004	223.24		1 1		
Maryland	183991					1	180165	607.27	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		466	1.71
Mississippi	30000	153.00	1 1 1 1	1	• !	!	00008	153.00	30000	172.50	1 1	
lowa	239100		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	f ' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1	f f			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		73050	
Pennsylvania	225100	658.22	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	!	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:	1	905855	530.29
Ohio	307372	752.24		1 1					! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1	72000	456.80
Wisconsin	1625920	7954.58	1 1	1			1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	30000	133.50
Idaho	30280	100.97	1	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1	
Texas	128474	1949.32	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Florida BOAT	42180	87.71		1 1 1 1 1 1 1 1 1 1 1	24060	52.62	14160	25.20	3360	6.38		

Wholesale market.

216720 608.64 150940 1 540000 3337.00 543000 3465.45 1142000 6864.00 176800 1317.72 630250 3 36000 241.40 36000 91.40 18800 28.47 53040 3 73050 325.93 36180 112.16 36000 282.60 81090 109560 760.48 78000 552.90 76000 514.00 356.00 13.10 220780 1073.54 223590 1126.67 616000 72000 72000 13.60	Pounds Charges 1340387 \$5373.07	Pounds 1061282 1051282 123000 273000 1230000 1230000 1230000 1230000 1230000 1230000 1230000 1230000 1230000 1	mher Churges \$5401.21	Jonuary Pounds Chur [313110 \$67	Coursing (Churges \$6744.04	Pounds Carr 1077070 \$600 90660 46	Carrying Charges \$6090.39 493.81	March Pounds Ch 1926095 \$10	Currying Charges \$10928.21	April Ch Ch Ch Ch Ch Ch Ch Ch	Charying (Charying \$5522.75	М. Роспия 1454195	Carrying Charges \$ \$8298.23
540000 3337.00 543000 3465.45 1142000 6864.00 176800 1317.72 630250 3349 33640 28.47 53049 33690 28.47 53049 33690 28.47 53049 33690 38.90 28.26 81090 31090 31090 31090 31090 31090 31090 325.00 31090 325.00 31090 325.00 31090 325.00 31090 325.00 31090 325.00 325.	72860	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	259.05	216720	608.64							150040	1030.29
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	72350	2 3	193.00	36000	241.40	543000	3465.45	1142000 16095 36000	6864.00 41.31 91.40	176800	28.47	630250 53040	3376.89
220780 1073.54 223590 1126.67 616000 3081.00 72000 356.40 239500 1	72180 122 180480	1 1000	223.76 .30	73050	325.93	36180 25000 78000	112.16 63.75 552.90	0009.	514.00	36960	282.60 13.10 1682.00	81000	298.55
1223.26 50500	30280	1, 1, 1	549.40	220780	1073.54	009	1126.67	616000	3081.00	77974	356.40	239500 50500 146365	1007.33 726.06 1191.57

*Wholesale market.

TABLE 2.—Receipts of Onions in 1926, Inclusive	s in Whe	eling by l	Freight: C	rigin of	Wheeling by Freight: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May,	, Quantity	', and Car	rying Cha	rges by N	fonths, Ju	ne, 1925,	to May,
							1925					
Origin of Shinment	Lotal	===	· Pu	June	uf.	July	August	nst	September	nber	October	ber
	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges		Pounds Charges	Pounds	Pounds Charges	Pounds	Carrying Charges
Total	2166811	66811 \$10125.01	141368	\$1382.98		184180 \$ 617.35	206425	\$ 645.01	260150	260150 \$ 734.17	210487	\$ 658.50
Pittsburgh*	484187 280585	1242.15	46950 2690	119.59	99575 11505	253.98 49.07	57600 74760	301.10	68600	174.93 235.35	30181	77.00
Ohio	86488	932.78	61488	841.53		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	25000	91.25		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		00:1
California Illinois Indiana	73160 419300		1	20.00X	73100	314.30			51600	156.84	154600	506.97

O Texas		214700 2833.	73		214700 2833.73	7	1 1 1		1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
	19	1925				1926					
Outoin Of	November	December	Jan	January	February	March	reh	April	ril	May	ıy
Shipment	Carrying	Carrying	- Su	Carrying	Carrying	i	Carrying	Demode	Carrying		Of comments

