

AGRICULTURE—INDIANA.

INTRODUCTION.

In the following pages are presented all of the published results of the 1920 census of agriculture for this state and its counties, except certain detailed tabulations for the state which appear in Volume V of the Fourteenth Census Reports and a few minor items which have been published in special bulletins. The statistics of farms and farm property, including live stock, relate to January 1, 1920; those of live-stock

products, crops, and farm expenditures are for the calendar year 1919. In order to show the present tendency in agriculture, comparative figures for the census of 1910 are given throughout; and to show the general trend of the agricultural industry over a considerable period of time, all general farm information available is presented for the different censuses since 1850.

FARMS AND FARM PROPERTY.

TABLE 1.—SUMMARY: 1920 AND 1910.

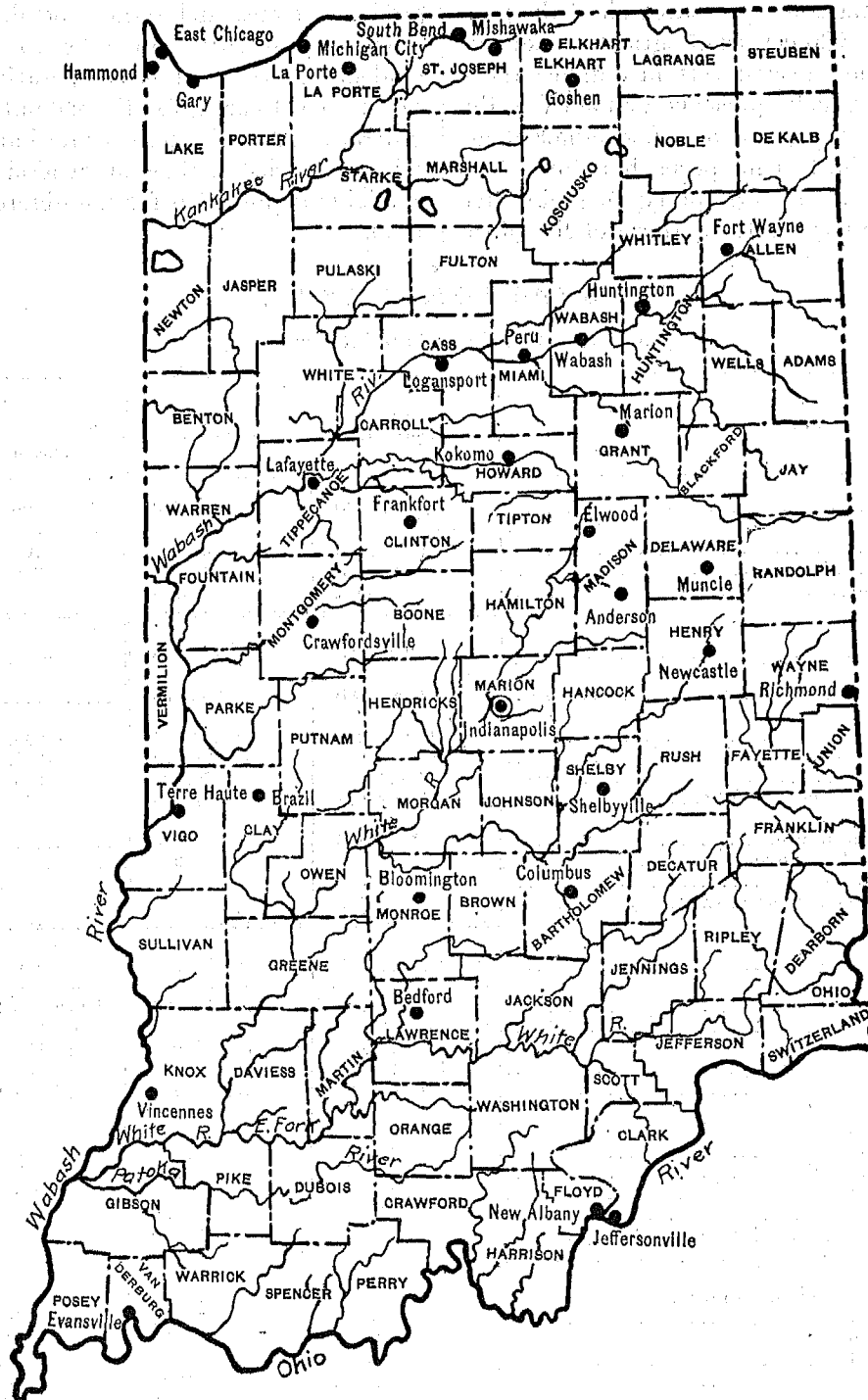
ITEM.	1920 (January 1)	1910 (April 15)	INCREASE. ¹	
			Amount.	Per cent.
Population, total.....	2, 930, 390	2, 700, 876	229, 514	8. 5
Rural ²	1, 447, 535	1, 557, 041	-109, 506	-7. 0
Urban.....	1, 482, 855	1, 143, 835	339, 020	29. 6
Per cent rural.....	49. 4	57. 6		
Number of farms.....	205, 126	215, 485	-10, 359	-4. 8
Approximate land area of the state.....acres..	23, 068, 800	23, 068, 800		
All land in farms.....acres..	21, 063, 332	21, 299, 823	-236, 491	-1. 1
Improved land in farms.....acres..	16, 680, 212	16, 931, 252	-251, 040	-1. 5
Woodland in farms.....acres..	3, 141, 042	3, 370, 791	-229, 749	-6. 8
Other unimproved land in farms.....acres..	1, 242, 078	997, 780	244, 298	24. 5
Per cent of land area in farms.....	91. 3	92. 3		
Per cent of farm land improved.....	79. 2	79. 5		
Average acreage per farm.....	102. 7	98. 8	3. 9	3. 9
Average improved acreage per farm.....	81. 3	78. 6	2. 7	3. 4
Value of all farm property.....	\$3, 042, 311, 247	\$1, 809, 135, 238	\$1, 233, 176, 009	68. 2
Land and buildings.....	2, 653, 643, 973	1, 594, 275, 596	1, 059, 368, 377	66. 4
Land alone.....	2, 202, 566, 336	1, 323, 196, 545	874, 369, 791	65. 8
Buildings.....	451, 077, 637	268, 079, 051	184, 998, 586	69. 5
Implements and machinery.....	127, 403, 086	40, 999, 541	86, 403, 545	210. 7
Live stock.....	261, 264, 188	173, 860, 101	87, 404, 087	50. 3
Average value per farm:				
All farm property.....	14, 831	8, 396	6, 435	76. 6
Land and buildings.....	12, 937	7, 399	5, 538	74. 8
Land alone.....	10, 738	6, 164	4, 574	74. 2
Buildings.....	2, 199	1, 235	964	78. 1
Implements and machinery.....	621	190	431	226. 8
Live stock.....	1, 274	807	467	57. 9
Average value per acre of land in farms:				
All farm property.....	144. 44	84. 94	59. 50	70. 0
Land and buildings.....	125. 98	74. 85	51. 13	68. 3
Land alone.....	104. 57	62. 36	42. 21	67. 7
Buildings.....	21. 42	12. 49	8. 93	71. 5
Implements and machinery.....	6. 05	1. 92	4. 13	215. 1
Live stock.....	12. 40	8. 16	4. 24	52. 0

¹ A minus sign (-) denotes decrease.

² Population residing outside of incorporated places having 2,500 inhabitants or over. The rate of increase (or decrease) in the rural population between the two censuses is affected somewhat by the fact that certain places classified as rural in 1910 had become urban by 1920. The population in 1910 of the territory classified as rural in 1920 was 1,541,354. For this territory, the population shows a decrease between 1910 and 1920 amounting to 6.1 per cent, which percentage indicates the rate of decline in the rural population, leaving out of consideration the changes in classification of territory.

INDIANA

COUNTIES, PRINCIPAL CITIES, AND RIVERS.



EXPLANATION OF TERMS.

To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

Farm.—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term, referring to the work of growing crops, producing other agricultural products, and raising domestic animals, poultry, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. When a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1919, or required for its agricultural operations the continuous services of at least one person.

Farmer.—A "farmer" or "farm operator," according to the census definition, is a person who directs the operation of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, managers, and tenants.

Farm owners include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "full owners" being then used for those owning all their land.

Managers are farmers who are conducting farm operations for the owner for wages or a salary.

Farm tenants are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1920 in five classes: (1) Share tenants—those who pay a certain share of the products, as one-half, one-third, or one-quarter, for the use of the farm but furnish their own farm equipment and animals; (2) croppers—share tenants who do not furnish their work animals; (3) share-cash tenants—those who pay a share of the products for part of the land rented by them and cash for part; (4) cash tenants—those who pay a cash rental, as \$7 per acre of crop land or \$500 for the use of the whole farm; (5) standing renters—those who pay a stated amount of farm products for the use of the farm, as 3 bales of cotton or 500 bushels of corn. In some cases the character of the tenancy was not ascertained by the enumerator; such tenants are designated "unspecified."

Farm land.—Farm land is divided into (1) improved land, (2) woodland, and (3) other unimproved land.

Improved land includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

Woodland includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

All other unimproved land includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest.

The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics, therefore, must be considered at best only a close approximation.

NUMBER OF FARMS, ACREAGE, AND VALUE.

TABLE 2.—NUMBER OF FARMS AND FARM ACREAGE: 1850 TO 1920.

CENSUS YEAR.	FARMS.		LAND IN FARMS.				Per cent of land area in farms.	Per cent of farm land im- prov- ed.
	Num- ber.	Per cent of in- crease. ¹	All land.		Improved land.			
			Acres.	Per cent of in- crease. ¹	Acres.	Per cent of in- crease. ¹		
1920.....	205,126	-4.8	21,063,332	-1.1	16,680,212	-1.5	91.3	79.2
1910.....	215,485	-2.9	21,299,823	-1.6	16,931,252	1.5	92.3	79.5
1900.....	221,897	12.0	21,619,023	6.2	16,680,358	10.4	94.1	77.2
1890.....	198,167	2.1	20,392,516	-0.3	15,107,482	8.4	88.7	74.2
1880.....	194,013	20.3	20,420,983	12.7	13,633,738	37.9	88.9	68.2
1870.....	161,289	22.3	18,119,648	10.6	10,104,270	22.6	78.9	55.8
1860.....	131,823	40.4	16,388,292	28.1	8,242,183	63.3	71.4	50.3
1850.....	98,896	.....	12,793,422	.....	5,046,543	.....	55.7	39.4

¹ A minus sign (-) denotes decrease.

TABLE 3.—VALUE OF FARM PROPERTY: 1850 TO 1920.

CENSUS YEAR.	ALL FARM PROPERTY.		LAND AND BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1920.....	\$3,042,311,247	68.2	\$2,653,643,973	66.4	\$127,403,086	210.7	\$261,264,188	50.3
1910.....	1,809,135,238	84.9	1,594,276,596	89.4	40,999,541	50.0	173,800,101	58.7
1900.....	978,616,471	12.6	841,735,340	11.5	27,330,370	29.1	109,550,761	17.3
1890.....	869,322,787	10.6	754,789,110	13.8	21,172,255	3.4	93,361,422	31.4
1880.....	726,781,857	23.4	635,236,111	25.1	20,476,988	44.8	71,068,758	6.0
1870.....	589,006,050	44.0	507,843,351	42.4	14,141,273	35.2	67,021,426	60.1
1860.....	409,025,611	147.0	356,712,175	161.5	10,457,897	66.0	41,858,599	86.2
1850.....	165,568,172	.....	136,385,173	.....	6,704,444	.....	22,478,555	.....

¹ Computed gold values, being 80 per cent of the currency values reported.

TABLE 4.—AVERAGE ACREAGE AND AVERAGE VALUE PER FARM: 1850 TO 1920.

[Averages are based on "all farms" in the state.]

CENSUS YEAR.	AVERAGE ACREAGE PER FARM.		AVERAGE VALUE PER FARM.			
	All land.	Improved land.	All farm property.	Land and buildings.	Implements and machinery.	Live stock.
1920.....	102.7	81.3	\$14,831	\$12,937	\$621	\$1,274
1910.....	98.8	78.6	8,896	7,399	190	807
1900.....	97.4	75.2	4,410	3,793	123	494
1890.....	102.8	76.2	4,387	3,809	107	471
1880.....	105.3	71.8	3,746	3,274	106	396
1870.....	112.3	62.6	3,652	3,149	88	416
1860.....	124.3	62.5	3,103	2,706	79	313
1850.....	136.2	53.7	1,763	1,453	71	239

¹ Computed gold values, being 80 per cent of the currency values reported.

TABLE 5.—AVERAGE VALUE PER ACRE: 1850 TO 1920.

[Averages are based on "all land in farms" in the state.]

CENSUS YEAR.	All farm property.	Land and buildings.	Land alone.	Buildings alone.	Implements and machinery.	Live stock.
1920.....	\$144.44	\$125.98	\$104.57	\$21.42	\$6.05	\$12.40
1910.....	84.94	74.85	62.86	12.49	1.92	8.16
1900.....	45.27	38.93	31.61	7.13	1.26	5.07
1890.....	42.69	37.07	.....	.....	1.04	4.58
1880.....	35.59	31.11	.....	.....	1.00	3.48
1870.....	32.51	28.03	.....	.....	0.78	3.70
1860.....	24.96	21.77	.....	.....	0.64	2.55
1850.....	12.94	10.66	.....	.....	0.52	1.76

¹ Computed gold values, being 80 per cent of the currency values reported.

FARMS BY SIZE.

TABLE 6.—NUMBER OF FARMS, BY SIZE: 1920 AND 1910.

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	205,126	215,485	-10,359	-4.8	100.0	100.0
Under 20 acres.....	10,916	23,644	-3,728	-15.8	9.7	11.0
Under 3 acres.....	537	441	96	21.8	0.3	0.2
3 to 9 acres.....	9,433	11,508	-2,075	-18.0	4.6	5.3
10 to 19 acres.....	9,946	11,695	-1,749	-15.0	4.8	5.4
20 to 49 acres.....	34,949	40,161	-5,212	-13.0	17.0	18.6
50 to 99 acres.....	65,066	67,221	-2,155	-3.2	31.7	31.2
100 to 174 acres.....	57,895	57,261	634	1.1	28.2	26.6
175 to 499 acres.....	26,265	26,107	158	0.6	12.8	12.1
175 to 259 acres.....	18,354	18,081	273	1.5	8.9	8.4
260 to 499 acres.....	7,911	8,026	-115	-1.4	3.9	3.7
500 to 999 acres.....	905	949	-44	-4.6	0.4	0.4
1,000 acres and over.....	130	142	-12	-8.5	0.1	0.1

¹A minus sign (-) denotes decrease.

TABLE 7.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY SIZE: 1880 TO 1920.

SIZE GROUP.	1920	1910	1900	1890	1880
Total number of farms.....	205,126	215,485	221,897	198,167	194,013
Under 10 acres.....	9,970	11,049	10,436	5,729	4,863
10 to 19 acres.....	9,946	11,695	11,540	7,987	8,019
20 to 49 acres.....	34,949	40,161	47,009	43,806	43,403
50 to 99 acres.....	65,066	67,221	71,055	65,198	64,030
100 to 499 acres.....	84,160	83,368	80,539	73,811	72,103
500 to 999 acres.....	905	949	1,094	1,395	1,320
1,000 acres and over.....	130	142	224	241	275
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Under 10 acres.....	4.9	5.5	4.7	2.9	2.5
10 to 19 acres.....	4.8	5.4	5.2	4.0	4.1
20 to 49 acres.....	17.0	18.6	21.2	22.1	22.4
50 to 99 acres.....	31.7	31.2	32.0	32.9	33.0
100 to 499 acres.....	41.0	38.7	36.3	37.2	37.2
500 to 999 acres.....	0.4	0.4	0.5	0.7	0.7
1,000 acres and over.....	0.1	0.1	0.1	0.1	0.1

TABLE 8.—FARM ACREAGE AND VALUE, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	21,063,332	21,299,823	16,680,212	16,931,252	\$2,653,643,973	\$1,594,275,596
Under 20.....	189,027	221,480	164,487	196,015	58,725,125	43,197,215
20 to 49.....	1,227,117	1,384,816	1,006,186	1,155,565	165,813,204	111,641,607
50 to 99.....	4,859,427	4,977,801	3,992,245	4,097,432	617,899,988	371,629,800
100 to 174.....	7,591,255	7,485,481	6,072,468	5,996,101	936,277,150	549,502,724
175 to 499.....	6,433,804	6,400,086	4,945,000	4,923,766	796,084,561	465,787,540
500 to 999.....	558,839	591,015	378,543	418,564	59,369,828	40,161,060
1,000 and over.....	208,263	239,104	121,274	143,209	19,474,117	12,355,650

TABLE 9.—PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY SIZE OF FARM: 1920 AND 1910.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910
Total.....	79.2	79.5	\$12,937	\$7,399	\$125.98	\$74.85
Under 20 acres.....	85.7	88.8	2,049	1,827	309.69	195.04
20 to 49 acres.....	82.0	83.4	4,744	2,780	135.12	80.82
50 to 99 acres.....	82.2	82.3	9,497	5,523	127.15	74.66
100 to 174 acres.....	80.0	80.1	16,172	9,596	123.34	73.41
175 to 499 acres.....	76.9	76.9	30,310	17,841	123.73	72.78
500 to 999 acres.....	68.3	70.8	65,602	42,319	107.20	67.95
1,000 acres and over.....	58.2	59.9	149,801	87,012	93.51	51.66

FARMS BY TENURE.

TABLE 10.—NUMBER OF FARMS, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	205,126	215,485	-10,359	-4.8	100.0	100.0
Owners.....	137,210	148,501	-11,291	-7.6	66.9	68.9
Owning entire farm.....	112,664	115,424	-2,760	-2.4	54.9	53.6
Hiring additional land.....	24,546	33,077	-8,531	-25.8	12.0	15.4
Managers.....	2,329	2,297	32	1.4	1.1	1.1
Tenants.....	65,587	64,687	900	1.4	32.0	30.0
Share tenants.....	48,473	45,573	2,900	6.4	23.6	21.1
Share-cash tenants.....	3,800	4,896	-1,096	-22.4	1.9	2.3
Cash tenants.....	10,615	10,636	-21	-0.2	5.2	4.9
Unspecified.....	2,699	3,582	-883	-24.7	1.3	1.7

¹A minus sign (-) denotes decrease.

TABLE 11.—NUMBER OF FARMS AND PER CENT DISTRIBUTION, BY TENURE: 1880 TO 1920.

TENURE.	1920	1910	1900	1890	1880
Total number of farms.....	205,126	215,485	221,897	198,167	194,013
Farms operated by owners.....	137,210	148,501	156,227	147,885	147,963
Owning entire farm.....	112,664	115,424	124,628	(2)	(2)
Hiring additional land.....	24,546	33,077	31,599	(2)	(2)
Farms operated by managers.....	2,329	2,297	2,222	(3)	(3)
Farms operated by tenants.....	65,587	64,687	63,448	50,282	46,050
Share tenants.....	48,473	45,573	50,487	39,346	37,468
Share-cash tenants.....	3,800	4,896			
Cash tenants.....	10,615	10,636	12,961	10,936	8,582
Unspecified.....	2,699	3,582			
Per cent of all farms.....	100.0	100.0	100.0	100.0	100.0
Operated by owners.....	66.9	68.9	70.4	74.6	76.3
Owning entire farm.....	54.9	53.6	56.2	(3)	(2)
Hiring additional land.....	12.0	15.4	14.2	(2)	(2)
Operated by managers.....	1.1	1.1	1.0	(1)	(3)
Operated by tenants.....	32.0	30.0	28.6	25.4	23.7
Share and share-cash.....	25.5	23.4	22.8	19.9	19.3
Cash and unspecified.....	6.5	6.6	5.8	5.5	4.4

¹ Includes farms operated by managers.² Not reported separately.³ Included with farms operated by owners.

TABLE 12.—FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910
Total.....	21,063,332	21,299,823	16,680,212	16,931,252	\$2,653,643,973	\$1,594,275,596
Owners.....	12,870,404	13,938,925	10,025,972	10,943,297	\$1,507,785,478	\$983,140,921
Managers.....	472,916	488,409	340,707	343,151	65,809,419	37,817,116
Tenants.....	7,719,952	6,877,429	6,307,533	5,644,804	\$1,080,349,079	\$563,317,559

TABLE 13.—PER CENT DISTRIBUTION OF FARMS AND OF FARM ACREAGE AND VALUE, BY TENURE: 1920 AND 1910.

TENURE.	NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		VALUE OF LAND AND BUILDINGS.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	66.9	68.9	61.1	65.4	60.1	64.6	56.8	62.3
Managers.....	1.1	1.1	2.2	2.3	2.1	2.0	2.5	2.4
Tenants.....	32.0	30.0	36.7	32.3	37.8	33.2	40.7	35.3

TABLE 14.—AVERAGE ACREAGE, PER CENT OF FARM LAND IMPROVED, AND AVERAGE VALUES, BY TENURE: 1920 AND 1910.

TENURE.	AVERAGE ACREAGE PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per acre.	
	1920	1910	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	102.7	98.8	81.3	78.6	79.2	79.5	\$12,937	\$7,399	\$125.98	\$74.85
Owners.....	93.8	93.9	73.1	73.7	77.9	78.5	10,989	6,688	117.15	71.25
Managers.....	203.1	210.5	148.9	149.4	73.3	71.0	28,128	16,464	138.52	78.22
Tenants.....	117.7	106.3	96.2	87.3	81.7	82.1	16,472	8,708	139.94	81.91

FARMS BY SEX, RACE, AND NATIVITY OF FARMER.

TABLE 15.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY SEX AND TENURE OF FARMER: 1920.

SEX AND TENURE	Number of farms	All land in farms (acres).	Improved land in farms (acres).	Value of land and buildings.	AVERAGE PER FARM.		
					All land (acres).	Improved land (acres).	Value of land and buildings.
Total.....	205,126	21,063,332	16,680,212	\$2,653,643,973	102.7	81.3	\$12,937
Male.....	195,897	20,616,279	16,355,570	2,593,789,695	103.7	82.2	13,043
Female.....	9,229	447,053	324,642	59,854,278	71.4	51.9	9,563
Owners.....	137,210	12,870,484	10,095,972	1,507,785,478	93.8	73.1	10,989
Male.....	131,308	12,457,067	9,727,062	1,452,495,055	94.9	74.1	11,082
Female.....	5,902	413,397	298,910	55,290,423	70.0	50.5	9,368
Managers.....	2,329	472,916	348,707	65,509,416	203.1	148.9	28,128
Male.....	2,311	471,398	345,817	65,349,216	204.0	149.6	28,277
Female.....	18	1,518	890	160,200	84.3	49.4	8,900
Tenants.....	65,587	7,719,852	6,307,533	1,080,849,079	117.7	96.2	16,472
Male.....	65,248	7,687,814	6,282,091	1,075,945,424	117.8	96.3	16,490
Female.....	339	32,138	25,442	4,403,655	94.8	75.1	12,990

TABLE 16.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY NATIVITY OF WHITE FARMERS AND BY RACE OF COLORED FARMERS: 1920 AND 1910.

COLOR AND NATIVITY OR RACE.	NUMBER OF FARMS.		LAND IN FARMS, 1920 (ACRES).		Value of land and buildings, 1920
	1920	1910	Total.	Improved.	
All farmers.....	205,126	215,485	21,063,332	16,680,212	\$2,653,643,973
White farmers.....	204,554	214,680	21,026,616	16,649,507	2,649,387,943
Native ¹	195,150	204,951	20,405,407	16,196,647	2,568,520,378
Foreign-born.....	6,398	9,729	621,119	452,860	80,867,565
Country of birth:					
Austria.....	220	216	17,268	12,116	1,643,785
Canada.....	131	201	10,085	11,351	2,032,240
England.....	310	550	26,865	21,204	3,711,080
France.....	172	108	13,338	10,751	1,885,405
Germany.....	3,048	5,893	304,214	240,608	37,391,651
Holland.....	354	369	38,820	30,155	5,353,336
Hungary.....	126	85	10,288	6,760	997,790
Ireland.....	219	547	24,872	19,447	3,203,938
Poland.....	236	145	19,317	14,516	2,343,810
Sweden.....	522	642	56,157	43,322	7,772,524
Switzerland.....	343	457	30,897	26,182	4,422,365
Other countries.....	702	538	63,002	46,548	10,109,641
Colored farmers.....	572	805	38,716	30,705	4,256,030
Negro.....	570	785	36,668	30,660	4,254,030
Indian.....	2	20	48	39	2,000

¹ Includes farmers with country of birth not reported, as follows: For 1920, 3,259; for 1910, 300.

TABLE 17.—NUMBER OF FARMERS, CLASSIFIED BY TENURE, COLOR, AND NATIVITY: 1920 AND 1910.

TENURE.	ALL FARMERS.		NATIVE WHITE. ¹		FOREIGN-BORN WHITE.		COLORED.	
	1920	1910	1920	1910	1920	1910	1920	1910
Total.....	205,126	215,485	198,156	204,951	6,398	9,729	572	805
Owners.....	137,210	148,501	131,737	139,869	5,167	8,100	306	472
Managers.....	2,329	2,297	2,251	2,204	64	78	14	15
Tenants.....	65,587	64,687	64,168	62,878	1,167	1,491	252	318

¹ Includes farmers with country of birth not reported.

FARM MORTGAGES.

TABLE 18.—MORTGAGED FARMS: 1920 AND 1910.

[Owned farms only; includes all farms owned in whole or in part by the operator.]

CLASS.	NUMBER OF OWNED FARMS.		INCREASE. ¹		PER CENT OF TOTAL.	
	1920	1910	Number.	Per cent.	1920	1910
Total.....	137,210	148,501	-11,291	-7.6	100.0	100.0
Free from mortgage.....	73,233	89,847	-16,614	-18.5	53.4	60.5
Mortgaged.....	51,474	56,914	-5,440	-9.6	37.5	38.3
Unknown.....	12,503	1,740	10,763	618.6	9.1	1.2

¹ A minus sign (-) denotes decrease. The comparative figures shown for farms free from mortgage and mortgaged are affected somewhat by the fact that more farms were tabulated as "unknown" in 1920 than in 1910.

TABLE 19.—MORTGAGED FARMS (OR FARM HOMES): 1890 TO 1920.

CLASS.	OWNED FARMS.		OWNED FARM HOMES.		PER CENT OF TOTAL.			
	1920	1910	1900	1890	1920	1910	1900	1890
Total.....	137,210	148,501	156,827	145,275	100.0	100.0	100.0	100.0
Free from mortgage.....	73,233	89,847	97,202	97,196	53.4	60.5	62.0	66.9
Mortgaged.....	51,474	56,914	55,864	48,079	37.5	38.3	35.6	33.1
Unknown.....	12,503	1,740	3,761	.....	9.1	1.2	2.4	.....

TABLE 20.—MORTGAGE DEBT: 1920 AND 1910.

ITEM.	OWNED FARMS MORTGAGED. ¹		INCREASE.	
	1920	1910	Amount.	Per cent.
Number of farms reporting amount of debt.....	40,416	40,108	308	0.8
Value of land and buildings.....	\$439,152,507	\$251,961,241	\$187,191,266	74.3
Amount of mortgage debt.....	\$105,256,239	\$57,486,582	\$47,769,657	83.1
Ratio of debt to value, per cent.....	24.0	22.8	.....	.....
Average rate of interest paid, per cent.....	5.8	.....	.....	.....
Average value per farm.....	\$10,866	\$6,282	\$4,584	73.0
Average debt per farm.....	\$2,604	\$1,433	\$1,171	81.7
Average equity per farm.....	\$8,261	\$4,849	\$3,412	70.4

¹ Includes only farms consisting wholly of owned land and reporting amount of debt. In considering the comparative figures it should be borne in mind that the mortgage debt may have been more completely reported at one census than at the other.

FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED.

TABLE 21.—FARMS REPORTING EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	NUMBER OF FARMS REPORTING.		INCREASE. ¹		PER CENT OF ALL FARMS.	
	1919	1909	Number.	Per cent.	1919	1909
Labor.....	93,207	103,947	-10,740	-10.3	45.4	48.2
Fertilizer.....	98,703	55,431	43,272	78.1	48.1	25.7
Feed.....	130,075	74,889	55,186	73.7	63.4	34.8

¹ A minus sign (-) denotes decrease.

TABLE 22.—AMOUNT OF EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919 AND 1909.

ITEM.	AMOUNT EXPENDED.		INCREASE.	
	1919	1909	Amount.	Per cent.
Labor, total.....	\$32,867,304	\$17,682,079	\$15,185,225	85.9
Amount in cash.....	25,608,743	14,013,473	11,595,270	82.7
Value of rent and board furnished.....	7,258,561	3,668,606	3,589,955	97.9
Fertilizer.....	8,734,698	2,189,695	6,545,003	298.9
Feed.....	42,306,030	6,893,901	35,412,129	513.7

LIVE STOCK ON FARMS AND ELSEWHERE.

(DOMESTIC ANIMALS, POULTRY, AND BEES.)

Domestic animals: 1920 and 1910.—The census of 1920 was taken as of January 1 and that of 1910 as of April 15. Since a great many domestic animals are born during the period between January 1 and April 15 and, on the other hand, a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not fully comparable. In addition to the change in the date of enumeration, there have been certain changes in the age and sex classifications. The 1910 figures presented in the following tables are therefore restricted to those classes of domestic animals which are least affected by these changes and for which the figures are fairly comparable with the 1920 returns.

Dairy cows: 1920 and 1910.—In 1910 the census called for "cows and heifers kept for milk" and "cows and heifers *not* kept for milk." The instructions read: "Report as cows kept for milk those whose milk is used in some form for human food. Cows milked for three months during the year should be reported as *kept for milk*, although a part of the year they run with their calves."

In 1920 the census called for "dairy cattle" and "beef cattle." Dairy cattle were defined as those "kept mainly for milk production," and the following instructions were given the enumerators: "Classify all cattle as beef cattle or as dairy cattle according to the principal purpose for which they are kept." It is believed that under this rule the fully established dairy and beef breeds have been properly reported, with few errors, and that cattle of the dual-purpose breeds or of no definite breeding have been placed in one class or the other, according to the principal purpose for which they are kept.

In states where cattle are raised extensively for beef production the result of this new classification will be to reduce materially the proportion of cows classified as dairy cows, and even in states having few strictly beef cattle the 1920 classification may be expected to give a somewhat smaller proportion of dairy cows than the 1910 classification.

In Indiana the number of "dairy cows," including heifers 1 year old and over, reported for January 1, 1920, was 726,873, as compared with 633,591 "cows kept for milk" reported for April 15, 1910. This represents an increase of 93,282, or 14.7 per cent. The number of "beef cows" reported for January 1, 1920, was 246,854, as compared with 133,709 "cows not kept for milk" reported for April 15, 1910, representing an increase of 113,145, or 84.6 per cent.

"Dairy cows" constituted 74.6 per cent of all cows reported in 1920, as compared with 82.6 per cent for "cows kept for milk" in 1910. The reduction in this percentage is due partly, if not wholly, to the change in classification mentioned above and should not be taken as indicating a decline in the relative importance of the dairy industry.

Farms reporting domestic animals: 1910.—Horses were reported by 195,268 farms in Indiana in 1910, mules by 33,225 farms, cattle by 193,876, sheep by 38,191, and swine by 159,137. In comparing these figures with the 1920 figures given in the table below, due allowance should be made for the fact that the total number of farms in Indiana decreased from 215,485 in 1910 to 205,126 in 1920.

TABLE 23.—DOMESTIC ANIMALS ON FARMS: 1920.

CLASS.	FARMS REPORTING.		ANIMALS.		
	Num-ber.	Per cent of all farms.	Num-ber.	Value.	Average value.
Total.....	197,920	96.5	.....	\$244,164,616	.....
Horses, total.....	185,784	90.8	717,233	66,703,219	\$92.00
Colts under 1 year of age.....	23,722	11.0	31,915	1,459,631	45.73
Colts 1 year old and under 2 years.....	28,175	13.7	39,090	2,472,496	63.25
Mares 2 years old and over.....	154,422	75.3	368,725	36,130,732	98.12
Geldings 2 years old and over.....	135,520	66.1	274,232	25,829,427	94.19
Stallions 2 years old and over.....	2,310	1.1	3,271	700,370	232.61
Mules, total.....	33,581	18.8	100,358	11,988,392	119.46
Mule colts under 1 year of age.....	8,803	4.3	14,509	972,892	67.05
Mule colts 1 year old and under 2 years.....	6,796	3.3	13,087	1,400,804	102.35
Mules 2 years old and over.....	23,323	13.8	72,162	9,614,696	133.24
Asses and burros.....	694	0.3	1,211	181,642	149.99
Cattle, total.....	187,780	91.5	1,546,095	94,529,884	61.14
Beef cattle, total.....	58,246	28.4	599,604	35,859,678	59.80
Calves under 1 year of age.....	37,618	18.3	158,923	4,620,327	29.07
Heifers 1 year old and under 2 years.....	23,461	11.4	75,683	3,784,089	50.00
Cows and heifers 2 years old and over.....	32,743	16.0	171,171	12,985,200	75.86
Steers 1 year old and under 2 years.....	19,901	9.7	109,333	6,526,989	59.70
Steers 2 years old and over.....	7,074	3.4	70,047	6,336,409	90.46
Bulls 1 year old and over.....	12,527	6.1	14,537	1,606,664	110.52
Dairy cattle, total.....	164,243	80.1	946,401	58,670,206	61.99
Calves under 1 year of age.....	80,205	39.1	200,243	4,837,732	24.16
Heifers 1 year old and under 2 years.....	57,682	28.1	118,662	5,458,702	46.00
Cows and heifers 2 years old and over.....	160,561	78.3	608,211	46,749,690	76.86
Bulls 1 year old and over.....	17,926	8.7	19,285	1,624,022	84.21
Sheep, total.....	30,074	14.7	643,889	7,628,968	11.85
Lambs under 1 year of age.....	14,644	7.1	152,832	1,560,949	10.21
Ewes 1 year old and over.....	28,213	13.8	463,725	5,877,173	12.24
Rams 1 year old and over.....	15,490	7.6	19,298	314,136	16.28
Wethers 1 year old and over.....	450	0.2	8,034	76,710	9.55
Goats, total.....	1,161	0.6	7,872	37,294	4.74
Kids under 1 year of age, raised for fleeces.....	42	(¹)	394	1,504	3.82
Goats 1 year old and over, raised for fleeces.....	108	0.1	1,078	7,143	6.63
All other goats.....	1,058	0.5	6,400	28,647	4.48
Swine, total.....	172,206	84.0	3,757,135	63,095,220	16.79
Pigs under 6 months old.....	126,241	61.5	2,171,143	15,908,933	7.36
Sows and gilts for breeding, 6 months old and over.....	146,769	71.6	636,025	23,298,229	36.63
Boars for breeding, 6 months old and over.....	50,523	24.6	59,888	2,688,710	44.90
All other hogs, 6 months old and over.....	74,508	36.3	890,079	21,139,348	23.75

¹ Less than one-tenth of 1 per cent.

TABLE 24.—POULTRY AND BEES ON FARMS: 1920 AND 1910.

ITEM.	FARMS REPORT- ING, 1920.		NUMBER REPORTED. ¹		Value, 1920	Average value, 1920
	Num- ber.	Per cent of all farms.	1920 (Jan. 1)	1910 (Apr. 15)		
Poultry, total.....	194,510	84.8	17,147,576	13,789,109	\$16,757,365	\$0.98
Chickens.....	194,239	84.7	16,764,293	13,216,024	16,007,038	0.96
Turkeys.....	20,038	10.1	105,713	202,977	382,518	3.02
Ducks.....	16,402	8.0	104,961	121,306	135,356	1.20
Geese.....	16,364	8.0	89,210	139,081	183,818	2.06
Guinea fowls.....	10,260	5.0	70,765	67,433	40,440	0.67
Pigeons.....	987	0.5	22,038	51,929	8,145	0.30
Hives of bees.....	15,942	7.8	87,045	80,938	342,207	3.93

¹ The numbers of the different classes of poultry are not strictly comparable for the two censuses, since a considerable number of fowls are killed between Jan. 1 and Apr. 15.

² Includes small numbers of peafowls and pheasants.

TABLE 25.—SELECTED CLASSES OF DOMESTIC ANIMALS ON FARMS: 1920 AND 1910.