OFIGURE OF			_					-						
Shipmeat	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Carrying Charges Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Pounds Charges	Pounds Charges	Charges
	1001	10010	19.049	190 01	100050	07 77 0	910560	76 898 97	132850	\$ 393.33	62316	63316 \$ 833,53		183624 \$2461.92
Total	125190	\$1.524.84	+5043	\$ 170.91	TOOM		1	4					- 11	
Doh *	11	87.91	18578	18.70	55,193	142.79	58510	157.87	11950	28.10	2000	5.10	1	
N V				80.21	25065	80.21	22500	81.60	25000	08.75		1		
Ohio	172400		1		1 1 1	1 1 1 1 1 1	104550	282.00	24900	68.48	1	1	1	1
Mass.	ij		1	1 1 1 1	!				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	30940	456.69
Cal.	1 1 1 1 1	1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1			1		01770	20.001
II		1	1	1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1	1 1 1 1 1 1		1 1 1 1 1 1	1	1	
Ind.	ı		1	1 1	25000	92.50	1	1	48000	145.20	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1	
Mich	53900	185.26	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	24000	82.80	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		1111111
Wis					1		25000	107.50	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Tow	1						1	1 1	1 1 1	!	61316	828.43	153384	2005.30

Tex. ____ *Wholesale market.

Onions

Table 2 shows the receipts of onions on the Wheeling market, amounting to 2,166,811 pounds, with carrying charges of \$10,125.01. West Virginia did not supply any of this quantity. Ohio supplied more onions than any other state. Indiana ranked second.

Cabbage

Table 3 shows the receipts of 2,876,676 pounds of cabbage, with carrying charges amounting to \$16,903.00. New York ranks first in quantity of shipments. Ohio supplied a small quantity (77,000 pounds), while no shipments came from West Virginia. Shipments of cabbage were received every month of the year,—abundant evidence of opportunity to increase local production at any period when climatic conditions permit.

Tomatoes

Table 4 shows the receipts of tomatoes on the Wheeling market. A total of 864,333 pounds, with carrying charges amounting to \$7,322.74, were received. Texas contributed more than any other state, while only a few came from West Virginia and Ohio. At the time home grown tomatoes were in season, however, very few were received from producing areas other than Ohio and West Virginia. Some tomatoes were received from the wholesale markets of Pittsburgh during each month of the year. Most of the tomatoes shown as express receipts came from Pittsburgh and points in Ohio. The boat shipments for the most part came from the Marietta, Ohio, section, with very few from the West Virginia side.

The Wheeling market presents conditions parallel with those of the Clarksburg and Charleston markets in the matter of tomato supply. Local production practically takes care of demand during the local producing season. Any material increase should occur in "outof-season" production, but sufficient data are not at hand to judge the profitableness of such an undertaking.

Lettuce

In Table 5 the receipts of lettuce on the Wheeling market are presented. The receipts by express and freight amounted to 1,122,098 pounds, with carrying charges of \$12,210.37. Some lettuce was received during each month of the year. Express shipments came princi-

May,	May, 1926, Inclusive	Insive												
			To	Total						1925				
Origin	Origin of Shipment	nent			J.	June	- J	July	Au	August	Septe	September	Oet	October
			Pounds	Carrying	Рочидя	Carrying	Pounds	Carrying	Pounds	Carrying Charges	Pounds	Carrying	Pounds	Carrying
Total			2876676	\$16903.00	173325	\$1061.63	25850	\$ 122.55	24700	\$ 117.32	169525	\$ 701.44	601560	\$ 1850.53
Pittsburgh	*		1039626	4525.91	_		25850	122.55	24700	117.32	92585	439.85	220425	737.76
New York			1050795		-	1					49620	136.46	301575	829.33
Michigan			25700		24000	50.40					27320	125.13	25000	85.40
Texas Alabama			352425	5560.54		1	-			1	1			į
South Carolina	olina		101320	_										1 1
Kentucky Mississippi Wisconsin	i		21735 107310 27860	246.05 1335.24 108.03	22000	346.84				1 1			27860	108.08
		1925								1926				
Origin of		November	Decei	December	January	lary	February	uary	Ma	March	Ap	April	3A	May
onipment on		Pounds Charges	Pounds	Charges	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying
rotal	238190	\$ 741.86	285930	\$ 883.87	234902	\$1035.43	136458	\$ 558.93	267251	\$ 2723.86	279740	\$3622.53	338745	\$3483.05
Pgh.*	25500	121.12	56500	268.37	153872	628.25	80009	284.99	114736	544.82	56500	268.37	103225	490.32
N. Y.	212690	620.74	229430	615.50	181030	407.18	76450	273.94		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1 1	
Mich.] [] [] [] [] [] [] [] [] [] [1	1		1				1
Tex.		-						!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	152515	2179.04	149640	2528.06	50270	853.44
S. Car.											73600	826.10	50485	307.56
Ky.	1			1			:		!				21735	246.05
Wis							1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!		1 1 1 1 1 1 1 1 1		1 1 1 1 1 1	85310	988.40