CLASS.	NUMBER:		INCREASE. ¹	
	1920 (Jan. 1)	1910 (Apr. 15)	Number.	Per cent.
Horses:				
Total, excluding spring colts reported for 1910.....	717,233	785,954	-68,721	-8.7
Colts under 1 year old on Jan. 1 of census year.....	31,015	71,863	-39,948	-55.6
Horses 1 year old and over on Jan. 1 of census year.....	686,218	714,091	-28,773	-4.0
Mules:				
Total, excluding spring colts reported for 1910.....	100,358	78,881	21,477	27.2
Mule colts under 1 year old on Jan. 1 of census year.....	14,609	9,388	5,121	54.5
Mules 1 year old and over on Jan. 1 of census year.....	85,849	69,493	10,856	23.5
Cattle:				
Total, excluding spring calves reported for 1910.....	1,546,095	1,178,863	367,232	31.2
Calves under 1 year old on Jan. 1 of census year.....	359,166	294,617	64,549	21.9
Cows and heifers 1 year old and over on Jan. 1 of census year.....	973,727	767,300	206,427	26.9
Steers and bulls 1 year old and over on Jan. 1 of census year.....	213,202	116,946	96,256	82.3
Sheep:				
Total, excluding spring lambs reported for 1910.....	643,889	812,427	-168,538	-20.7

¹ A minus sign (-) denotes decrease.

TABLE 26.—DOMESTIC ANIMALS NOT ON FARMS: 1920 AND 1910.

CLASS.	INCLOSURES REPORTING.		ANIMALS.			
	1920 (Jan. 1)	1910 (Apr. 15)	Number.		Increase. ¹	
			1920 (Jan. 1)	1910 (Apr. 15)	Num- ber.	Per cent.
Total.....	59,513	80,541				
Horses.						
Horses 1 year old and over on Jan. 1 of census year.....	34,354	66,437	59,619	120,632	-61,013	-50.6
			58,002	117,013	-59,251	-50.2
Mules.						
Mules 1 year old and over on Jan. 1 of census year.....	2,010	2,029	5,557	5,710	-153	-2.7
			5,328	5,508	-180	-3.3
Asses and burros.						
	137	181	229	243	-14	-5.8
Cattle.						
Cattle 1 year old and over on Jan. 1 of census year.....	26,983	23,167	45,276	54,157	-8,881	-16.4
			40,212	44,422	-4,210	-9.5
Sheep.						
	312	290	4,339	5,633	-1,294	-23.0
Goats.						
	321	607	671	922	-251	-27.2
Swine.						
	22,301	7,452	99,004	36,549	62,515	171.0

¹ A minus sign (-) denotes decrease.

TABLE 27.—TOTAL NUMBER OF DOMESTIC ANIMALS: 1920.

CLASS.	Total.	On farms.	Not on farms.
Horses.....	776,852	717,233	59,619
Horses 2 years old and over.....	703,744	646,228	57,516
Mules.....	105,915	100,358	5,557
Mules 2 years old and over.....	77,024	72,162	4,862
Asses and burros.....	1,440	1,211	229
Cattle.....	1,591,871	1,546,095	45,776
Beef cattle.....	605,992	599,694	6,298
Dairy cattle.....	985,379	946,401	38,978
Dairy cows.....	640,534	608,211	32,323
Sheep.....	643,889	643,889	4,339
Goats.....	8,543	7,872	671
Swine.....	3,856,199	3,767,135	99,064

LIVE-STOCK PRODUCTS.

Farm value of live-stock products: 1919 and 1909.

The Thirteenth Census schedule called for the total value as well as the total quantity of all live-stock products, whether sold or consumed on the farm. The 1909 values are therefore based directly on the reported figures. But in the Fourteenth Census schedule the question as to value in the case of dairy products, eggs, and chickens was restricted to the amounts sold. The 1919 value of butter made on farms has been computed on the basis of the average value received per pound for butter sold; the values of eggs produced and chickens raised have been computed in a similar way. The values of cheese made on farms and of honey and wax produced have been computed on the basis of average values per pound, secured through the Bureau of Crop Estimates of the Department of Agriculture. The method of obtaining these average values was the same as that used for securing average values for the important crops, which is described in a later paragraph.

Dairy products.—It is difficult to secure reports of the total quantity of milk produced during a given year, especially from farmers who keep cows chiefly to supply milk and butter for family use. Since such farmers usually keep no records, they are able to make only rough estimates of the milk production and frequently underestimate the quantity of milk produced for home use. Many farmers, too, either because they are unwilling to make any estimates or for other reasons, fail to report their milk production, even though they report butter or other dairy products as well as dairy cows.

For several decades past the Bureau of the Census has made estimates for such incomplete reports, where the farmer reported "cows kept for milk" but failed to report the amount of milk produced, these estimates being based on the average production per cow as shown by the complete reports. Since farmers with first-class dairy herds and up-to-date methods are more likely to make complete reports than those with cows of a lower grade, the estimates obtained in this way have probably been somewhat above the actual

production. With the new basis of classification for dairy cows in use for 1920, however, as already noted, the estimates should be more satisfactory than heretofore, since milk will be estimated only for cows kept mainly for milk production.

In the table which follows, both the actual reported quantity of milk produced and the estimated total are given. The latter includes, in addition to the milk reported, an estimate of the amount of milk produced on farms which reported dairy cows but failed to report any milk. A certain quantity of milk, on the other hand, was reported from farms which reported no dairy cows. This is included in the total and may represent either milk produced by beef cows milked a part of the year on farms having no dairy cows or milk produced on farms which kept dairy cows some time during the year 1919 but had none on January 1, 1920. It may be safely assumed that the returns for butter and cheese made on farms and for milk, cream, butter fat, and butter sold are much more nearly complete than in the case of milk produced. Hence no estimates have been made for these items.

TABLE 28.—DAIRY COWS ON FARMS, 1920; AND DAIRY PRODUCTS, 1919 AND 1909.

ITEM.	FARMS REPORTING.		Number or quantity.	Unit.	Value.
	Number.	Per cent of all farms.			
Dairy cows on farms Jan. 1, 1920, total.....	160,561	78.3	608,211	Head..	.....
On farms reporting milk produced.....	139,287	67.9	532,533	Head..	.....
On farms not reporting milk produced.....	21,274	10.4	75,678	Head..	.....
Average production of milk per dairy cow, 1919 ¹.....	.....	.....	354	Gals..	.....
Specified dairy products:	.....	.....	.....	.....	.....
Milk, as reported.....1919.....	.....	.....	212,003,849	Gals..	.....
.....1909.....	.....	.....	104,736,962	Gals..	.....
Increase, 1909-1919.....	.....	.....	17,266,887	Gals..	.....
Per cent of increase.....	.....	.....	8.9	.....	.....
Total production of milk, including estimates.....1919.....	.....	.....	238,793,861	Gals..	.....
Butter made.....1919.....	119,633	58.3	18,344,239	Lbs...	\$9,208,910
.....1909.....	158,508	73.6	43,181,817	Lbs...	\$9,402,994
Cheese made.....1919.....	575	0.3	109,234	Lbs...	\$39,325
.....1909.....	291	0.1	63,619	Lbs...	\$7,800
Milk sold.....1919.....	22,397	10.9	45,167,166	Gals..	\$12,612,103
.....1909.....	15,295	7.1	32,562,414	Gals..	\$4,717,136
Cream sold.....1919.....	39,305	19.2	5,907,414	Gals..	\$8,255,252
.....1909.....	6,847	3.2	1,347,660	Gals..	\$920,369
Butter fat sold.....1919.....	65,541	32.0	25,922,440	Lbs...	\$13,867,056
.....1909.....	13,711	6.4	6,361,831	Lbs...	\$1,618,075
Butter sold.....1919.....	37,809	18.4	6,438,298	Lbs...	\$3,268,875
.....1909.....	114,428	53.1	24,715,894	Lbs...	\$5,508,198
Value of milk, cream, and butter fat sold, and of butter and cheese made ².....1919.....	.....	.....	.....	.....	\$44,072,646
.....1909.....	.....	.....	.....	.....	\$10,666,374
Increase, 1909-1919.....	.....	.....	.....	.....	\$27,406,272
Per cent of increase.....	.....	.....	.....	.....	164.4
Receipts from sale of dairy products ³.....1919.....	.....	.....	.....	.....	\$38,003,286
.....1909.....	.....	.....	.....	.....	\$12,768,710
Increase, 1909-1919.....	.....	.....	.....	.....	\$25,234,576
Per cent of increase.....	.....	.....	.....	.....	197.6

¹ Based on the 1919 milk production as reported for dairy cows, and the number of dairy cows on hand Jan. 1, 1920.

² This item represents the total farm value of dairy products, excluding milk and cream consumed as such on the farm where produced.

³ Figures for 1919 do not include "cheese sold," as that item was not reported for 1919. The value of cheese sold in 1909 was \$4,932.

TABLE 29.—SHEEP ON FARMS, 1920 AND 1910; GOATS ON FARMS, 1920; AND WOOL AND MOHAIR PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Number of sheep (or goats) on hand.	WOOL (OR MOHAIR) PRODUCED.		
			Number of animals shorn.	Weight (pounds).	Value.
Sheep on farms Jan. 1, 1920, total.....	30,074	643,889	.....	.....	.....
On farms reporting wool.....	22,201	504,634	.....	.....	.....
On farms not reporting wool.....	7,873	139,255	.....	.....	.....
Sheep of shearing age ¹ on farms Apr. 15, 1910.....	37,570	812,427	.....	.....	.....
Wool produced, as reported, total.....1919.....	23,503	.....	469,119	3,363,889	\$1,906,384
On farms reporting sheep.....	22,201	.....	443,590	3,188,878	\$1,809,037
On farms not reporting sheep.....	1,302	.....	25,529	175,011	\$97,347
Total production of wool, including estimates.....1919.....	.....	.....	.....	4,069,378	\$2,319,545
.....1909.....	.....	.....	.....	5,360,044	\$1,532,914
Increase, 1909-1919 ².....	.....	.....	.....	-1,290,666	\$786,631
Per cent of increase ².....	.....	.....	.....	-24.1	51.3
Goats raised for fleeces, on farms Jan. 1, 1920.....	112	1,472	.....	.....	.....
Mohair produced, as reported, total.....1919.....	97	.....	1,368	5,215	\$2,582
.....1909.....	119	.....	.....	4,472	\$1,194

¹ Sheep born before Jan. 1, 1910.

² A minus sign (—) denotes decrease.

TABLE 30.—CHICKENS (OR FOWLS) ON FARMS, 1920 AND 1910; AND POULTRY PRODUCTS, 1919 AND 1909.

[The products shown for 1919 include chicken eggs and chickens only, while the 1909 figures include the products of all kinds of poultry.]

ITEM.	FARMS REPORTING.		Number or quantity.	Value.
	Number.	Per cent of all farms.		
Chickens on farms Jan. 1, 1920, total.....	194,239	94.7	Number. 16,754,293	.....
On farms reporting eggs produced.....	185,450	90.4	16,217,170	.....
On farms reporting chickens raised.....	170,377	83.1	15,232,574	.....
Fowls on farms Apr. 15, 1910.....	202,362	93.9	13,789,109	.....
Eggs produced, as reported.....1919.....	186,182	90.8	Dozens. 80,618,655	\$31,296,843
Total production of eggs, including estimates.....1919.....	.....	.....	83,101,293	32,409,504
.....1909.....	.....	.....	80,755,437	15,287,205
Eggs sold, as reported.....1919.....	176,084	85.8	59,953,361	23,254,964
.....1909.....	175,255	81.3	53,890,416	10,213,300
Chickens raised, as reported.....1919.....	171,024	83.4	Number. 20,657,095	18,579,920
Total chickens raised, including estimates.....1919.....	.....	.....	22,618,296	20,356,466
.....1909.....	.....	.....	23,067,814	10,726,137
Chickens sold, as reported.....1919.....	142,386	69.4	8,519,282	7,065,513
.....1909.....	145,852	67.7	8,127,981	4,823,074

TABLE 31.—BEES ON FARMS, 1920 AND 1910; AND HONEY AND WAX PRODUCED, 1919 AND 1909.

ITEM.	Farms reporting.	Hives of bees.	PRODUCT.	
			Quantity (pounds).	Value.
Bees on farms Jan. 1, 1920, total.....	15,942	87,045	.....	.....
On farms reporting honey.....	6,733	44,639	.....	.....
On farms not reporting honey.....	9,209	42,406	.....	.....
Bees on farms Apr. 15, 1910.....	19,487	80,938	.....	.....
Honey produced.....1919.....	6,774	.....	582,380	\$186,359
.....1909.....	7,733	.....	687,097	102,489
Wax produced.....1919.....	.....	.....	8,115	2,921
.....1909.....	.....	.....	15,115	3,225

CROPS.

Summary: 1919 and 1909.—This section summarizes the census data relative to all of the farm crops of 1919 and 1909, including the number of farms reporting each crop and the percentage of increase for the decade in acreage, production, and value.

In comparing one year with another it should be

borne in mind that the acreage of crops (or the number of fruit trees) and the number of farms reporting are on the whole a better index of the general changes or tendencies in agriculture than either the quantity or the value of the crops, since variations in quantity may be due mainly to favorable or unfavorable seasons, and variations in the value of the crops may result largely from changes in prices.

TABLE 32.—SUMMARY FOR ALL CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.				ACRES HARVESTED.			PRODUCTION.					
	Number.		Per cent of all farms.		1919	1909	Per cent of increase. ¹	Quantity.			Value.		
	1919	1909	1919	1909				Unit.	1919	1909	Per cent of increase. ¹	1919	1909
All crops					11,849,165	11,329,049	4.6					\$497,229,719	\$196,869,691
With acreage reports												479,774,238	191,771,114
With no acreage reports												17,455,481	5,098,577
Cereals, total					9,409,310	8,752,732	7.5	Bu.	262,354,380	231,488,700	-6.8	378,981,813	151,898,146
Corn	184,499	189,389	89.9	87.9	4,487,400	4,901,054	-9.1	Bu.	158,603,938	195,496,433	-18.9	229,975,713	98,437,988
Oats	101,522	101,199	49.6	47.0	1,718,748	1,667,818	3.1	Bu.	52,529,723	50,607,913	3.8	42,023,780	18,928,706
Wheat, total	123,043	104,273	60.0	48.4	2,798,667	2,082,835	34.4	Bu.	45,207,862	33,935,972	33.2	98,101,056	33,593,141
Winter	121,228	104,135	59.1	48.3	2,759,757	2,080,879	32.6	Bu.	44,796,296	33,901,949	32.1	97,207,962	33,589,918
Spring	2,068		1.4		38,900	1,956		Bu.	411,566	34,023		893,094	33,223
Emmer and spelt	2	54	(3)	(3)	214	223	-4.0	Bu.	6,968	4,276	63.0	11,497	2,256
Barley	10,496	1,896	5.1	0.9	74,239	10,188	628.7	Bu.	1,427,772	234,298	509.4	1,998,883	133,591
Rye	27,430	9,512	13.4	4.4	350,908	83,440	320.6	Bu.	4,432,091	1,121,589	295.2	6,648,162	743,782
Buckwheat	899	1,283	0.4	0.6	6,048	6,995	-13.5	Bu.	73,260	84,991	-13.8	113,558	56,617
Kafir and milo	46	54	(3)	(3)	335	179	87.2	Bu.	4,444	3,228	37.7	6,672	2,065
Mixed crops ²	278		0.1		2,761			Bu.	68,322			102,492	
Other grains and seeds with acreage reports, total ³					11,717	15,300	-23.4	Bu.	67,423	110,905	-39.2	348,532	172,878
Dry edible beans	2,124	1,982	1.0	0.9	3,016	1,721	75.2	Bu.	14,011	15,238	-8.1	81,264	30,929
Soy beans	684		0.3		2,807			Bu.	23,010			132,816	
Dry peas	960	1,652	0.5	0.8	5,775	13,082	-55.9	Bu.	29,405	88,254	-66.7	132,353	133,996
Peanuts	36	43	(3)	(3)	5	18		Bu.	127	624	-79.6	422	692
Flaxseed	8	7	(3)	(3)	13	39		Bu.	32	179	-82.1	100	245
Sunflower seed	13	66	(3)	(3)	101	430	-76.5	Bu.	838	6,330	-86.8	2,067	5,884
Seeds with no acreage reports, total ⁴								Bu.	202,052	165,488	22.1	4,439,160	793,455
Red clover seed	16,906		8.2					Bu.	120,446	108,359	30.3	3,402,939	713,950
Other clover and alfalfa seed	1,523		0.7					Bu.	20,733			580,524	
Timothy seed	1,259	629	0.6	0.3				Bu.	30,712	30,028	2.3	181,205	46,494
Other grass seed	113	87	0.1	(3)				Bu.	10,648	11,879	-65.4	137,536	15,812
Millet seed	51	66	(3)	(3)				Bu.	10,513	15,222	-30.9	42,052	8,795
Hay and forage, total ⁵	165,604	148,400	80.7	68.9	3,303,058	2,301,089		Tons.	5,133,742	2,882,822		79,874,640	24,902,395
All tame or cultivated grasses					1,813,087	1,089,830	-3.9	Tons.	2,176,050	2,397,576	-9.2	52,993,185	22,741,723
Timothy alone	70,308	97,160	34.3	45.1	807,501	1,200,380	-32.7	Tons.	910,677	1,442,213	-36.9	22,766,925	14,337,056
Timothy and clover mixed	50,667	34,774	24.7	16.1	650,045	426,376	52.6	Tons.	747,656	524,385	42.0	17,943,744	4,852,978
Clover alone	30,674	25,949	15.0	12.0	334,974	271,697	23.3	Tons.	356,255	314,813	13.2	8,183,865	2,549,101
Alfalfa	10,139	4,115	4.9	1.9	62,351	17,898	248.4	Tons.	107,485	40,320	166.6	3,117,065	435,807
Other tame grasses ⁶	7,310		3.6		58,218	73,479	-20.8	Tons.	58,977	75,835	-28.8	971,586	575,181
Wild, salt, or prairie grasses	1,766	2,489	0.9	1.2	21,165	60,859	-65.2	Tons.	21,053	63,226	-66.7	273,689	396,997
Small grains cut for hay	10,714		5.2		61,181			Tons.	65,399			1,307,680	
Annual legumes cut for hay	3,070	7,342	1.5	3.4	18,550	47,567	67.6	Tons.	18,361			403,942	
Silage crops	23,820		11.6		234,100			Tons.	1,616,509			13,740,355	
Corn cut for forage ⁷	97,174		47.4		1,048,464	202,716		Tons.	1,222,679	354,590		11,004,111	1,352,723
Kafir, sorghum, etc., for forage	1,049		0.5		6,662			Tons.	10,074			100,740	
Root crops for forage	267		0.1		447	97		Tons.	3,617	841	330.1	50,638	4,648
Vegetables, total								Bu.	2,477,034	8,905,679	-72.2	21,254,878	11,454,036
Potatoes (Irish or white)	93,596	140,803	45.6	65.3	62,192	99,604	-37.5	Bu.	2,477,034	8,905,679	-72.2	6,068,734	8,816,126
Sweet potatoes and yams	19,439	11,420	9.5	5.3	3,409	1,561	118.4	Bu.	195,515	178,300	9.7	479,015	139,888
Other vegetables ⁸	15,880	164,667	7.7	76.4	53,408	114,267						5,607,111	7,488,024
Farm garden ⁹	177,821		86.7									9,100,018	
Miscellaneous crops, total								Lbs.	18,752,202	21,387,824	-12.3	7,488,161	3,031,691
Tobacco	9,889	3,660	4.8	4.0	22,450	23,694	-5.2	Lbs.	18,752,202	21,387,824	-12.3	4,688,064	2,145,193
Sorghum grown for sirup	21,663	21,856	10.6	10.1	12,307	11,829	4.0	Tons.	52,210	77,600	-32.7	987,729	449,963
Sugar beets grown for sugar	622	68	0.3	(3)	4,119	690	497.0	Tons.	44,455	6,548	578.9	444,550	37,577
Maple sugar and sirup	4,345	5,422	2.1	2.5				Lbs.	245,782	153,259	60.4	448,289	300,755
Broom corn	973	335	0.5	0.2	613	323	89.8	Lbs.	195,600	395,467	-50.5	29,493	13,401
Hemp	9		(3)	(3)	289	335	-13.7	Lbs.	171,085	36,621	367.2	29,340	21,756
Mint (mint oil)	407	78	0.2	(3)	7,107	1,814	291.8	Lbs.				855,425	58,110
Sundry minor crops ¹⁰					18	12						5,271	4,872
Fruits and nuts, total								Qts.	6,812,972	7,424,831	-8.2	4,842,535	4,617,082
Small fruits	21,575		10.5		7,565	5,919	27.8					1,374,521	612,725
Other fruits and nuts												3,468,014	3,994,357

¹ A minus sign (—) denotes decrease. Per cent not shown when basels less than 100 or when per cent is more than 1,000.