TABLE 4.—Receipts of Tomatoes in Wheeling by Freight, Boat, and Express: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Months, Julie, 1323, to May, 1320, inclusive	MINA) 10	EU, Illeius.	DAI									3
		Total.					1925	13				
Method of Transportation, and Origin of Shipment			-	June		July	Au.	Vugusi	Septe	September	Oct	Detober
by Preight		Pounds Charges	Pounds	Pounds Charges	Pounds	Pounds Charges	Pounds	Pounds Charges	Pounds	Pounds Charges	Pounds	orrying franges
rotal	864333	\$7322.74	465234	465234 \$5447.93	211211	211211 \$ 952.94	65362	653c2 \$ 361.37	2856	2856 \$ 12.17	5130	\$ 27.15
FREIGHT:												
Pittsburgh*	- 2449S5	1084.61	81170	329.27	29915	189.52	4500	21.37	1 1 1 1 1 1	1 1 1	4860	28.97
Mississippi	105540	1006.61	83000	782.34	22540	224.27	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1	!	3 1 2 1 1	1 1 1
Texas	1.08090.1	4172.02	280904	4172.02	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1		1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Tennessee	41160	335.45	20130	164.30	21000	171.15		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1) 1 1 3 4
Indiana		212.00	1	1	42000	212.00	1 1 1 1	1 1 1 1 1	1	1 1 1 1	1	1 1 1 1
BOAT	71580	197.10	1 1		40140	66.70	28920	52.90	2520	7.50	1	

	,		11
1111111	1 1 1 1 1 1	3.88	
111111	1	270	
1 1 1 1 1 1	7.50	4.67	
	2520	336	
	52.90	287.10	
	28920	31942	
	02.99	45616 89.30 3	
	40140	45616	
	1	1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
	1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
2011	127.10	384.95	
000	71580	78164	
The state of the s	BOAT	EXPRESS	
			11

1926

1925

	Carry ing Charges	\$110.00		110.00	1 1 1 1 1	1 1 1 1 1	1 1 1	1 4 4 1 1	
May	Pounds Cl	24000 \$		24000	1	1		1 1 1 1 1	_
ı	Carrying Charges 1	\$ 125.00		125.00 }			1		_
April	Pounds	30300		30300			-	1 1 1 1	_
March	Charges	\$ 115.90		115.90	1	1	1	1 1 1	
Ma	Pounds Charges	24390		24390	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	,	1 1 1	
Pehrunry	Pounds Charges	\$ 47.97		47.97	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Feb	Pounds	10100		10100	1		1		
January	Pounds Charges	\$ 19.95		19.95			1	1 1 1 1 1 1	
Jan	Pounds	4175		4175	1	1 1 1 1 1 1 1	1 1 1	,	
December	Carrying Pounds Charges	\$ 36.56		36.56	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
Dece		7725		7725	1		1 1 1 1 1 1	******	
November	Pounds Charges	65.80		65.80	1 1 1	1 1 1 1 1 1	1 1 1 1 1 1	1 1 1 1	
	Pounds	13850		13850	1	1 1 1 1 1 1 1	-		
 Method of Trans-	portation	Total	FRT.:	Pgh.*	Miss.	Tex	Tenn.	Ind.	E 1 Oct

[•] Wholesale market.

TABLE 5.--Receipts of Lettuce in Wheeling by Freight and Express: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

			71.	Total					1925					
Method o	Method of Transportation, and Origin of Shipment	rtation, ipment			. J.	June	J	July	Au	August	Septe	September	Oct	October
E	by Freight		Pounds	Carrying Charges	Pounds	Carrying	Pounds	Carrying Charges	Pounds	Carrying Charges	Ponnds	Carry ing Charges	Pounds	Carrying Charges
Total		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1122098	\$12210.37	24260	\$ 115.17	20100	\$ 95.47	32955	\$ 156.27	39595	\$ 188.57	51415	\$ 244.15
FREIGHT Pittsburgh*	T:		446640	2121.53	24260	115.17	20100	95.47	32955	156.27	39595	188.57	51415	244.15
Ohio		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	92974	297.68	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1							
EXPRESS	S		146484	1532.37	† † 	[1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1 1
		15	1925						1926					
Method of Trans-	Nove	November	Dece	December	Jan	January	Pehrumy	unry	Ma	March	ΔV	April	H	May
portation	Pounds	Carrying Charges	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying	Pounds	Carrying Charges	Pounds	Carrying	Pounds	Carrying Charges
Total	120540	\$1549.60	73005	\$ 608.69	131898	\$1718.03	128166	\$1684.02	258361	\$2768.35	139110	\$1663.20	102693	\$1418.85
FRT: Pgh.* Cal	44600	212.32	52125 20880	247.47	27300	129.67	40010	190.00	371,40 89920	176.22	37140 24320	176.22 491.19	40000	190.00
Ohio	9300	72.70		† † † † † † † † † † † † † † † † † † †	24278	149.00	7196	41.98	52200	34.00	24320	456.74	24320	522.74
EXP.	1 1	1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					79101	854.20	53330	539.05	14053	139.12
*Whole	*Wholesale market.	ket.												-