² Excluding 1,048,464 acres reported for corn cut for forage, which is practically all duplicated in the acreage shown for corn harvested as grain.

³ Less than one-tenth of 1 per cent.

⁴ Principally oats and barley grown and harvested together.

⁵ The 1909 figures include a small quantity of broom-corn seed.

⁶ The total values include the value of small quantities of flower and vegetable seeds. The entire acreage from which the grass and clover seeds were secured is believed to be included in the acreage given elsewhere for hay and forage.

⁷ Corn cut for forage was not reported to any extent in 1909; hence no fair comparison between 1919 and 1909 can be made, either for the hay and forage totals or for the bracketed group in which corn cut for forage appears.

⁸ Includes millet and Hungarian grass.

⁹ The 1919 figures represent vegetables raised for sale only.

¹⁰ In 1909 the value of the farm garden was largely included in the value of "other vegetables."

¹¹ These crops comprise hops, willows, and ginseng.

¹² Includes the value of a small quantity of Japanese persimmons which are not shown in Table 39.

The combined acreage of crops harvested in Indiana in 1919 for which the acreage was reported was 11,849,165, which represents 71 per cent of the total improved land in farms (16,680,212 acres). The total crop acreage reported for 1909 was 11,329,049, or 66.9 per cent of the improved land in farms (16,931,252 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage of which was not reported.

In addition to the crops regularly harvested in 1919, as shown in the tables, there were reported 124,607 acres of mature crops grazed or "hogged off."

Farm value of crops.—At the census of 1920 the farm schedule called for the value of all farm property, including live stock, and the value of live-stock products sold.

In the case of farm crops, however, wherever a unit value could be used, such as the value per bushel or per ton, the farmer was asked to report the acreage and production of each crop but not the value. To supplement the information obtained from the farmers, the Bureau of Crop Estimates of the United States Department of Agriculture secured by special schedule from its crop reporters average values for such crops. These special schedules were tabulated by the Bureau of the Census, and the resulting averages, approved by the Bureau of Crop Estimates as representing a fair average of the farm value per unit, were used in computing most of the crop values presented in the accompanying tables.

For some products it was not possible to find any satisfactory unit on which to base a computation of the total value. Values were therefore obtained on the 1920 census schedule for vegetables, other than potatoes and sweet potatoes, and for the products of the farm garden.

TABLE 33.—ACREAGE OF IMPORTANT CROPS: 1879 TO 1919.

CROP.	1919	1909	1899	1889	1879.
Corn.....	4,457,400	4,901,054	4,490,249	3,586,190	3,878,420
Oats.....	1,718,748	1,667,818	1,617,885	1,102,479	623,531
Wheat.....	2,708,657	2,632,835	2,898,293	2,570,017	2,619,095
Barley.....	74,239	10,188	9,533	10,280	10,359
Rye.....	350,908	83,440	48,562	62,890	25,400
Hay and forage.....	13,308,056	2,301,069	2,442,414	2,330,504	1,274,364
Potatoes.....	62,102	69,504	84,245	113,509	

¹ Includes 1,048,464 acres in corn cut for forage. This crop was not included to any extent in the hay and forage totals prior to 1919.

TABLE 34.—PERCENTAGES AND AVERAGES FOR IMPORTANT CROPS: 1919 AND 1909.

CROP.	PER CENT OF IMPROVED LAND OCCUPIED.		AVERAGE YIELD PER ACRE.			AVERAGE VALUE PER ACRE.	
	1919	1909	Unit.	1919	1909	1919	1909
Corn.....	23.7	28.9	Bu....	35.6	39.9	\$51.59	\$20.09
Oats.....	10.3	9.9	Bu....	30.6	30.3	24.45	11.35
Wheat.....	16.8	12.3	Bu....	16.2	16.3	35.05	10.13
Barley.....	0.4	0.1	Bu....	19.2	23.0	26.92	13.11
Rye.....	2.1	0.5	Bu....	12.6	13.4	18.95	8.91
Hay and forage.....	19.8	13.6	Tons..	1.55	1.25	24.18	10.82
Potatoes.....	0.4	0.6	Bu....	39.8	89.5	97.58	38.35

TABLE 35.—VEGETABLES RAISED FOR SALE: 1919.

[Vegetables other than potatoes and sweet potatoes.]

CROP.	FARMS REPORTING.		Acres harvested.	Value of product.
	Number.	Per cent of all farms.		
Total.....	15,880	7.7	53,468	\$5,607,111
Beans (green).....	1,607	0.8	805	92,654
Beets.....	154	0.1	127	14,987
Cabbages.....	2,311	1.1	1,953	250,186
Cantaloupes and muskmelons.....	1,710	0.8	4,182	498,244
Calery.....	203	0.1	139	46,394
Corn (pop).....	136	0.1	766	24,483
Corn (sweet).....	3,066	1.5	10,101	488,257
Cucumbers.....	2,161	1.1	1,685	218,033
Lettuce.....	474	0.2	149	61,321
Onions.....	2,380	1.2	4,191	1,067,806
Peas (green).....	942	0.5	2,313	138,537
Tomatoes.....	8,469	4.1	20,790	1,690,374
Watermelons.....	2,050	1.0	4,850	446,902
All other vegetables.....			504	91,651
Mixed vegetables.....	229	0.1	913	177,222

TABLE 36.—SUGAR CROPS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres (or trees).	PRODUCTION.		
	Number.	Per cent of all farms.		Quantity.	Unit.	Value.
Maple sugar and sirup, total.....			Trees tapped.			
1919.....	4,345	2.1	558,368			\$448,280
1909.....	5,422	2.5	742,586			300,755
Sugar made.....				14,487	Lbs..	4,785
1919.....				33,419	Lbs..	3,950
Sirup made.....	311	0.1		107,360	Gals..	443,504
1919.....	5,408	2.5		273,728	Gals..	296,805
Sugar beets grown for sugar.....			Acres.			
1919.....	622	0.3	4,119	44,455	Tons..	444,550
1909.....	68	(¹)	690	6,548	Tons..	37,677
Sorghum grown for sirup.....						
1919.....	21,663	10.6	12,307	52,210	Tons..	
1909.....	21,856	10.1	11,829	77,600	Tons..	
Sirup made.....				681,190	Gals..	987,729
1919.....				965,086	Gals..	440,968

¹ Less than one-tenth of 1 per cent.

² Figures include estimates for incomplete reports.

TABLE 37.—SMALL FRUITS: 1919 AND 1909.

CROP.	FARMS REPORTING.		Acres harvested.	PRODUCTION.	
	Number.	Per cent of all farms.		Quantity (quarts).	Value.
Total.....1919..	21,575	10.5	7,565	6,812,972	\$1,374,521
.....1909..			5,919	7,424,831	612,725
Strawberries.....1919..	13,209	6.4	3,401	4,277,646	855,538
.....1909..	5,433	2.5	2,574	3,759,132	310,430
Raspberries.....1919..	6,062	3.0	1,988	1,251,652	287,883
Raspberries and loganberries.....1909..	4,104	1.9	1,412	1,595,921	140,204
Blackberries and dewberries.....1919..	5,813	2.8	1,965	1,087,317	195,716
.....1909..	5,213	2.4	1,347	1,482,909	113,822
Cranberries.....1919..	40	(¹)	3	2,679	427
.....1909..	3	(¹)	4	7,552	498
Currents.....1919..	1,099	0.5	56	56,742	13,049
.....1909..	2,690	1.2	165	208,049	16,901
Other berries.....1919..	2,242	1.1	152	136,936	21,908
.....1909..			417	371,268	31,370

¹ Less than one-tenth of 1 per cent.

TABLE 38.—FRUIT AND NUT TREES AND GRAPEVINES NOT OF BEARING AGE: 1920 AND 1910.

CROP.	FARMS REPORTING.				TREES OR VINES NOT OF BEARING AGE.	
	Number.		Per cent of all farms.			
	1920	1910	1920	1910	1920	1910
Orchard fruits, total ..	50,870	.....	24.8	.....	1,750,643	3,787,631
Apples.....	34,625	74,256	16.9	34.5	929,160	1,901,974
Peaches.....	23,586	46,962	11.5	21.8	568,046	1,145,479
Pears.....	13,600	33,809	6.6	15.7	68,150	229,648
Plums and prunes...	10,037	23,948	4.9	11.1	53,178	177,931
Cherries.....	20,991	35,271	10.2	16.4	132,006	251,959
Grapes.....	8,602	11,335	4.2	5.3	100,657	149,441
Nuts, total *	.....	.....	.....	.....	1,873	6,004
Almonds.....	5	1	(³)	(³)	11	1
Pecans.....	80	119	(³)	0.1	1,755	946
Walnuts (Persian or English).....	23	.....	(³)	.....	107	.....

¹ Includes apricots, quinces, and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² The 1910 figures include black walnuts and several other varieties of nuts not called for by the 1920 schedule.

³ Less than one-tenth of 1 per cent.

TABLE 39.—ORCHARD FRUITS, GRAPES, AND NUTS: 1919 AND 1909.

CROP.	FARMS REPORTING TREES OR VINES OF BEARING AGE.				NUMBER OF TREES OR VINES OF BEARING AGE.		PRODUCTION.				
	Number.		Per cent of all farms.				Quantity.			Value.	
	1920	1910	1920	1910	1920	1910	Unit.	1919	1909	1919	1909
Orchard fruits, total ¹	129,410		63.1		5,315,040	10,050,759	Bu....	1,218,286	4,713,537	\$2,999,519	\$3,709,275
Apples.....	126,647	153,104	61.7	73.4	3,427,816	5,764,821	Bu....	925,624	2,759,134	2,221,498	1,720,811
Peaches.....	43,492	115,090	21.2	53.4	860,024	2,130,298	Bu....	82,206	1,174,389	255,027	1,123,248
Pears.....	63,219	94,787	30.8	44.0	337,515	708,723	Bu....	109,463	319,925	218,926	243,698
Plums and prunes.....	40,487	71,077	19.7	33.0	214,202	506,988	Bu....	33,536	77,065	88,877	89,073
Cherries.....	82,504	108,180	40.3	50.2	475,333	815,742	Bu....	62,365	363,933	215,161	508,516
Grapes.....	70,861	73,892	34.5	34.3	744,043	1,049,232	Lbs...	6,612,804	12,817,353	462,899	287,707
Nuts, total ²					4,665	19,179	Lbs...	18,693	439,644	5,596	7,344
Almonds.....	1	2	(³)	(³)	4	2	Lbs...	2	20	1	2
Pecans.....	198	280	0.1	0.1	4,590	4,883	Lbs...	18,440	19,237	5,532	1,940
Walnuts (Persian or English)...	8		(³)		71		Lbs...	251		63	

¹ Includes apricots, quinces, and (for 1910) mulberries. Since these fruits were not specifically called for by the 1920 schedule, the returns for that year are somewhat incomplete.

² The figures for 1910 and 1909 include black walnuts and several other varieties of nuts not called for by the 1920 schedule.

³ Less than one-tenth of 1 per cent.

Age of farmers.—A farmer or farm operator, as defined for census purposes, is a person who operates a farm. The number of farm operators, for which the age distribution is shown in the following table, is therefore the same as the number of farms.

TABLE 40.—FARM OPERATORS CLASSIFIED ACCORDING TO AGE AND TENURE: 1920 AND 1910.

AGE.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total..	205,126	215,485	137,210	148,501	2,329	2,297	65,587	64,687
Reporting age.....	202,189	214,306	135,137	147,612	2,271	2,260	64,731	64,434
Under 25 years.....	8,335	10,019	1,942	2,147	187	212	6,206	7,660
25 to 34 years.....	39,082	41,449	15,081	17,409	604	642	23,397	23,398
35 to 44 years.....	47,704	53,043	29,196	35,471	644	668	17,804	16,904
45 to 54 years.....	47,925	52,035	36,867	41,407	489	448	10,569	10,180
55 to 64 years.....	36,926	35,818	31,769	30,887	257	209	4,900	4,722
65 years and over.....	22,167	21,942	20,282	20,291	90	81	1,795	1,570
Not reporting age.....	2,987	1,179	2,073	889	58	37	856	253

Farmers classified by number of years on farm.—In the following table the farmers of the state are classified according to the number of years they had been on the farms which they were operating when the census was taken. The purpose of this classification is to show the relative stability of the different classes.

In 1920 the date of enumeration (January 1) came just before the period during which changes from one farm to another are commonly made in most localities, and hence at a time when many farmers had almost, but not quite, completed one, two, or more years on their farms. Considerable numbers of these farmers reported one, two, or more full years, in place of reporting the correct number of months (or years and months). In 1910, however, the enumeration date (April 15) was late enough so that, in localities where the common moving time was in the early part of the year, the number of years of occupancy was accurately reported. These differences seriously affect the comparability of the returns, especially for the first two years of occupancy. Hence these two years, which were tabulated separately and are so published in Volume V of the Fourteenth Census Reports, have been combined in the following table.

TABLE 41.—FARM OPERATORS CLASSIFIED ACCORDING TO NUMBER OF YEARS ON FARM, BY TENURE: 1920 AND 1910.

NUMBER OF YEARS ON FARM.	TOTAL.		OWNERS.		MAN-AGERS.		TENANTS.	
	1920	1910	1920	1910	1920	1910	1920	1910
All farmers, total..	205,126	215,485	137,210	148,501	2,329	2,297	65,587	64,687
Rptg. years on farm.....	200,784	197,009	134,817	132,068	2,173	2,140	63,794	61,901
Less than 2 years.....	38,751	43,871	16,588	15,952	931	1,019	21,200	26,900
2 to 4 years.....	40,910	41,967	20,032	22,262	665	595	20,213	19,150
5 to 9 years.....	35,757	35,887	23,340	26,006	294	310	12,123	9,571
10 years and over.....	89,366	78,284	74,857	68,768	251	240	10,258	6,280
Not reporting.....	4,842	18,476	2,393	16,533	156	157	1,793	2,786

Cooperative marketing and purchasing.—Cooperative marketing of farm products or cooperative purchasing of supplies through farmers' organizations in 1919 was reported by 19,212 farms in Indiana, including 5,445 farms which reported both sales and purchases, 9,193

farms which reported sales only, and 4,574 farms which reported purchases only.

TABLE 42.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: 1919.

ITEM.	FARMS REPORTING.		AMOUNT.	
	Number.	Per cent of all farms.	Total.	Average per farm.
Marketing or purchasing.....	19,212	9.4	.....	.....
Marketing.....	14,638	7.1	\$12,778,040	\$873
Purchasing.....	10,019	4.9	1,766,268	176

Farm facilities—Motor vehicles, telephones, water, and light on farms.—The following table indicates the extent to which the farmers of Indiana used motor vehicles and telephones, and the extent to which the farm homes were supplied with water and modern lighting facilities.

TABLE 43.—MOTOR VEHICLES, TELEPHONES, WATER, AND LIGHT ON FARMS: 1920.

ITEM.	FARMS REPORTING.		Number reported.	Number per 1,000 of all farms.
	Number.	Per cent of all farms.		
Automobiles.....	95,238	46.4	102,122	498
Motor trucks.....	3,501	1.7	3,671	18
Tractors.....	8,871	4.3	9,230	45
Telephones.....	130,140	66.4	.....	.....
Water piped into house.....	23,476	11.4	.....	.....
Gas or electric light.....	20,584	10.0	.....	.....

Pure-bred live stock on farms.—The inquiry relating to pure-bred live stock called for registered animals only, but it seems evident, from a study of the returns, that some animals merely eligible for registry (but not actually registered) were included in the reports.

The number of farms in Indiana in 1920 was 205,126, of which number 197,929 reported domestic animals of some kind, and 31,127 reported pure-bred live stock.

TABLE 44.—PURE-BRED LIVE STOCK CLASSIFIED ACCORDING TO BREED: 1920.

NOTE.—Pure-bred horses reported in Indiana represented 0.7 per cent of all horses on farms (see Table 23); pure-bred cattle, 3.3 per cent of the total; pure-bred sheep, 1.4 per cent; and pure-bred swine, 4.3 per cent.

BREED.	Number.	BREED.	Number.
Horses, total.....	5,265	Sheep, total.....	9,282
American Saddle.....	20	Cheviot.....	83
Belgian.....	1,162	Dorset Horn.....	250
Clydesdale.....	221	Hampshire Down.....	720
French Draft.....	155	Lincoln.....	29
German Conch.....	24	Merino.....	185
Percheron.....	2,796	Oxford.....	628
Shire.....	157	Rambouillet.....	333
Standard Bred.....	322	Shropshire.....	5,743
Thoroughbred.....	45	Southdown.....	110
All other breeds ¹	363	Suffolk.....	11
		All other breeds ¹	1,185
Cattle, total.....	50,624		
Beef breeds, total.....	29,509	Swine, total.....	159,696
Aberdeen Angus.....	4,807	Berkshire.....	2,104
Galloway.....	21	Chester White.....	12,493
Hereford.....	6,615	Duroc-Jersey.....	46,364
Polled Durham.....	1,183	Hampshire.....	6,858
Shorthorn.....	16,147	Poland China.....	60,788
All other beef breeds ¹	730	Spotted Poland China.....	21,123
Dairy breeds, total.....	21,115	Tamworth.....	77
Ayrshire.....	509	Yorkshire.....	27
Brown Swiss.....	131	All other breeds ¹	3,864
Guernsey.....	1,215		
Holstein-Friesian.....	8,477		
Jersey.....	9,921		
All other dairy breeds ¹	862		

¹ Includes animals reported as pure bred, with breed not specified.

Calves, pigs, and lambs raised on farms.—The figures presented include young animals born in 1919, which were retained on the farm, sold to others, or slaughtered for food, but do not include young animals purchased or those that died.

TABLE 45.—CALVES, PIGS, AND LAMBS RAISED ON FARMS: 1919.

ITEM.	FARMS REPORTING.		ANIMALS RAISED.	
	Number.	Per cent of all farms.	Number.	Average per farm.
Calves.....	102,535	79.2	620,830	3.8
Pigs.....	146,075	71.2	4,646,894	31.8
Lambs.....	21,434	10.4	350,658	16.4

Domestic animals sold or slaughtered on farms.—The number of cattle, swine, and sheep slaughtered on farms was reported for both 1919 and 1909, but the farm schedule for 1919 carried no inquiry with regard to the value of the animals slaughtered, or with regard to the number or value of the animals sold by farmers. The total value of domestic animals sold or slaughtered on farms in Indiana in 1919 has been estimated, however, at \$171,100,000, as compared with \$92,896,132, the value reported for 1909.

TABLE 46.—DOMESTIC ANIMALS SLAUGHTERED ON FARMS: 1919 AND 1909.

ITEM AND CENSUS YEAR	FARMS REPORTING.		ANIMALS SLAUGHTERED.		Meat and meat products sold (pounds).
	Number.	Per cent of all farms.	Number.	Average per farm.	
Cattle and calves.....1919..	26,830	13.1	42,304	1.6	4,749,380
.....1909..	189,389	6.9	48,853	1.8	
Cattle.....1909..	14,877	2.5	27,122	4.0	
Calves.....1909..	5,474		21,731		
Swine.....1919..	163,011	79.5	579,941	3.6	7,861,970
.....1909..	152,287	70.7	646,581	4.2	
Sheep and lambs.....1919..	1,045	0.5	1,855	1.8	24,737
.....1909..	951	0.4	3,714	3.9	

Sales of selected crops.—The sales of the crops listed represent that part of the year's production which was sold, or to be sold, by those farmers who produced the crops.

TABLE 47.—PRODUCTION AND SALES OF SELECTED CROPS: 1919 AND 1909.

CROP AND CENSUS YEAR.	Farms reporting production.	FARMS REPORTING SALES.		Production.	QUANTITY SOLD (OR TO BE SOLD).	
		Number.	Per cent of farms reporting production.		Amount.	Per cent of production.
Corn.....1919..	184,499	39,617	21.5	Bushels. 153,603,938	Bushels. 26,832,498	16.9
.....1909..	189,389	65,431	34.5	195,496,433	37,773,249	19.3
Oats.....1919..	101,522	37,298	36.7	52,529,723	20,978,977	39.9
.....1909..	101,199	49,488	48.9	50,607,913	21,099,983	41.7
Barley.....1919..	10,496	914	8.7	1,427,772	135,413	9.5
.....1909..	1,896	243	12.8	234,208	30,196	12.9
Hay.....1919..				Tons. 2,280,863	Tons. 313,670	13.8
.....1909..				2,527,391	424,680	16.8
Potatoes.....1919..	93,596	8,717	9.3	Bushels. 2,477,034	Bushels. 497,072	20.1
Apples.....1919..		5,395		925,624	388,013	41.9

Fruit products of farms.—The figures relate only to fruit products obtained from fruit grown on those farms reporting the products.

TABLE 48.—FRUIT PRODUCTS (FARM PRODUCTION): 1919 AND 1909.

ITEM.	Farms reporting.	Production.
Cider.....1919..	2,650	Gallons. 126,878
.....1909..	16,039	1,491,911
Cider made (or to be made) into vinegar.....1919..	1,661	54,576
Vinegar made on farms ¹.....1909..	9,348	431,187
Grape juice.....1919..	1,167	9,778
Wine and grape juice.....1909..	4,783	130,976
Dried fruits.....1919..	894	Pounds. 24,409
.....1909..	1,870	62,196

¹ Includes vinegar other than that made from cider.

Forest products of farms.—Forest products, as defined on the farm schedule, include firewood, fence posts, crossties, pulp wood, saw logs, poles, etc., and standing timber sold and cut during the years indicated. The figures cover only forest products of farms and do not represent by any means the total value of all forest products cut in the state during the census years.

TABLE 49.—FOREST PRODUCTS OF FARMS: 1919 AND 1909.

ITEM.	1919	1909
Forest products of farms:		
Farms reporting.....	52,358	75,397
Per cent of all farms.....	25.5	35.0
Value.....	\$10,955,856	\$5,603,322
Average per farm reporting.....	\$209	\$74
Forest products sold from farms (or cut and held for sale):		
Farms reporting.....	15,711	
Value.....	\$6,417,267	\$2,623,444
Average per farm reporting.....	\$408	
Forest products used on farms (or cut and held for use):		
Farms reporting.....	46,071	
Value.....	\$4,538,589	\$2,979,878
Average per farm reporting.....	\$99	

Nurseries and greenhouses.—The data presented for nurseries include the returns from all farms and establishments reporting receipts from the sale of nursery stock, and those for greenhouses include the returns from all farms and establishments reporting receipts from the sale of greenhouse products (whether grown in hothouses or in cold frames).

TABLE 50.—NURSERIES AND GREENHOUSES: 1919 AND 1909.

ITEM.	1919	1909
Nurseries:		
Number of nurseries (farms and establishments) reporting.....	123	164
Acreage used for growing nursery stock.....	1,330	1,850
Receipts from sale of products.....	\$409,475	\$411,357
Average receipts per nursery.....	\$3,329	\$2,508
Average receipts per acre.....	\$307.83	\$222.37
Greenhouses:		
Number of farms and establishments reporting.....	675	367
Square feet under glass.....	7,229,333	3,741,269
Receipts from sale of products.....	\$3,056,094	\$1,212,891
Flowers and flowering plants.....	\$2,383,787	
Vegetables and vegetable plants.....	\$67,307	
Average receipts per farm or establishment.....	\$4,523	\$3,305

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

	THE STATE.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.
ALL FARMS.							
1 Number of farms, 1920.....	205,126	2,328	4,221	2,043	1,255	1,126	3,011
2 1910.....	215,485	2,353	4,331	2,127	1,271	1,152	3,320
3 1900.....	221,897	2,462	4,862	2,431	1,351	1,395	3,531
4 All farmers classified by sex, 1920:							
5 Male.....number..	198,867	2,248	4,132	1,992	1,230	1,101	2,934
6 Female.....number..	6,259	80	89	51	25	25	77
7 Color and nativity of all farmers, 1920:							
8 Native white.....number..	198,156	2,160	3,982	1,993	1,164	1,103	2,995
9 Foreign-born white.....number..	6,308	168	239	48	91	23	11
10 Negro and other nonwhite.....number..	572			2			5
11 All farms classified by size, 1920:							
12 Under 3 acres.....number..	537	3	10	1	3	3	24
13 3 to 9 acres.....number..	9,433	57	243	63	13	58	165
14 10 to 19 acres.....number..	9,946	59	192	71	18	52	132
15 20 to 49 acres.....number..	34,949	409	559	316	33	201	630
16 50 to 99 acres.....number..	65,066	1,022	1,640	588	158	401	1,074
17 100 to 174 acres.....number..	57,895	646	1,242	655	440	324	760
18 175 to 259 acres.....number..	18,354	114	263	237	802	60	170
19 260 to 499 acres.....number..	7,911	16	62	107	257	25	54
20 500 to 999 acres.....number..	905	2	8	25	20	2	2
21 1,000 acres and over.....number..	130		2		2		
LAND AND FARM AREA.							
22 Approximate land area, 1920.....acres..	23,068,800	215,680	423,040	260,480	261,120	107,520	273,280
23 Land in farms, 1920.....acres..	21,063,332	206,981	391,772	242,768	253,194	101,409	255,620
24 1910.....acres..	21,239,823	208,802	396,312	244,900	252,332	98,373	264,558
25 1900.....acres..	21,619,623	209,576	397,235	254,051	249,004	103,823	264,150
26 Improved land in farms, 1920.....acres..	16,080,212	181,678	321,262	196,389	239,857	87,004	223,674
27 1910.....acres..	16,931,252	178,358	314,044	200,450	245,329	83,819	223,205
28 1900.....acres..	16,080,358	170,694	294,859	202,272	237,650	83,555	223,691
29 Woodland in farms, 1920.....acres..	3,141,042	21,574	53,787	33,719	5,529	12,640	29,793
30 Other unimproved land in farms, 1920.....acres..	1,242,078	3,729	16,743	12,660	7,808	1,225	2,153
31 Per cent of land area in farms, 1920.....	91.3	96.0	92.6	93.2	97.0	94.4	93.5
32 Per cent of farm land improved, 1920.....	79.2	87.8	82.0	80.9	94.7	86.3	87.5
33 Average acreage per farm, 1920.....	102.7	85.9	92.8	118.8	201.7	90.1	84.9
34 Average improved acreage per farm, 1920.....	81.3	78.0	76.1	96.1	191.1	77.8	74.3
VALUE OF FARM PROPERTY.							
35 All farm property, 1920.....dollars..	3,042,311,247	40,329,464	77,364,928	33,481,808	65,330,700	17,431,811	60,306,084
36 1910.....dollars..	1,809,135,238	23,152,087	43,085,476	21,010,313	37,924,011	9,065,752	35,656,025
37 1900.....dollars..	978,616,471	11,166,044	22,304,205	12,347,482	17,922,499	5,241,752	10,492,701
38 Land in farms, 1920.....dollars..	2,202,566,336	28,482,149	55,039,319	24,832,205	56,042,124	12,760,549	45,041,084
39 1910.....dollars..	1,323,196,545	16,014,333	29,636,826	16,580,245	32,517,953	8,415,554	27,280,790
40 1900.....dollars..	987,633,400	7,384,590	14,565,350	9,199,790	14,228,890	3,746,880	11,515,900
41 Farm buildings, 1920.....dollars..	451,077,937	6,804,255	13,178,164	4,387,110	4,637,225	2,517,235	7,508,437
42 1910.....dollars..	266,079,051	4,144,250	8,434,320	2,456,608	2,611,006	1,398,330	4,485,470
43 1900.....dollars..	184,101,880	1,986,070	4,707,820	1,765,550	1,538,230	723,140	2,339,900
44 Implements and machinery, 1920.....dollars..	127,403,086	1,818,622	3,681,662	1,397,268	1,570,412	708,203	1,901,067
45 1910.....dollars..	40,699,541	605,344	1,242,098	419,814	610,445	208,837	615,195
46 1900.....dollars..	27,330,370	449,030	738,620	313,830	318,569	144,050	419,500
47 Live stock on farms, 1920.....dollars..	261,294,188	3,224,438	5,456,783	2,804,725	3,080,939	1,445,824	4,955,490
48 1910.....dollars..	173,800,101	2,388,100	3,772,232	1,548,146	2,178,007	1,048,031	3,274,570
49 1900.....dollars..	109,550,761	1,846,384	2,292,016	1,068,612	1,539,819	627,682	2,187,401
50 Average values, 1920:							
51 All property per farm.....dollars..	14,831	17,324	18,329	16,388	52,050	15,481	20,029
52 Land and buildings per farm.....dollars..	12,937	15,167	16,161	14,802	48,350	13,568	17,761
53 Land alone per acre.....dollars..	104.57	137.61	140.49	102.29	221.34	125.70	179.72
FARMS OPERATED BY OWNERS.							
54 Number of farms, 1920.....	137,210	1,530	2,849	1,380	476	717	1,817
55 1910.....	148,501	1,658	3,087	1,474	544	711	2,223
56 1900.....	159,227	1,817	3,197	1,735	741	878	2,493
57 Per cent of all farms, 1920.....	68.9	65.7	67.5	67.5	37.9	63.7	60.3
58 Land in farms, 1920.....acres..	12,870,464	132,562	246,753	152,400	87,691	58,208	138,576
59 Improved land in farms, 1920.....acres..	10,025,072	116,429	200,985	121,156	81,902	50,785	121,887
60 Value of land and buildings, 1920.....dollars..	1,507,785,478	22,758,489	43,483,627	17,035,069	21,581,004	8,880,184	29,663,506
61 Degree of ownership, 1920:							
62 Farmers owning entire farm.....number..	112,664	1,330	2,230	1,039	344	548	1,479
63 Farmers hiring additional land.....number..	24,546	200	619	341	132	109	338
64 Color and nativity of owners, 1920:							
65 Native white owners.....number..	131,737	1,389	2,647	1,336	699	699	1,805
66 Foreign-born white owners.....number..	5,167	141	202	43	37	18	8
67 Negro and other nonwhite owners.....number..	306			1			4
FARMS OPERATED BY MANAGERS.							
68 Number of farms, 1920.....	2,329	16	45	24	34	7	17
69 1910.....	2,207	8	44	19	44	14	13
70 1900.....	2,222	9	48	31	20	18	33
71 Land in farms, 1920.....acres..	472,916	2,126	6,852	5,296	7,347	1,708	2,440
72 Improved land in farms, 1920.....acres..	346,707	1,891	5,481	4,188	7,292	1,369	2,106
73 Value of land and buildings, 1920.....dollars..	65,509,416	419,140	1,413,370	761,280	1,953,200	256,700	529,900
FARMS OPERATED BY TENANTS.							
74 Number of farms, 1920.....	65,587	782	1,327	639	745	402	1,177
75 1910.....	64,687	687	1,200	634	683	427	1,084
76 1900.....	63,448	636	1,117	665	590	490	1,065
77 Per cent of all farms, 1920.....	32.0	33.6	31.4	31.3	59.4	35.7	39.1
78 Land in farms, 1920.....acres..	7,719,952	72,293	138,167	85,072	158,156	41,553	114,604
79 Improved land in farms, 1920.....acres..	6,307,633	63,358	114,796	71,045	150,573	35,450	99,681
80 Value of land and buildings, 1920.....dollars..	1,080,849,079	12,108,775	23,320,486	11,422,966	37,144,545	6,134,900	23,266,115
81 Form of tenancy, 1920:							
82 Share tenants.....number..	48,473	543	891	542	366	262	703
83 Share-cash tenants.....number..	3,800	4	39	8	284	18	98
84 Cash tenants.....number..	10,615	201	386	55	74	106	340
85 Unspecified.....number..	2,699	34	11	34	21	16	36
86 Color and nativity of tenants, 1920:							
87 Native white tenants.....number..	64,168	757	1,294	633	692	397	1,173
88 Foreign-born white tenants.....number..	1,187	25	33	5	53	5	3
89 Negro and other nonwhite tenants.....number..	252			1			1

WITH SELECTED ITEMS FOR 1910 AND 1900.