pally from Ohio. Freight shipments came from Ohio, California, and Arizona, with many small shipments from Pittsburgh which in all probability were California and Arizona lettuce. The average carrying charge for the total receipts was \$1.09 per cwt., while the average carrying charge for the California shipments was \$1.88 per cwt. This high carrying charge gives local producers a considerable margin over their competitors in California and Arizona. Some leaf lettuce is grown locally, but no great success in growing head lettuce has been experienced. Consumers seem to prefer head lettuce to the leaf lettuce varieties, and for this reason local producers may not be able to meet competition from California and Arizona.

Miscellaneous Vegetables

Table 6 shows the receipts of miscellaneous vegetables on the Wheeling market. Included are such vegetables as peppers, cucumbers, celery, green beans, and green corn. The larger part of these shipments came from the wholesale markets of Pittsburgh and Columbus.

Poultry and Eggs

Table 7 shows the express receipts of poultry on the Wheeling market. Some poultry was brought to Wheeling by boat, but the records were not sufficient to permit of even a reliable estimate. No shipments came by freight. The 225,331 pounds of poultry came from points in Ohio and West Virginia, no shipments being noted from other states.

Table 8 shows that 20,866 cases of eggs were received on the Wheeling market by freight, boat, and express. The shipments by boat and express came from points in Ohio and West Virginia. The record would indicate that local demands are reasonably well met by local production, yet with some opportunity for expansion of the industry.

Dairy Products

Dairy farming in the Wheeling area in the past two years has met with reverses, and much dissatisfaction and controversy has developed on the part of the dairy farmers. A few years ago there was considerable expansion in the production of market milk in Ohio County. There is nothing to indicate that this was not a healthy expansion, prompted by the demand for fluid milk. Within the last few

TABLE 6 .- Receipts of Miscellancous Vegetables in Wheeling by Freight and Express: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

		Total		Origin o	f Shipmen	Origin of Shipment by Freight	ght		Ex	Express
Month			Pitts	Pittsburgh*	Casti	Casitornia	Virg	Virginia		
	Pounds	Carrying	Pounds	arrying	Pounds	Carrying	Pound	arrying	Pounds	Chrrying
Total	2694139	14831.84	2110903	p8443.44	22160	\$ 468.37	45140	3 340.00	515936	\$5580.03
1925										
June	337869	\$1753.85	280135	1120.80	1	-=		,	57794	899 05
July	259033	1506.43	186600	746.40				1	79433	760.03
August	76371	599.73	41365	165.44				1	35006	49.4.90
September	113099	654.41	89075	356.40				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24024	998 01
October	169839	1315.60	111985	447.60			1		10070	20.562
November	187689	873.56	104450	418.00			1	1	83937	455.56
December	290127	2120.15	159060	636.00	22160	468.37	45140	340.00	63767	675.81
January	202299	1154.32	166800	667.20					25499	487 19
February	206448	876.25	189503	758.00			1 1	1 1	16945	171.75
March	207575	929.75	200930	803.60	1	1 1 1 1 1	1 1	1	6645	72.65
April	338515	1550.50	310000	1240.00	1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	28515	310.50
A M	305275	1497.26	271000	1084 00	:		1	1	34975	413.26



Dairy farming holds the place of first importance in the Wheeling area.

TABLE 7.—Receipts of Poultry in Wheeling by Express: Quantity and Carrying Charges, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	225331	\$2581.56
1925		
June	13862	185.28
July	13996	161.00
August	11343	131.22
September	12938	145.41
October	21852	211.24
November	26307	244.34
December	23511	218.40
1926		
January	11353	108.81
February	15748	152.00
March	26936	377.61
April	27735	373.91
May	19750	272.34

years, however, there has been a surplus of fluid milk on the market. This has come about because of an extension of the highway system which has made it possible for many farmers to bring milk to Wheeling from points in Ohio and West Virginia as much as fifty miles away. The fluid-milk producing area has been widely extended. Land values are not nearly so high outside of the suburban area of Wheeling and across the Ohio River on the Ohio side. Dairy farmers in Ohio County are finding it almost impossible to compete with those on cheaper land. The surplus milk must go into manufactured products, or find a market elsewhere. It is questionable if Ohio County dairymen can compete with cheap land areas in producing milk for manufactured products.

Cost of Producing Milk

Data were collected from ten dairy farmers in Ohio County in May, 1926, showing their estimated cost of producing dairy products. The survey method was used in collecting the data. All the costs of producing milk were included, such as costs of feed, labor, depreciation on cows and buildings, taxes, equipment, repairs, and service fees. The value of manure, calves produced, and service fees was deducted from these costs.