Brown.	Carroll.	Cass.	Clark.	Clay.	Clinton.	Crawford.	Davless.	Dearborn.	Decatur.	De Kalb.	Delaware.	Dubois.	
1,458	2,075	2,395	2,002	2,414	2,389	1,810	2,602	2,145	1,910	2,461	2,803	2,261	1
1,501	2,239	2,443	2,186	2,536	2,724	1,861	2,759	2,246	1,923	2,518	2,918	2,242	2
1,825	2,429	2,656	2,007	2,489	2,974	1,905	3,003	2,114	1,944	2,578	2,871	2,238	3
1,379	2,028	2,355	1,912	2,326	2,325	1,755	2,505	2,026	1,840	2,407	2,735	2,153	4
79	47	40	90	88	64	55	97	119	70	54	68	108	5
1,442	2,065	2,356	1,916	2,325	2,380	1,797	2,574	2,089	1,872	2,389	2,772	2,201	6
16	10	37	76	88	8	13	22	69	37	72	27	59	7
		2	10	1	1		6	7	1		4	1	8
1	5		3	1	1	1	3	5	4	3	7	38	9
35	75	59	63	173	81	38	148	124	109	81	146	51	10
43	70	90	105	175	89	47	172	87	84	82	155	70	11
271	280	399	335	531	339	353	468	334	223	334	557	262	12
468	633	796	610	747	844	628	750	823	525	1,021	1,030	554	13
409	697	753	603	509	706	530	714	626	603	754	696	921	14
152	227	210	185	168	259	159	243	112	228	104	161	287	15
66	80	85	81	55	63	45	97	29	122	31	47	75	10
13	2	14	3	5	7	9	6		11	1	4	3	17
		1					1		1				18
207,360	241,280	266,240	240,000	231,040	261,120	193,920	277,120	200,320	241,920	236,800	250,880	273,280	19
169,807	226,389	250,078	212,414	204,441	248,433	180,127	256,892	190,044	231,113	220,815	237,295	258,785	20
160,793	227,830	249,838	216,868	212,461	253,853	181,483	253,412	185,405	223,171	221,903	240,483	262,576	21
178,071	231,616	251,591	216,526	212,036	251,246	177,552	259,044	182,681	229,899	222,181	240,696	266,195	22
81,389	195,457	207,084	141,149	161,703	226,600	94,144	223,446	139,595	188,384	181,510	205,652	178,056	23
91,489	194,253	206,625	151,879	169,494	227,195	95,699	220,511	135,454	184,284	178,649	210,349	180,627	24
104,504	188,340	200,115	162,048	185,553	218,544	103,112	223,610	138,129	184,309	173,756	205,970	178,818	25
57,412	23,597	33,742	51,052	30,666	20,027	67,637	24,829	25,966	28,616	29,378	24,729	64,920	26
21,066	7,335	8,652	20,213	12,072	1,806	18,346	8,617	24,453	14,113	9,927	6,914	15,769	27
77.1	93.8	93.9	88.5	88.5	95.1	92.9	92.7	94.9	95.5	93.2	94.6	94.7	28
50.9	80.3	83.0	66.4	79.1	91.2	52.3	87.0	73.5	81.5	82.2	86.7	88.8	29
109.6	109.1	104.4	106.1	84.7	104.0	99.5	98.7	88.6	121.0	89.7	84.7	114.4	30
55.8	94.2	86.7	70.5	67.0	94.9	52.0	85.9	65.1	98.6	73.8	73.4	78.8	31
4,901,977	50,340,009	45,878,829	14,770,881	19,503,806	64,692,063	6,471,201	27,354,434	16,477,293	36,176,403	33,806,574	48,338,249	15,532,413	32
3,402,355	27,321,014	27,144,230	9,598,539	13,605,177	36,696,785	3,866,499	18,700,394	9,894,103	18,840,847	19,722,685	26,710,122	10,008,080	33
2,416,050	13,320,569	14,093,982	6,865,269	9,094,615	16,450,013	2,262,796	9,185,209	6,553,476	10,522,280	11,150,664	15,015,441	6,784,838	34
2,755,405	38,576,015	33,796,011	9,247,685	12,447,455	50,340,805	3,433,432	19,890,862	9,337,721	25,766,845	20,791,657	35,025,434	9,619,380	35
2,050,009	21,327,441	20,123,681	6,206,585	9,238,782	28,736,881	2,129,155	13,932,375	5,642,730	13,501,838	12,630,468	20,006,223	6,624,599	36
1,446,560	9,504,940	9,913,850	4,604,390	6,400,540	11,770,780	1,267,360	6,539,430	3,845,130	7,328,110	7,202,220	10,636,220	4,368,820	37
1,055,230	6,045,217	6,689,044	2,762,370	3,707,690	7,295,524	1,459,900	3,652,973	4,177,755	5,337,200	7,271,632	7,057,310	3,043,930	38
683,405	3,060,140	3,620,115	1,983,807	2,400,955	4,074,362	876,173	2,293,390	2,636,155	2,895,380	4,349,721	3,649,276	1,850,240	39
431,130	1,952,510	2,251,140	1,329,000	1,441,540	2,343,140	488,030	1,197,660	1,762,430	1,598,360	2,334,010	2,188,970	1,355,490	40
268,780	1,956,458	1,830,153	790,226	1,189,990	2,332,235	389,179	1,096,400	1,057,218	1,574,042	2,202,846	1,745,129	951,491	41
120,053	591,143	608,433	291,671	307,656	702,173	173,203	407,827	402,393	410,702	704,616	444,142	314,172	42
102,700	346,110	396,630	223,550	271,120	451,440	115,390	271,750	265,750	284,880	387,940	339,940	282,270	43
822,562	3,769,379	3,683,021	1,970,600	2,158,801	4,617,498	1,186,630	2,798,194	1,904,599	3,498,376	3,041,036	4,510,376	1,817,612	44
578,828	2,336,890	2,486,999	1,117,526	1,447,534	3,123,369	687,962	2,061,802	1,212,915	1,972,927	2,037,880	2,619,491	1,219,069	45
435,569	1,463,009	1,537,402	703,329	981,415	1,834,653	404,016	1,126,369	680,166	1,310,930	1,220,494	1,809,781	778,398	46
3,362	24,261	19,156	7,373	8,079	27,037	3,575	10,513	7,682	18,941	13,634	17,245	6,870	47
2,614	21,506	18,854	6,998	6,692	24,125	2,703	6,019	6,301	16,235	11,403	15,013	6,601	48
17.24	170.40	135.14	43.54	60.89	202.66	19.08	77.45	49.13	111.49	94.16	147.60	37.18	49
1,169	1,229	1,418	1,615	1,779	1,341	1,547	1,779	1,621	1,350	1,619	1,806	1,964	50
1,221	1,366	1,570	1,838	1,944	1,635	1,593	1,661	1,642	1,320	1,722	1,841	1,920	51
1,485	1,553	1,744	1,951	1,784	1,784	1,532	1,693	1,632	1,430	1,611	1,808	1,914	52
80.2	69.2	69.2	80.7	73.7	66.1	85.5	68.4	75.6	70.7	65.5	64.4	86.9	53
125,221	110,063	131,798	164,726	141,475	123,137	153,979	160,811	139,601	145,592	135,260	138,740	226,495	54
64,054	103,370	111,415	112,171	111,356	111,421	80,632	139,240	103,066	117,530	111,785	120,379	154,047	55
2,038,935	23,094,965	21,758,168	9,419,600	11,146,420	20,301,833	4,164,829	14,209,631	9,014,371	19,071,252	17,377,092	24,649,074	10,860,510	56
1,062	884	1,183	1,480	1,350	1,063	1,367	1,362	1,404	1,171	1,290	1,494	1,826	57
107	345	235	135	420	278	180	417	127	179	823	312	138	58
1,153	1,222	1,387	1,534	1,699	1,333	1,534	1,754	1,555	1,317	1,548	1,781	1,906	59
16	7	31	73	79	7	13	21	64	83	65	24	57	60
			8	1	1		4	2			1	1	61
16	17	30	13	21	37	8	27	23	13	15	30	14	62
18	16	23	25	22	22	8	19	22	13	14	24	15	63
12	39	27	36	19	56	31	17	8	8	19	47	7	64
3,048	2,658	4,772	4,257	3,007	4,312	1,133	5,074	3,113	2,202	2,121	4,357	1,809	65
1,184	2,237	3,553	1,775	2,533	4,017	695	4,608	2,451	1,896	1,597	3,844	1,253	66
193,400	564,040	810,246	235,550	274,100	1,087,815	44,700	619,100	201,600	393,400	280,400	761,975	115,700	67
273	329	947	374	614	1,011	255	796	501	547	833	967	233	68
262	857	850	523	620	1,067	260	779	532	581	782	1,053	307	69
328	832	835	450	688	1,134	312	993	474	497	648	926	317	70
18.7	40.0	39.5	18.7	25.4	42.3	14.1	30.6	23.4	28.6	33.8	34.5	12.5	71
31,698	104,668	113,503	43,431	59,959	120,984	25,015	91,007	47,240	83,319	83,434	94,193	30,431	72
16,151	89,550	92,716	27,203	47,814	111,162	12,787	79,600	34,049	68,958	68,128	81,429	21,856	73
678,900	20,065,827	17,796,641	2,380,905	4,735,525	27,252,631	683,803	8,631,159	3,399,505	11,639,393	10,405,197	10,671,095	1,687,100	74
183	715	798	289	392	896	208	621	341	333	675	649	213	75
1	18	28	2	57	24	1	34	23	15	9	36	2	76
50	87	74	83	131	87	71	71	87	114	147	219	60	77
39	9	47		34	4	28	70	50	35	1	63	8	78
273	826	941	371	605	1,010	255	793	492	544	826	961	281	79
	3	4	2	9			1	4	3	7	3	2	80
		2	1				2	5			3		81

	Elkhart.	Fayette.	Floyd.	Fountain.	Franklin.	Fulton.	Gibson.	Grant.
ALL FARMS.								
1 Number of farms..1920.....	3,181	1,081	1,252	1,915	2,067	2,241	2,563	2,950
2 ".....1910.....	3,188	1,126	1,216	2,098	2,113	2,343	2,882	2,886
3 ".....1900.....	3,364	1,068	1,213	2,225	2,136	2,404	2,973	2,935
4 All farmers classified by sex, 1920:								
5 Male.....number.....	3,080	1,052	1,184	1,867	2,002	2,176	2,513	2,863
6 Female.....number.....	101	29	68	48	65	65	50	87
7 Color and nativity of all farmers, 1920:								
8 Native white.....number.....	3,038	1,071	1,160	1,888	2,021	2,210	2,457	2,885
9 Foreign-born white.....number.....	91	10	77	27	46	30	39	26
10 Negro and other nonwhite.....number.....	2	.....	15	.....	.....	1	67	89
11 All farms classified by size, 1920:								
12 Under 3 acres.....number.....	4	2	4	3	.....	2	3	29
13 3 to 9 acres.....number.....	174	51	77	82	66	105	74	219
14 10 to 19 acres.....number.....	169	51	114	84	67	111	115	184
15 20 to 49 acres.....number.....	583	104	406	263	233	400	516	543
16 50 to 99 acres.....number.....	1,210	264	419	471	616	713	776	953
17 100 to 174 acres.....number.....	809	381	172	603	753	626	704	782
18 175 to 259 acres.....number.....	132	160	39	257	243	200	268	178
19 260 to 499 acres.....number.....	44	66	18	156	79	76	101	55
20 500 to 999 acres.....number.....	6	1	2	5	9	6	6	4
21 1,000 acres and over.....number.....	.....	1	1	1	1	2	.....	.....
LAND AND FARM AREA.								
22 Approximate land area, 1920.....acres.....	295,680	138,240	94,720	252,800	252,160	234,880	311,040	270,720
23 Land in farms, 1920.....acres.....	262,300	133,437	82,574	236,904	248,193	222,778	260,532	251,655
24 ".....1910.....	270,530	134,200	80,759	240,845	240,732	221,387	273,102	246,857
25 ".....1900.....	270,019	132,695	81,594	245,151	240,175	222,512	278,830	248,194
26 Improved land in farms, 1920.....acres.....	220,293	104,687	52,260	194,071	158,093	187,339	236,709	219,414
27 ".....1910.....	227,883	103,960	52,438	196,939	157,970	182,137	244,537	214,150
28 ".....1900.....	230,630	105,225	53,901	196,238	162,988	173,538	242,145	207,474
29 Woodland in farms, 1920.....acres.....	31,820	19,017	23,497	80,650	50,172	20,865	16,845	28,505
30 Other unimproved land in farms, 1920.....acres.....	10,187	9,533	6,817	12,277	39,928	16,074	6,978	5,736
31 Per cent of land area in farms, 1920.....	88.7	96.5	87.2	93.7	98.4	94.8	83.8	93.0
32 Per cent of farm land improved, 1920.....	84.0	78.4	63.3	81.9	63.7	84.1	90.9	87.2
33 Average acreage per farm, 1920.....	83.8	123.4	66.0	123.7	120.1	99.4	101.7	85.3
34 Average improved acreage per farm, 1920.....	70.4	96.3	41.7	101.3	76.5	83.6	92.4	74.4
VALUE OF FARM PROPERTY.								
35 All farm property..1920.....dollars.....	42,181,083	22,201,892	6,502,573	40,651,220	23,164,474	32,153,912	30,431,154	52,701,239
36 ".....1910.....	26,620,318	11,443,825	4,441,398	25,223,240	12,038,952	18,521,913	21,484,996	30,676,494
37 ".....1900.....	17,115,456	6,236,035	3,201,493	12,084,771	7,114,085	10,282,153	12,360,661	14,880,155
38 Land in farms..1920.....dollars.....	28,595,947	15,969,825	3,788,790	32,112,253	14,958,391	23,468,037	21,886,798	38,104,557
39 ".....1910.....	18,012,740	8,260,000	2,713,101	19,521,499	7,850,431	13,273,404	16,273,167	22,788,863
40 ".....1900.....	11,604,020	4,391,780	2,026,510	9,581,980	4,407,480	7,320,900	9,090,930	10,589,710
41 Farm buildings..1920.....dollars.....	8,398,850	3,379,895	1,613,220	4,535,906	4,044,113	4,284,501	4,116,135	8,464,134
42 ".....1910.....	5,455,830	1,715,775	1,137,074	2,995,785	2,295,070	2,844,275	2,647,015	4,804,170
43 ".....1900.....	3,451,230	965,720	776,300	1,676,040	1,516,260	1,474,060	1,708,980	2,188,860
44 Implements and machinery..1920.....dollars.....	1,787,148	914,285	411,984	1,312,257	1,344,034	1,500,038	1,361,279	2,024,621
45 ".....1910.....	725,517	286,858	170,997	477,765	396,717	425,666	454,485	638,244
46 ".....1900.....	523,070	169,090	127,610	312,390	260,520	278,310	338,100	400,030
47 Live stock on farms..1920.....dollars.....	3,469,138	1,937,887	688,579	2,690,714	2,817,930	2,920,590	3,066,942	4,107,927
48 ".....1910.....	2,682,231	1,181,192	420,226	2,225,191	1,480,834	1,978,568	2,110,329	2,915,217
49 ".....1900.....	1,537,105	711,465	271,073	1,414,361	870,425	1,208,383	1,222,661	1,704,555
50 Average values, 1920:								
51 All property per farm.....dollars.....	13,472	20,538	5,194	21,228	11,207	14,348	11,873	17,835
52 Land and buildings per farm.....dollars.....	11,796	17,900	4,315	19,137	9,193	12,375	10,146	15,786
53 Land alone per acre.....dollars.....	109.02	119.68	45.88	135.55	60.27	105.35	84.01	151.42
FARMS OPERATED BY OWNERS.								
54 Number of farms..1920.....	2,242	620	1,078	1,127	1,435	1,536	1,519	1,803
55 ".....1910.....	2,283	724	1,017	1,359	1,622	1,669	1,777	1,859
56 ".....1900.....	2,417	700	980	1,467	1,652	1,722	1,815	2,035
57 Per cent of all farms, 1920.....	71.6	57.4	86.1	58.9	69.4	68.5	59.3	61.1
58 Land in farms, 1920.....acres.....	173,947	67,309	69,759	125,309	167,031	132,612	151,215	137,379
59 Improved land in farms, 1920.....acres.....	146,531	52,428	43,604	102,874	102,147	110,782	130,688	120,338
60 Value of land and buildings, 1920.....dollars.....	24,671,500	8,543,765	4,546,380	19,401,840	10,907,974	16,624,383	15,340,145	25,699,961
61 Degree of ownership, 1920:								
62 Farmers owning entire farm.....number.....	1,965	509	996	870	1,249	1,179	995	1,324
63 Farmers hiring additional land.....number.....	277	111	82	257	186	357	524	479
64 Color and nativity of owners, 1920:								
65 Native white owners.....number.....	2,164	611	987	1,108	1,390	1,510	1,446	1,755
66 Foreign-born white owners.....number.....	78	0	77	10	45	23	34	23
67 Negro and other nonwhite owners.....number.....	.....	.....	14	.....	.....	.....	39	25
FARMS OPERATED BY MANAGERS.								
68 Number of farms..1920.....	34	6	8	23	13	31	13	43
69 ".....1910.....	29	15	8	33	9	23	13	34
70 ".....1900.....	26	15	14	42	28	17	18	59
71 Land in farms, 1920.....acres.....	3,769	988	538	4,261	3,431	5,720	2,194	5,571
72 Improved land in farms, 1920.....acres.....	3,230	559	433	3,523	2,049	5,103	1,889	4,582
73 Value of land and buildings, 1920.....dollars.....	573,700	160,500	76,850	697,600	350,630	804,480	231,745	933,850
FARMS OPERATED BY TENANTS.								
74 Number of farms..1920.....	855	455	166	765	619	674	1,031	1,104
75 ".....1910.....	876	387	191	709	582	651	1,092	993
76 ".....1900.....	921	353	219	716	456	725	1,140	841
77 Per cent of all farms, 1920.....	27.3	42.1	13.3	39.9	29.9	30.1	40.2	37.4
78 Land in farms, 1920.....acres.....	84,594	65,051	12,277	107,334	77,731	84,445	107,123	108,705
79 Improved land in farms, 1920.....acres.....	50,532	51,600	8,223	87,674	53,897	71,454	98,132	84,494
80 Value of land and buildings, 1920.....dollars.....	11,689,597	10,639,455	778,780	16,548,809	7,743,900	10,304,421	10,431,943	19,984,880
81 Form of tenancy, 1920:								
82 Share tenants.....number.....	722	400	103	562	531	582	935	802
83 Share-cash tenants.....number.....	7	16	2	97	9	24	53	40
84 Cash tenants.....number.....	125	39	61	83	72	68	47	258
85 Unspecified.....number.....	1	.....	.....	23	7	.....	26	4
86 Color and nativity of tenants, 1920:								
87 Native white tenants.....number.....	841	454	165	757	618	669	990	1,088
88 Foreign-born white tenants.....number.....	12	1	.....	8	1	4	4	2
89 Negro and other nonwhite tenants.....number.....	2	.....	1	.....	.....	1	28	14

¹ The correction of errors discovered after the 1900 census reports were published would make the farm acreage for Fountain County 248,219.

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Greene.	Hamilton.	Hancock.	Harrison.	Hendricks.	Henry.	Howard.	Huntington.	Jackson.	Jasper.	Jay.	Jefferson.	Jennings.
3,441 3,516 3,549	2,868 3,003 3,096	2,038 2,154 2,215	3,048 3,100 3,237	2,528 2,788 2,867	2,540 2,576 2,601	2,164 2,461 2,680	2,637 2,616 2,579	2,617 2,780 2,813	1,736 1,714 1,870	2,532 2,836 2,848	2,518 2,565 2,629	2,023 2,020 2,135
3,287 154	2,788 82	1,984 54	2,861 187	2,455 71	2,510 30	2,106 58	2,571 66	2,513 104	1,704 32	2,474 58	2,449 60	1,993 90
3,348 84 0	2,827 10 31	2,008 30 -----	2,995 40 13	2,499 22 5	2,518 8 19	2,138 21 5	2,606 31 5	2,554 63 -----	1,524 212 -----	2,492 40 -----	2,467 32 19	1,958 53 12
6 289 293 308 857	3 130 170 609 1,081	7 73 113 381 683	8 108 114 616 1,034	1 118 107 476 878	5 143 117 309 899	9 149 151 444 673	2 159 107 353 1,028	5 120 117 459 709	----- 38 39 155 322	7 55 90 359 1,081	7 111 133 495 934	8 79 70 338 624
791 262 107 24 4	671 154 44 5 1	595 150 80 -----	865 215 80 8	668 189 77 11 1	712 197 62 5 1	575 111 44 3 -----	785 327 137 22 1	720 327 254 46 14	536 332 254 46 -----	769 143 27 1 -----	631 153 60 3 1	581 202 114 6 1
347,520 306,198 315,073 332,759	255,360 242,165 243,379 243,106	196,480 187,218 186,190 180,830	311,040 287,333 285,405 201,687	261,120 242,235 254,159 259,875	254,080 239,709 244,432 245,090	190,080 182,150 184,020 185,082	247,040 234,105 234,149 233,709	331,520 294,173 294,597 303,710	359,680 322,369 307,028 338,857	240,000 233,534 235,161 231,150	232,960 222,075 219,872 218,166	245,120 221,145 219,611 220,014
237,795 258,985 269,545 53,681 17,722	209,869 210,594 202,912 27,804 4,432	169,994 163,307 157,114 17,089 3,135	183,033 191,556 190,768 178,331 25,969	197,844 208,769 194,194 33,895 10,496	211,054 214,083 209,739 24,337 4,818	162,102 162,068 183,350 29,679 3,801	106,094 195,092 209,153 73,372 8,432	206,826 211,114 225,096 189,842 42,320 13,975	249,596 225,096 199,776 235,437 27,927 30,453	240,452 142,051 199,776 189,842 27,927 4,155	140,390 149,051 159,850 161,751 46,575 35,926	159,415 159,850 161,751 159,850 11,855 27
89.0 76.9 89.9 69.1	94.8 86.7 84.4 73.2	95.3 89.2 91.9 81.9	92.4 63.7 91.3 60.1	92.8 81.7 95.9 78.3	94.3 88.0 94.4 83.1	95.8 89.0 84.2 74.9	94.8 83.8 88.8 74.4	88.7 70.3 112.4 79.0	89.6 77.4 185.7 143.8	97.3 86.3 92.2 79.6	95.3 63.2 85.2 55.8	90.2 72.1 109.3 78.8
29,189,259 16,626,369 9,839,820	52,533,405 31,379,992 15,300,041	40,127,165 21,906,421 11,683,722	13,632,797 9,302,934 6,976,176	47,706,401 25,077,219 14,776,661	47,731,936 27,310,164 14,318,470	47,384,419 26,168,766 12,039,101	43,916,207 24,079,584 11,311,170	23,162,568 17,489,956 9,230,313	44,110,045 22,139,362 12,555,334	37,468,426 22,939,974 10,647,232	15,087,902 8,892,308 5,397,066	15,504,090 9,342,922 5,194,045
20,669,975 11,973,331 6,767,150 4,341,724 2,390,810 1,352,080	39,521,721 23,135,535 10,850,210 6,872,380 4,180,818 2,266,540	30,106,591 16,598,947 8,463,460 5,315,045 3,011,730 1,749,910	7,443,542 5,696,522 3,684,730 3,193,702 2,137,440 1,283,370	35,775,278 21,735,044 10,324,880 6,323,663 3,852,155 2,180,490	34,310,764 20,254,530 9,913,390 7,337,925 3,817,085 2,370,780	36,027,170 19,915,354 8,426,320 6,225,680 3,470,752 1,905,880	30,904,096 17,012,551 7,502,670 7,302,326 4,030,133 2,180,680	16,137,174 13,092,435 6,472,670 3,439,877 2,398,625 1,466,450	35,238,192 17,513,193 9,544,310 4,202,590 2,204,135 1,194,130	26,745,726 16,247,183 7,270,180 5,838,590 3,620,920 1,712,760	8,796,799 5,357,155 3,237,220 3,528,645 2,011,195 1,185,380	10,121,396 6,051,829 3,249,570 2,908,550 1,855,385 1,027,190
1,205,975 328,962 265,220 2,971,585 1,933,266 1,452,307	1,871,618 608,999 404,040 4,087,686 3,448,640 1,789,251	1,624,327 406,512 281,930 3,021,202 1,889,232 1,188,422	1,010,211 366,849 299,650 1,070,342 1,202,123 707,426	1,568,981 460,909 337,250 4,038,479 2,629,021 1,984,041	1,895,615 527,886 370,630 4,178,632 2,716,663 1,657,070	1,708,848 497,020 337,710 3,364,721 2,285,040 1,369,191	2,166,511 681,730 352,600 3,543,274 2,345,120 1,275,250	1,053,512 354,425 200,540 2,532,005 1,644,471 1,010,653	1,842,481 437,679 252,890 3,337,782 2,014,355 1,664,304	1,699,527 611,295 333,630 3,184,583 2,460,571 1,330,072	911,546 324,658 219,910 1,850,012 1,199,300 754,556	663,010 280,233 204,090 1,811,125 1,155,475 713,195
8,483 7,269 66.85	18,317 10,176 163.20	19,689 17,410 161.13	4,473 3,490 25.91	18,886 16,666 147.69	18,792 16,401 143.17	21,897 19,525 197.79	16,654 14,489 132.01	8,851 7,481 54.86	26,412 22,716 109.29	14,798 12,869 114.63	5,992 4,895 39.61	7,664 6,441 45.77
2,758 2,680 2,763 80.2 228,409 173,081 17,202,594	1,779 1,954 2,091 62.0 137,478 119,762 26,382,446	1,216 1,368 1,449 55.5 97,957 87,058 18,585,753	2,583 2,609 2,697 65.5 237,828 153,331 8,399,999	1,655 2,001 2,001 60.4 145,682 121,203 25,596,228	1,535 1,653 1,725 60.4 124,306 110,820 21,857,486	1,320 1,644 1,843 61.0 102,301 90,901 23,943,815	1,651 1,728 1,739 62.6 127,773 106,984 21,006,523	1,934 2,039 2,144 73.9 214,102 146,833 13,607,466	811 835 1,005 63.9 122,630 97,621 15,524,492	1,619 1,832 1,915 63.9 135,793 117,828 19,072,226	1,843 1,971 1,922 75.8 164,419 103,012 9,256,489	1,534 1,583 1,709 75.8 158,710 114,568 9,204,276
2,376 382	1,413 306	896 320	2,329 254	1,404 261	1,253 282	964 350	1,432 219	1,510 424	622 189	1,246 343	1,723 125	1,241 293
2,073 7	1,752 18	1,190 26 -----	2,533 89 11	1,636 18 1	1,517 8 10	1,299 19 2	1,629 22 -----	1,876 68 -----	662 149 -----	1,585 34 -----	1,804 29 15	1,431 47 6
26 22 42 8,390 6,491 1,209,250	33 41 26 4,425 3,698 1,300,050	29 22 26 3,641 3,183 781,735	13 22 30 2,741 1,346 72,500	49 21 17 8,101 6,526 1,320,802	56 27 32 9,253 8,209 1,692,863	14 25 15 1,362 1,183 336,040	26 19 15 3,565 2,821 640,000	80 24 26 6,151 4,278 367,075	44 33 46 30,076 13,041 2,465,550	23 22 25 3,187 2,833 398,550	14 23 35 1,947 1,459 120,840	28 18 27 5,891 3,978 280,220
657 814 744 19.1 72,399 58,223 6,599,555	1,056 1,008 970 36.8 100,262 86,411 18,711,605	793 764 745 38.9 85,614 76,748 15,814,148	452 469 510 14.8 46,764 23,356 1,664,745	822 764 844 32.5 38,452 70,115 15,181,911	949 896 844 37.4 100,150 92,525 18,107,335	830 792 825 38.4 78,497 70,013 17,972,995	980 869 825 36.4 103,267 86,289 16,559,899	653 717 643 25.0 73,920 55,715 5,601,610	881 846 819 50.7 169,663 138,934 21,445,740	890 982 908 35.2 94,554 80,791 13,113,540	656 571 569 26.1 55,709 35,919 2,949,115	461 419 399 22.8 56,544 40,871 3,839,450
500 37 117 3	812 42 201 1	620 70 85 18	289 5 91 67	529 29 193 71	763 21 122 43	572 59 167 32	812 20 95 33	434 27 76 66	568 186 85 42	711 21 121 37	505 5 54 79	339 ----- 54 68
650 6 1	1,042 1 13	790 3 -----	449 1 2	814 4 4	941 ----- 8	825 2 3	951 9 -----	648 5 -----	821 60 -----	884 6 -----	650 3 3	451 4 6

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

		Johnson.	Knox.	Kosciusko.	Lagrange.	Lake.	La Porte.	Lawrence.	Madison.
ALL FARMS.									
1	Number of farms, 1920.....	2,051	2,458	3,355	2,044	1,718	2,431	2,332	3,173
2	1910.....	2,025	2,767	3,305	2,120	1,814	2,536	2,342	3,258
3	1900.....	2,053	2,683	3,532	2,145	1,702	2,613	2,251	3,346
4	All farmers classified by sex, 1920:								
5	Male.....number..	2,005	2,399	3,270	1,978	1,674	2,362	2,196	3,097
6	Female.....number..	46	59	85	66	44	69	136	76
7	Color and nativity of all farmers, 1920:								
8	Native white.....number..	2,043	2,393	3,300	1,999	1,331	1,966	2,303	3,145
9	Foreign-born white.....number..	6	57	55	45	386	461	27	20
10	Negro and other nonwhite.....number..	2	8	.....	.....	1	4	2	2
11	All farms classified by size, 1920:								
12	Under 3 acres.....number..	6	7	8	2	2	5	7	10
13	3 to 9 acres.....number..	158	122	113	63	59	53	141	180
14	10 to 19 acres.....number..	95	122	138	62	108	85	127	214
15	20 to 49 acres.....number..	331	352	617	279	239	310	512	667
16	50 to 99 acres.....number..	659	625	1,242	673	343	560	582	1,072
17	100 to 174 acres.....number..	558	720	953	604	548	749	570	775
18	175 to 259 acres.....number..	171	312	209	189	277	374	230	193
19	260 to 499 acres.....number..	67	166	68	73	118	271	130	58
20	500 to 999 acres.....number..	0	36	7	8	19	20	30	4
21	1,000 acres and over.....number..	.....	6	.....	1	5	4	3	.....
LAND AND FARM AREA.									
22	Approximate land area, 1920.....acres..	206,080	320,400	346,240	247,680	314,880	380,800	291,840	288,000
23	Land in farms, 1920.....acres..	190,932	299,751	313,245	221,305	225,415	338,998	251,658	266,203
24	1910.....acres..	197,403	300,087	316,833	230,576	224,204	340,603	259,799	269,757
25	1900.....acres..	194,024	305,906	322,179	233,201	233,568	343,450	260,945	273,960
26	Improved land in farms, 1920.....acres..	164,550	261,428	249,400	177,332	181,713	280,328	160,265	236,504
27	1910.....acres..	167,483	269,362	250,268	176,923	186,872	267,121	172,525	234,152
28	1900.....acres..	159,260	249,603	240,009	176,709	173,841	261,294	168,575	232,512
29	Woodland in farms, 1920.....acres..	24,395	27,573	35,189	23,884	25,116	27,523	60,931	25,110
30	Other unimproved land in farms, 1920.....acres..	7,987	10,760	28,596	20,089	18,588	31,147	24,402	4,589
31	Percent of land area in farms, 1920.....	95.6	91.8	90.5	89.4	71.6	89.0	80.2	92.4
32	Percent of farm land improved, 1920.....	83.6	87.2	79.6	80.1	80.6	82.7	63.7	88.8
33	Average acreage per farm, 1920.....	96.0	121.9	93.4	108.3	131.2	139.4	107.9	83.9
34	Average improved acreage per farm, 1920.....	80.2	100.4	74.4	86.8	105.8	115.3	68.7	74.5
VALUE OF FARM PROPERTY.									
35	All farm property, 1920.....dollars..	39,759,039	43,354,781	47,835,654	31,260,892	37,779,782	43,911,155	15,026,649	57,573,783
36	1910.....dollars..	24,598,370	27,010,320	28,661,902	18,421,945	21,980,313	25,065,948	8,479,077	30,538,872
37	1900.....dollars..	11,877,890	13,465,363	16,230,690	11,407,002	12,728,802	15,333,261	5,081,659	17,271,802
38	Land in farms, 1920.....dollars..	29,187,183	33,009,672	32,910,700	20,193,692	27,479,225	31,885,300	9,839,051	43,437,184
39	1910.....dollars..	19,204,550	21,705,057	20,131,673	12,062,068	16,279,027	18,550,784	5,600,122	23,400,468
40	1900.....dollars..	8,813,100	9,972,470	10,390,170	7,925,510	9,569,840	11,225,020	3,163,640	12,672,970
41	Farm buildings, 1920.....dollars..	5,216,065	5,007,680	8,312,264	6,319,231	5,527,400	6,932,555	2,583,475	7,407,140
42	1910.....dollars..	2,899,666	2,819,702	4,824,405	3,233,745	3,133,476	3,874,015	1,479,680	3,668,367
43	1900.....dollars..	1,680,930	1,665,930	2,582,670	2,021,420	1,595,030	2,476,200	508,520	2,303,470
44	Implements and machinery, 1920.....dollars..	1,800,371	1,805,733	2,171,009	1,563,801	1,561,200	1,876,512	578,806	2,197,126
45	1910.....dollars..	418,310	524,770	679,673	479,995	532,780	551,816	199,374	575,337
46	1900.....dollars..	230,080	375,480	367,500	323,610	287,710	347,330	153,340	418,310
47	Live stock on farms, 1920.....dollars..	3,555,720	3,531,046	4,440,901	3,190,078	3,211,807	3,216,788	2,025,317	4,532,334
48	1910.....dollars..	2,075,845	2,501,091	3,016,211	2,046,137	2,015,050	2,072,733	1,199,901	2,814,670
49	1900.....dollars..	1,238,780	1,421,433	1,854,350	1,107,162	1,286,222	1,284,711	866,159	1,977,052
50	Average values, 1920:								
51	All property per farm.....dollars..	19,386	17,638	14,268	15,297	21,991	18,093	6,444	18,145
52	Land and buildings per farm.....dollars..	16,774	15,407	12,287	12,971	19,212	15,908	5,327	16,024
53	Land alone per acre.....dollars..	148.21	110.12	105.06	91.25	121.91	94.06	39.10	163.17
FARMS OPERATED BY OWNERS.									
54	Number of farms, 1920.....	1,250	1,404	2,274	1,431	913	1,568	1,848	1,841
55	1910.....	1,301	1,621	2,315	1,504	1,043	1,711	1,913	2,056
56	1900.....	1,362	1,609	2,526	1,502	1,129	1,832	1,809	2,139
57	Percent of all farms, 1920.....	61.4	57.1	67.8	70.0	53.1	64.5	79.2	58.0
58	Land in farms, 1920.....acres..	108,066	153,214	194,171	144,055	102,674	175,881	191,160	133,163
59	Improved land in farms, 1920.....acres..	90,161	137,601	156,127	110,857	83,738	143,032	122,931	118,830
60	Value of land and buildings, 1920.....dollars..	18,731,458	20,256,968	25,710,454	17,062,344	15,644,385	19,022,420	8,965,746	26,182,031
61	Degree of ownership, 1920:								
62	Farmers owning entire farm.....number..	898	1,003	1,918	1,181	682	1,311	1,723	1,468
63	Farmers hiring additional land.....number..	361	401	356	260	231	267	125	373
64	Color and nativity of owners, 1920:								
65	Native white owners.....number..	1,254	1,352	2,227	1,391	685	1,183	1,819	1,818
66	Foreign-born white owners.....number..	5	50	47	40	227	381	27	22
67	Negro and other nonwhite owners.....number..	.....	2	.....	.....	1	4	2	1
FARMS OPERATED BY MANAGERS.									
68	Number of farms, 1920.....	19	28	37	24	19	41	23	56
69	1910.....	8	24	41	15	27	46	30	37
70	1900.....	14	17	29	13	13	40	21	45
71	Land in farms, 1920.....acres..	2,898	8,090	5,478	3,169	5,448	10,304	6,392	7,721
72	Improved land in farms, 1920.....acres..	2,406	6,717	4,107	2,469	4,809	8,338	4,237	6,774
73	Value of land and buildings, 1920.....dollars..	548,680	1,644,700	798,200	532,270	792,650	1,408,550	475,265	1,474,170
FARMS OPERATED BY TENANTS.									
74	Number of farms, 1920.....	773	1,026	1,044	589	786	822	461	1,278
75	1910.....	716	1,122	1,009	601	744	779	399	1,165
76	1900.....	1,057	1,077	977	540	560	681	421	1,162
77	Percent of all farms, 1920.....	37.7	41.7	31.1	28.8	45.8	53.8	19.8	40.2
78	Land in farms, 1920.....acres..	85,968	133,447	113,596	74,061	117,293	152,813	54,106	125,314
79	Improved land in farms, 1920.....acres..	71,922	117,110	89,226	58,000	93,106	128,068	38,097	110,900
80	Value of land and buildings, 1920.....dollars..	15,123,710	10,115,684	14,708,400	8,318,309	10,509,750	18,386,835	2,881,615	23,188,123
81	Form of tenancy, 1920:								
82	Share tenants.....number..	520	904	930	497	280	697	380	921
83	Share-cash tenants.....number..	78	37	16	6	8	37	.....	44
84	Cash tenants.....number..	130	85	98	43	495	88	71	245
85	Unspecified.....number..	47	.....	2	43	3	.....	10	66
86	Color and nativity of tenants, 1920:								
87	Native white tenants.....number..	770	1,013	1,036	584	630	748	461	1,271
88	Foreign-born white tenants.....number..	1	7	8	5	156	74	.....	4
89	Negro and other nonwhite tenants.....number..	2	6	.....	.....	.....	.....	.....	1

AGRICULTURE—INDIANA.