The herds numbered from twelve to twenty-two cows and the dairymen were considerably better than the average dairymen of the county.

Costs of milk production ranged from 20.1c to 42.5c per gallon, with an average of 29.8c for the ten producers. At this time these

TABLE 8.—Receipts of Eggs in Wheeling by Freight, Express, and Boat: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

		Orig	in of Ship	oment by	Freight	
Month	Te	otal _	Chic	ago*	Io	wa
	Cases	Carrying Charges	Cases	Carrying Charges	Cases	Carrying Charges
Total	20866	\$7546.80	6021	\$2089.85	2000	\$ 725.02
1925						
June	2171	712.51	254	113.30		
July	1162	499.87	655	267.58		
August	1807	751.87	1205	479.08		
September	844	312.36			400	125.08
October	2186	715.62	1232	372.17	400	122.96
November	3355	1106.90	1645	434.43	800	365.68
December	1242	552.44	565	216.71		
1926		ļ				
January	1814	676.53	215	94.58	400	111.30
February	1993	351.39	250	112.00		
March	2276	914.17				
April	1170	506.75				
May	841	446.39				

	Origin o	of Shipmer	nt hy Fro	eight	Exp	ress	Ве	at
Month	01	nio	Miscell	laneous				
	Cases	Carrying Charges	Cases	Carrying Charges	Cases	Carrying Charges	Cases	Carrying Charges
Total	3130	\$ 728.26	105	\$ 25.82	9346	\$3907.15	264	\$ 70.70
1925								
June	1390	335.89	9	2.43	518	260.89		
July	85	21.63			422	210.66		
August	58	14.75	-		534	255.84	10	2.20
September	86.	23.15			349	162.15	9	1.98
October	210	56.55			333	161.24	11	2.70
November	475	82.72			426	219.57	9	4.50
December	40	11.45			624	317.78	13	6.50
1926								1
January	400	75.47	25	8.00	774	387.18		
February -			50	10.94	1692	227.13	3	1.32
March	234	63.25			1862	805.92	180	45.00
April	152	43.40	12	3 16	980	453.69	26	6.50
May	5		9	1.29	832	445.1.0		

^{*}Wholesale market.

producers were selling whole milk at from 25c to 60c per gallon. Other producers were selling whole milk at as low as 20c per gallon wholesale. None of the ten producers interviewed was losing money on his milk; some were making but small margins of profit; others were making fairly satisfactory profits. With the volume of business involved, the margin of profit on milk was not sufficient for the most economical producers to make more than fairly good wages.

Table 9 shows the receipts of condensed milk on the Wheeling market.

Table 10 shows the receipts of cheese on the Wheeling market.

Table 11 shows the receipts of oleomargarine on the Wheeling market.

TABLE 9.—Receipts of Condensed Milk in Wheeling by Freight: Quantity and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	1759227	\$5945.71
1925		
June	189522	751.38
July	443668	1367.83
August	70196	165.27
September		332.24
October	98773	377.22
November	86456	337.61
December	123226	345.31
January	210280	662.20
February	105710	597.74
March	81479	280.31
April	91346	382.69
May	79910	345.91

TABLE 10.—Receipts of Cheese in Wheeling by Freight and Express: Quantity and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	1903649	\$15912.60
1925		
June	148112	1341.38
July	203810	1985.00
August	213266	1035.47
September	146205	1442.81
October	239171	2070.67
November	127057	1116.08
December	147119	1351.48
1926		
January	131510	1189.30
February	172734	1191.50
March	170868	1516.55
April	102842	946.27
May	100055	726.09

TABLE 11.—Receipts of Oleomargarine in Wheeling by Freight and Express:

Quantity and Carrying Charges by Months, June, 1925, to May, 1926,
Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	976508	\$7537.03
1925		
June	55775	507.15
July	73650	572.42
August	102473	829.70
September	76614	657.85
October	77262	527.80
November	92161	532.11
December	86226	571.13
1926		
January	103688	845.15
February	88398	625.29
March	57357	502.81
April	82263	694.39
May	77641	630,23

Fruits

Peaches

Table 12 shows the receipts of peaches on the Wheeling market.

Apples

Table 13 shows the receipts of approximately 125,000 bushels of apples on the Wheeling market. New York ranks first in terms of quantity shipped, with Ohio second and West Virginia third. The average carrying charges were 37c per cwt. for New York apples, 22c per cwt. for Ohio, and 19c per cwt. for West Virginia, while for Washington apples charges averaged \$1.66 per cwt.



Packing apples for the local market.

TABLE 12.—Receipts of Peaches in Wheeling by Freight: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive*

	To	tal	1925				
Origin of Shipment		, tui	Ju	ine	Ji	niy	
	Pounds	Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	
Total	2181587	328080.54	180000	\$2624.36	700090	310332.40	
Georgia	920006	13595.56	180000	2624.36	700000	10332.40	
North Carolina	80000	1152.50					
Delaware	27800	485.29					
California	104109 181839	2545.08 1717.91					
New Jersey							
Arkansas	20571	350.61				~~~~	
Tennessee	180000						
New York	354992	0					
Ohio	312276	2974.40					

			1925			
Origin of Shipment	Au;	gust	Septe	mber	Oct	ober
	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges
Total	529619	\$7443.03	652009	\$6471.34	119959	\$1209.41
Georgia	40000	638.80				
North Carolina	80000	1152.50				
Delaware California	27800 78073	485.29 1787.07	26036	758.01		
New Jersey	103175	1065.81	78664	652.10		
Arkansas	20571	350.61				
Tennessee	180000	1962.95				
New York			333508	3080.98	21334	215.26
Ohio			213701	1980.25	98575	994.15

^{*}No receipts in months of November, 1925, to May, 1926.

Grapes

Table 14 shows the receipts of 3,747,822 pounds of grapes, with carrying charges amounting to \$69,294.44. The larger part of these shipments came from California.

Reports from local farmers indicate that grapes do quite well in this area, and if the preference for the California varieties is not too strong, there seems to be an opportunity for profitable grape culture in this section. California grapes compete with locally-grown and New York grapes during September and October.

Melons

From Table 15 it may be noted that local melon production does not meet the demand even in the height of the local season. In Sep-

TABLE 13.—Receipts of Apples in Wheeling by Freight, Boat, and Express: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

	Ē	Potal					1	1925				
Method of Transportation, and Origin of Shipment	•		ď	June	Ju	July	August	ust	Septe	September	Oct	October
by Freight	Ponnds	Carrying Charges	Pounds	Carrying	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges
Total	7462639	35012.12	135835	\$ 542.80	147699	\$ 879.00	169172	\$ 754.32	496870	\$1868.08	1322024	\$8962.69
FREIGHT:												
Oregon	181422	1202.49	111	1 0	1 0	10	1010	1000	10	100 070	12	100
*daintspink	1146424	3905.10	135835	542.80	58800	115.40	88200	\$201.30	007.68	342.80	103765	412.80
Delaware	317440	1470.60	1 1 1	1	72000	471.90	24000	152.20	24000	97.20	51840	176.26
Illinois	74150	489.40	!	1 1 1	28500	175.40	45650	314.00	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1 1	1 1 1	1
New York	3096187	9512.39	1	1 . 1	1 1	1	1	1 1 1 1	297870	998.40	494141	1585.39
Ohio	873385	1931.37	1 1 1	1 1 1	1	1 1 1	1	1 1	26400	166.72	104045	285.26
Warvland	176960	604.03	1	1 1 1	1 1 1	1	1 1 1	1 1 1	57120	209.23	24000	97.20
Washington	413513	6873.41	1	!	1 1 1	!	1 1 1	1	1	1 1	187110	3210.03
Michigan	78000	325.90	1 1 1	1 1 1 1	1 1 1	1 1 1		1 1 1	1	1 1 1	30000	130.30
West Virginia	517819	974.61	1 1 1	; 	1 1 1 1 1	!	1	1 1 1	1 1	!	103520	172.52
Virginia	32160	130.25	1 1 1	1 1 1 1	1 1 1	!	1 1	1 1 1	1 1 1	!	32160	130.25
Idaho	456223	7024.00	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!			1	!	!	1 1 1	1 1 1	181843	2732.68
Missouri	30315	222.82	1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1 1	-	1 1 1	!	1 1 1 1	-	1 1 1 1	1
EXPRESS	23781	216.05	1 1 1 1	1	10199	89.30	9222	79.42	4360	47.33	1 1 1 1	
BOAT	44860	129.70	1 1 1	1 1 1 1	8100	27.00	2100	7.40	1920	6.40	10200	30.00

		H	1925						1926	9				
Method of Trans-	Nove	November	Dece	December	Jaa	January	i'ehr	Pehrumy	Ma	March	ΔV	April	May	13
portation	Pounds	Pounds Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Ponnds	Сагеуінд Силіщев
Total	1175518	\$4791.4S	566721	\$2681.73	485477	\$2618.55	1008851	\$5208.21	846475	\$2905.78	610615	\$2220.39	497382	\$1779.09
FREIGHT	<u></u>						144000	567.60			1	1 1 3 1 9	1 1 1 1 1	†
Oregon Pittsburgh*	127650	368.20	212689	475.00	90062	360.00	155500	613.60	09666	390.00	1	1 1	20760	8320
Delaware .	25600	87.04	1		!	1 1 1	120000	486.00	1	1 1 1	1 1 1	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
sionilli 23	602727	1681.81	238787	654.19	46800	156.20	210720	735.68	465942	1416.71	348500	1531.50	391200	752.51
Ohio	59600	171.00	1	1	154560	293.56	117260	232.94	206720	392.77	204800	389.12		1
Maryland -	'	1 1	24000	74.40	48000	148.80	23840	74.40	100	1 1 1 0 0	1	1	007499	07 679
Washington	38462	105 60	1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1	1 1 1 1	002111	1850.05	59205	07.620	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1	77.	010.10
Michigan - West Va.	169349	365.15	! !	1 1	48000	73.20	97950	161.99	24000	55.20	27000	76.95	48000	69.60
Virginia	-	1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		100	1 0	110	1 1 1	!	1 1 1	1 1 1 1	1	1 1 1 1	1 1 1 1 1 1
Idaho	92190	1385.33	91245	1478.14	02909	951.90	30315	475.95	1 1 1	1 1 1 1 1 1 1	11.	00 300	1 1 1	1 1 1 1
Missouri -	1	()	1 1 1	!	1 1 1 1	1 1	1 1 1	1 1 1	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SUSTS	77777	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1
EXPRESS	1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1	1 1 1	1	1 1 1	1 - 1 - 1 - 1 - 1	1010	1 0	\$ 1 1 1 1	1 1 1 1 1	1 1 1	1 1 1 1 1
BOAT	11940	33.50			1 1 1 1 1		:::::::::::::::::::::::::::::::::::::::	1	10000	29.40	1 1 1 1 1 1	1 1 1 1 1		

*Wholesale market.

TABLE 14.—Receipts of Grapes in Wheeling by Freight: Origin of Shipment, Quantity, and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive†

	Te	otal			Origin of	Shipmen	t	
Month			Pitts	burgh*	Cali	fornia	New	York
	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges
Total	3747822	\$69294.44	160600	\$ 762.83	3099997	\$65046.87	487225	\$3484.74
1925								
July	40535	624.61	14075	66.85	26460	557.76		
Aug	201284	3562.67	42275	200.80	159009	3361.87		
Sept	817688	14861.98	95100	451.72	660768	13882.79	61820	527.47
Oct	1532222	27436.61	9150	43.46	1209087	25182.40	313985	2210.75
Nov	1043233	20331.12			931813	19584.60	111420	746.52
Dec	112860	2477.45			112860	2477.45		

^{*}Wholesale market.

TABLE 15.—Melon Receipts in Wheeling by Freight: Origin of Shipment, Quantity and Carrying Charges by months, June, 1925, to May, 1926, Inclusive*

Origin of Shipment	To	tal		925 ine
	Pounds	Carrying Charges	Pounds	Carrying Charges
Total	4084200	325743.30	363000	\$2498.89
Florida	391600 2982400	2827.04 18948.62	82500 280500	605.27 1893.62
Alabama South Carolina	56500 361500	381.32 2123.59		
Indiana Virginia	208700 25200	1098.81		
West Virginia Delaware	25200 33100	52.92 158.80		

			192	5		
Origin of Shipment	Jı	uly	Au	gust	Sept	ember
	Pounds	Carrying Charges	Pounds	Carrying Charges	Pounds	Carrying Charges
Total	1974700	\$12924.17	1527400	39221.28	219100	\$1103.96
Florida	309100 1425400 56500	2221.77 9257.80 381.32	1215500	7431.40	61000	365.80
South CarolinaIndiana	159700 24000	933.43 124.80	201800 84900	1185.11 447.57	99800	526.44
Virginia West Virginia Delaware			25200	157.20	25200 33100	52.92 153.80

^{*}No receipts in months of October, 1925, to May, 1926.

[†]No receipts in months of June, 1925, and January to May, 1926.

tember 219100 pounds of melons were shipped to the Wheeling market. Only about one eighth of these came from West Virginia, and none from Ohio.

Meat

Table 16 shows the receipts of meat on the Wheeling market. The greater part came from Chicago, Columbus, and Pittsburgh. There is a fair-sized packing plant in Wheeling, as may be judged from receipts of cattle as shown in Table 17 and of hogs as shown in Table 18.

TABLE 16.—Receipts of Meats in Wheeling by Freight: Quantity and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	15047566	\$81818.59
1925 June July July August September October November December	1131799	6877.52 7663.99 7933.30 6221.75 7304.35 6105.31 6372.30
1926 January February March April	1348239 1282689 1419670 841809	7476.93 7186.03 7588.62 5231.21 5857.28

TABLE 17.—Receipts of Cattle in Wheeling by Freight and Express: Quantity and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	15396301	\$70990.36
1925		
June	603939	2928.07
July	974998	3705.61
August	977574	4363,43
September	1159863	4715.88
October	612116	6160.02
November	1089181	3468.89
December	1320712	5539.59
1926		8614.95
January	1764133	
February	1831322	8156.93
March	2216463	10540.77
April	1387379	6090.49
May	1458721	6705.73

Grain and Mill Feed

Table 19 shows the receipts of grain and mill feed received on the Wheeling market. The Wheeling area is not well adapted to grain production, topography and price of land considered. It is probably more economical for dairymen to buy the bulk of their feed than to attempt to raise it on high-priced land and with high-priced labor.

TABLE 18.—Receipts of Hogs in Wheeling by Freight: Quantity and Carrying and Feed Charges by Months, June 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	65635945	\$302630.99
1925		
June	7367970	57136.45
July	6103950	38793.97
August	5227081	19984.98
September	5971657	21755.83
October	5474900	19536.27
November	5413470	19430.68
December	5483951	19951.12
1926		
January	5846279	22196.36
February	4698662	18556.87
March	5238306	22428.77
April	4660760	22020.71
May	4148959	20838.98

TABLE 19.—Receipts of Grain and Mill Feed in Wheeling by Freight: Quantity and Carrying Charges by Months, June, 1925, to May, 1926, Inclusive

Month	Quantity in Pounds	Carrying Charges
Total	8777833	\$15658.11
1925		
June	600263	1130.73
July	_ 594525	962.15
August	_ 1331009	2616.51
September	849988	1498.45
October	_ 178868	272.24
November	1097426	2042.65
December	974568	1520.24
1926		
January	_ 881899	1471.00
February	497212	905.02
March	630315	1264.65
April	422055	662.83
May	719705	1311.64

SUMMARY

Records of freight, express, and boat receipts show that food commodities are coming to the Wheeling market in large quantities, from distant points and with high freight costs.

Approximately 316,000 bushels of potatoes were brought to the Wheeling market by boat, express, and freight. West Virginia farmers supplied only 1.4 percent of this total and only 3.7 percent of the potatoes received during the four-months' period, August, September, October, and November, which is the peak of the marketing season for locally grown potatoes. The average carrying charges on the potatoes received on the market amounted to 50c per cwt., while for those potatoes coming from West Virginia the carrying charges amounted to 28c per cwt. Prices are favorable for locally grown potatoes.

West Virginia potato growers have scarcely touched the Wheeling potato market. It would seem advisable that steps be taken to open this market for state-grown potatoes.

Large quantities of onions, cabbage, and lettuce came on the market. The market is available but not enough data were collected in this study to hazard advice on the profitableness of the culture of these vegetables locally.

The data show that local production of beans and tomatoes fairly well supplies the market demands for these vegetables during the local producing season.

Poultry production for the local market could stand some expansion before local demands are satisfied.

It would appear that the culture of grapes and small fruits might well take a place on some farms in the area.

While orcharding appears to be over-expanded in the country as a whole, there seems to be an opportunity for farmers in the northern panhandle section to produce apples at a fair profit for local markets.

DISCUSSION

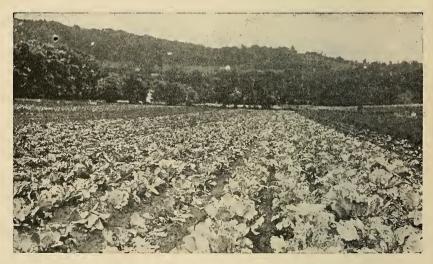
Data on agricultural production costs in the Wheeling area together with comparative costs in the main competing areas are essential in guiding readjustments. A cooperative study by Ohio, Pennsylvania, and West Virginia would be necessary to obtain these data. The present study has gone no further than to point out some of the possibilities of readjustments. It should point the way to more detailed studies of the possibilities for producing locally the various crops for which the local market shows an unfilled demand.

Farmers in the Wheeling area have an advantage in transportation costs because of nearness to market. Yet further study might show that increased production costs would wipe out this advantage in the case of some or all of the commodities considered.

Truck farming appears to be losing in favor in the area, but no definite reason for this circumstance was ascertained.

Dairy farming for market milk production appears to be over-developed. If dairymen find that they cannot produce milk for sale at the price of manufactured milk, they may find it profitable to change to other sorts of production. The road system has opened up a large section of cheaper land than is to be found in Ohio County. Consequently more and more of the fluid milk is becoming surplus milk and has to go at manufactured-milk prices.

Dairy farmers in the Wheeling area are in need of a thorough study of milk production and marketing.



Much cabbage is grown for the local market.