87

WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

Marion.	Marshall.	Martin.	Miami.	Monroe.	Montgomery.	Morgan.	Newton.	Noble.	Ohio.	Orange.	Owen.	Parke.	
2,855 3,250 3,437	2,720 2,813 2,869	1,661 1,742 1,985	2,205 2,360 2,397	2,232 2,200 2,242	2,564 2,804 2,895	2,492 2,754 2,544	1,011 1,002 1,113	2,450 2,749 2,459	584 652 551	2,315 2,374 2,392	1,068 1,981 2,136	2,228 2,443 2,303	1 2 3
2,855 ----- 2,625 20P 26	2,647 73 ----- 2,592 128 2	1,586 75 ----- 1,647 12 2	2,161 44 ----- 2,180 25 2	2,140 92 ----- 2,196 34 2	2,504 60 ----- 2,541 23 2	2,387 105 ----- 2,463 26 3	962 19 ----- 941 68 2	2,389 61 ----- 2,386 84 6	561 23 ----- 559 19 6	2,195 120 ----- 2,306 8 1	1,883 85 ----- 1,953 14 1	2,144 84 ----- 2,196 31 1	4 5 ----- 6 7 8
29 348 316 650 817	8 69 102 488 970	----- 47 58 303 485	4 112 107 800 758	8 114 108 896 670	6 100 101 338 739	8 145 175 587 609	3 32 20 64 131	3 76 93 368 855	5 34 40 82 184	1 67 76 480 771	3 66 80 321 578	2 114 103 344 597	9 10 11 12 13
509 116 57 8	798 213 67 4 1	458 180 110 19 1	658 195 61 8 2	620 218 90 8 2	810 315 139 15 1	541 200 117 17 3	326 208 174 33 20	751 221 82 1 -----	185 41 12 1 -----	634 183 84 11 3	558 227 124 10 1	659 277 115 16 17 18	14 15 16 17 18
254,080 198,970 218,510 242,644	282,240 265,396 268,106 262,769	216,960 196,490 194,877 201,006	243,840 226,056 229,464 232,465	266,240 228,170 228,541 237,552	320,640 301,398 307,195 311,070	259,540 240,808 249,211 244,946	259,200 226,508 231,935 245,657	266,880 250,169 265,759 249,812	54,400 54,153 52,824 52,436	280,480 236,302 237,843 247,668	251,520 225,471 230,962 246,748	266,080 252,544 256,392 256,647	19 20 21 22
166,790 184,492 199,235 20,302 5,869	209,878 207,398 198,378 20,588 25,932	119,493 134,436 139,659 54,110 22,887	186,930 188,444 185,021 29,599 9,527	142,944 148,159 149,722 99,013 16,213	247,692 250,987 238,954 46,520 7,186	162,723 171,902 168,402 66,804 11,281	183,416 193,859 195,190 26,623 16,469	198,848 199,287 186,040 30,158 21,163	43,550 42,405 42,048 6,361 4,233	144,761 149,775 160,648 67,092 24,449	144,132 155,885 184,439 62,529 18,810	163,190 166,741 163,680 66,422 22,983	23 24 25 26 27
78.3 83.8 99.7 58.4	94.0 79.1 97.6 77.2	90.6 60.8 118.3 71.9	92.7 82.7 102.5 84.8	85.7 62.6 102.2 64.0	94.0 82.2 117.5 96.6	92.7 67.6 96.6 65.3	87.4 81.0 224.0 181.4	93.7 70.5 102.1 81.2	99.5 80.4 92.7 74.6	90.7 61.3 102.1 62.5	89.6 63.9 114.6 73.2	88.3 64.6 113.4 73.2	28 29 30 31
58,239,785 42,330,840 24,273,252	41,339,825 22,576,139 12,868,079	8,161,906 5,550,085 8,010,935	41,000,340 24,933,643 13,351,847	12,860,020 7,885,095 5,182,277	61,306,936 34,884,706 18,087,200	26,715,810 17,152,713 8,726,340	38,766,804 24,094,163 12,405,338	36,143,149 22,674,887 12,576,117	4,603,619 2,547,847 1,828,768	12,702,852 7,467,325 4,152,408	12,620,022 9,009,164 5,551,575	30,866,999 18,234,495 9,745,046	32 33 34
45,096,304 33,394,845 18,254,000 8,179,125 5,952,323 3,997,760	20,795,523 15,754,533 8,744,490 6,067,455 3,901,940 2,405,670	4,864,877 3,528,483 2,220,370 1,505,245 976,610 610,950	30,110,621 18,003,616 9,199,230 5,817,775 3,917,905 2,182,310	7,816,260 5,033,602 3,175,490 2,655,095 1,588,856 1,049,040	47,332,715 26,864,185 12,875,610 7,584,755 4,381,200 2,681,910	19,186,096 12,843,577 6,135,440 3,801,641 2,164,300 1,229,260	31,866,028 20,227,166 10,020,130 3,345,335 1,877,625 903,860	22,586,297 15,292,168 8,543,100 7,804,530 4,253,587 2,257,160	2,725,205 1,581,884 1,203,110 1,033,300 574,870 378,270	7,520,428 4,724,791 2,443,500 2,466,534 1,415,225 905,350	8,004,277 6,137,275 3,470,210 2,380,333 1,567,575 1,029,810	22,344,233 13,144,663 6,851,750 4,441,146 2,745,060 1,363,910	35 36 37 38 39 40
1,787,648 703,595 500,700 3,176,658 2,275,077 1,520,712	1,857,670 552,031 356,800 3,018,008 2,807,035 1,361,629	392,205 145,168 133,330 1,399,579 899,824 646,285	1,784,898 538,990 382,040 3,347,046 2,473,132 1,608,267	628,974 233,124 232,820 1,708,691 1,031,513 733,927	1,885,903 625,473 379,420 4,593,503 3,013,848 2,150,260	1,073,935 321,962 214,080 2,654,238 1,822,894 1,147,619	979,808 403,128 207,700 2,575,603 1,586,244 1,183,648	1,995,510 608,489 263,800 3,756,812 5,520,943 1,612,057	302,760 77,705 50,790 542,354 313,388 652,178	702,181 217,445 151,380 2,013,709 1,109,804 652,178	653,360 196,587 220,080 1,582,052 1,107,727 828,475	1,346,075 399,942 262,430 2,785,545 1,944,290 1,266,956	41 42 43 44 45 46
20,399 18,000 226.65	15,198 13,185 112.27	4,014 3,835 24.76	18,626 16,298 133.24	5,766 4,691 34.26	23,946 21,419 157.04	10,721 9,225 79.67	38,345 34,828 140.68	14,752 12,404 90.28	7,883 6,436 60.32	5,487 4,314 31.83	6,417 5,281 35.50	13,854 12,022 88.48	47 48 49
1,081 2,017 2,105 68.9 99,202 83,773 22,799,751	1,866 2,044 2,085 68.0 170,152 133,973 23,043,083	1,365 1,404 1,548 82.6 154,810 95,895 5,100,315	1,381 1,598 1,605 66.6 127,664 105,726 20,589,973	1,721 1,786 1,827 77.1 163,917 132,243 7,720,235	1,551 1,714 1,896 60.5 160,704 111,228 29,867,697	1,787 1,915 1,851 71.7 164,321 119,377 14,542,370	424 412 577 41.9 75,382 119,377 12,251,120	1,627 1,897 1,845 77.9 150,070 34,813 18,035,215	455 404 361 77.9 43,451 34,813 2,926,995	1,843 1,921 1,979 79.6 175,443 108,628 7,394,622	1,511 1,653 1,752 70.8 166,244 105,707 7,421,650	1,506 1,689 1,613 67.0 155,856 97,606 16,686,047	50 51 52 53 54 55 56
1,290 391 ----- 1,528 145 8	1,543 323 ----- 1,756 110 -----	1,140 225 ----- 1,352 12 -----	1,102 279 ----- 1,358 23 -----	1,509 212 ----- 1,688 31 -----	1,238 313 ----- 1,534 17 -----	1,413 374 ----- 1,759 26 -----	328 96 ----- 381 42 -----	1,308 319 ----- 1,572 55 -----	891 64 ----- 437 16 -----	1,694 149 ----- 1,834 8 -----	1,272 239 ----- 1,496 14 -----	1,162 239 ----- 1,470 20 -----	57 58 ----- 59 60 61
64 49 86 10,240 8,482 3,568,950	15 28 32 2,785 2,635 434,820	12 7 15 4,173 2,243 137,200	29 22 26 5,590 3,614 774,320	25 34 24 6,714 2,769 256,800	33 17 17 5,708 4,739 913,553	39 54 31 9,518 5,421 1,226,120	39 41 21 31,472 19,789 2,727,626	19 21 19 2,580 2,173 411,700	2 6 2 125 121 19,000	39 28 9 10,286 6,338 536,970	18 13 22 3,269 1,899 155,185	24 28 10 4,373 2,864 726,745	62 63 64 65 66 67
1,110 1,184 1,186 38.9 89,468 74,544 26,906,728	839 741 752 30.8 92,459 73,370 12,385,075	284 331 422 17.1 37,507 21,855 1,182,547	705 740 676 36.1 92,892 77,590 14,573,103	486 380 391 21.8 57,539 35,585 2,494,320	980 1,073 982 38.2 134,956 110,710 24,136,220	666 735 662 26.7 60,969 46,074 7,219,147	548 548 515 54.2 119,654 102,150 20,232,617	804 831 505 82.8 97,519 77,298 11,943,912	127 242 188 21.7 10,577 8,625 812,510	433 425 404 18.7 50,573 29,795 2,065,370	439 315 362 22.3 55,958 36,526 2,816,775	698 731 680 31.3 92,315 62,617 9,372,587	68 69 70 71 72 73 74
462 71 517 60	732 8 97 2	221 6 57 -----	669 11 87 28	340 5 82 53	636 143 171 30	486 47 92 41	400 85 63 -----	678 15 98 13	82 4 20 21	349 2 41 41	294 35 70 40	421 168 70 39	75 76 77 78
1,036 57 17	822 17 -----	283 ----- ----- 1	703 2 -----	483 3 -----	974 6 -----	665 ----- ----- 1	526 21 -----	795 9 -----	120 3 -----	439 ----- ----- -----	439 ----- ----- -----	696 2 ----- 80	79 81

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920.

		Perry.	Plke.	Porter.	Posey.	Pulaski.	Putnam.	Randolph.	Ripley.	Rush.
ALL FARMS.										
1	Number of farms, 1920.....	1,836	2,159	1,791	2,071	1,764	2,682	3,226	2,836	2,044
2	1910.....	1,948	2,440	1,915	2,133	1,898	2,962	3,203	3,001	2,143
3	1900.....	2,054	2,685	1,922	2,167	1,945	2,883	3,448	2,935	2,267
4	All farms classified by sex, 1920:									
5	Male.....number.....	1,753	2,033	1,716	2,018	1,717	2,596	3,159	2,750	2,009
6	Female.....number.....	83	96	75	53	46	86	67	77	35
7	Color and nativity of all farmers, 1920:									
8	Native white.....number.....	1,784	2,142	1,856	2,024	1,573	2,666	3,188	2,732	2,023
9	Foreign-born white.....number.....	49	16	435	36	189	12	8	103	9
10	Negro and other nonwhite.....number.....	3	1	11	11	1	4	80	1	12
11	All farms classified by size, 1920:									
12	Under 3 acres.....number.....	61	123	52	47	23	90	120	80	52
13	3 to 9 acres.....number.....	58	160	74	70	37	103	156	94	57
14	10 to 19 acres.....number.....	271	522	245	250	171	538	576	476	193
15	20 to 49 acres.....number.....	516	674	436	620	403	840	1,278	1,102	628
16	50 to 99 acres.....number.....	600	479	590	699	651	672	865	831	734
17	100 to 174 acres.....number.....	218	126	269	282	298	204	180	187	246
18	175 to 259 acres.....number.....	101	63	111	90	150	150	83	50	114
19	260 to 499 acres.....number.....	12	9	11	7	15	15	8	4	13
20	500 to 999 acres.....number.....	1	1	3	1	2	3	1	1	1
21	1,000 acres and over.....number.....									
LAND AND FARM AREA.										
22	Approximate land area, 1920.....acres.....	245,760	216,320	265,600	257,280	276,480	309,120	286,080	286,720	261,700
23	Land in farms, 1920.....acres.....	215,240	185,994	238,528	239,590	253,924	288,452	276,672	269,401	252,997
24	1910.....acres.....	212,039	194,723	239,329	238,834	258,170	292,399	280,332	273,171	253,872
25	1900.....acres.....	217,316	200,724	238,783	233,797	241,475	301,039	288,017	270,974	254,870
26	Improved land in farms, 1920.....acres.....	106,558	154,110	187,068	211,752	203,298	192,674	241,259	199,515	222,687
27	1910.....acres.....	109,566	168,378	188,130	212,343	193,784	198,573	240,567	206,282	221,589
28	1900.....acres.....	108,359	172,689	180,724	204,277	168,358	206,070	227,290	199,212	211,724
29	Woodland in farms, 1920.....acres.....	89,423	17,004	26,955	19,187	36,655	79,443	29,483	42,524	25,274
30	Other unimproved land in farms, 1920.....acres.....	19,265	14,280	20,806	8,641	13,979	16,635	5,830	27,302	5,036
31	Percent of land area in farms, 1920.....	87.6	86.0	88.0	93.1	91.8	93.3	96.7	94.0	90.7
32	Percent of farm land improved, 1920.....	49.5	82.9	80.0	88.4	80.1	60.7	87.2	74.1	88.0
33	Average acreage per farm, 1920.....	117.2	86.1	130.6	115.7	144.0	107.6	85.7	95.0	123.8
34	Average improved acreage per farm, 1920.....	58.0	71.4	104.4	102.2	115.3	71.7	74.8	70.4	108.9
VALUE OF FARM PROPERTY.										
35	All farm property, 1920.....dollars.....	7,644,446	13,793,649	36,788,588	28,708,318	29,031,698	33,187,947	51,051,828	29,952,923	55,567,953
36	1910.....dollars.....	5,152,079	9,716,720	19,301,911	18,329,649	16,497,543	20,398,825	29,318,595	12,584,059	31,280,415
37	1900.....dollars.....	2,816,745	5,933,183	10,828,340	11,713,340	8,038,654	11,887,462	14,182,502	7,213,414	10,200,007
38	Land in farms, 1920.....dollars.....	4,403,800	8,929,184	20,023,037	20,341,898	22,188,906	23,925,557	36,664,959	12,165,020	42,162,950
39	1910.....dollars.....	3,042,395	6,445,473	13,902,679	14,008,660	12,383,734	14,447,175	21,873,318	7,405,025	24,238,305
40	1900.....dollars.....	1,643,300	3,861,750	7,610,440	8,060,240	5,886,830	8,070,430	10,085,030	4,255,040	12,054,150
41	Farm buildings, 1920.....dollars.....	1,574,435	2,521,148	6,445,470	4,104,380	3,533,079	4,809,665	8,062,907	4,489,905	6,776,199
42	1910.....dollars.....	1,089,755	1,630,256	3,151,350	2,453,630	2,139,299	3,093,600	3,956,926	3,042,505	3,681,630
43	1900.....dollars.....	567,390	903,220	1,711,140	1,760,770	930,810	1,813,480	2,213,470	1,663,490	2,083,780
44	Implements and machinery, 1920.....dollars.....	442,383	598,605	1,553,805	1,554,879	1,200,534	1,243,678	2,104,778	1,513,597	2,172,235
45	1910.....dollars.....	215,857	257,614	447,602	407,351	369,714	397,201	507,540	506,421	587,176
46	1900.....dollars.....	135,990	236,900	265,770	379,730	255,430	271,300	457,060	314,460	362,160
47	Live stock on farms, 1920.....dollars.....	1,223,828	1,744,712	2,766,276	2,647,161	2,708,579	3,209,047	4,159,184	2,784,395	4,456,569
48	1910.....dollars.....	804,072	1,383,377	1,800,280	1,460,018	1,604,796	2,460,849	2,860,811	1,030,108	2,878,404
49	1900.....dollars.....	470,005	871,313	1,204,990	903,600	995,584	1,726,262	1,426,352	979,824	1,759,917
50	Average values, 1920:									
51	All property per farm.....dollars.....	4,164	6,389	20,541	13,802	16,808	12,374	15,825	7,388	27,186
52	Land and buildings per farm.....dollars.....	3,256	5,304	18,129	11,833	14,590	10,714	13,865	5,873	23,943
53	Land alone per acre.....dollars.....	20.46	48.01	111.29	84.90	87.38	82.94	132.57	45.16	166.65
FARMS OPERATED BY OWNERS.										
54	Number of farms, 1920.....	1,584	1,747	1,210	1,143	978	1,025	1,876	2,356	1,164
55	1910.....	1,722	1,881	1,332	1,197	1,197	2,075	2,061	2,558	1,253
56	1900.....	1,741	2,019	1,398	1,264	1,209	2,055	2,213	2,481	1,384
57	Percent of all farms, 1920.....	86.3	80.9	67.6	55.2	55.5	71.8	58.2	83.1	56.9
58	Land in farms, 1920.....acres.....	188,112	145,266	141,688	124,795	120,550	192,198	145,365	219,084	133,409
59	Improved land in farms, 1920.....acres.....	93,407	121,006	112,159	109,959	96,622	128,073	126,800	163,119	117,721
60	Value of land and buildings, 1920.....dollars.....	5,164,222	8,840,617	19,174,194	12,514,906	11,618,466	18,763,756	23,856,894	13,695,190	25,787,018
61	Degree of ownership, 1920:									
62	Farmers owning entire farm.....number.....	1,421	1,322	984	722	780	1,724	1,535	2,152	927
63	Farmers hiring additional land.....number.....	163	425	226	421	198	201	341	204	237
64	Color and nativity of owners, 1920:									
65	Native white owners.....number.....	1,534	1,732	862	1,114	822	1,911	1,850	2,256	1,147
66	Foreign-born white owners.....number.....	48	15	348	29	155	12	7	100	7
67	Negro and other nonwhite owners.....number.....	2	1	1	1	1	2	19	1	10
FARMS OPERATED BY MANAGERS.										
68	Number of farms, 1920.....	16	16	22	19	36	44	17	25	33
69	1910.....	7	8	17	9	26	129	9	31	16
70	1900.....	7	7	12	18	22	34	10	14	46
71	Land in farms, 1920.....acres.....	2,032	4,037	6,225	2,743	6,608	8,225	2,502	3,178	6,162
72	Improved land in farms, 1920.....acres.....	853	3,516	3,061	2,896	6,154	6,486	2,117	2,152	5,630
73	Value of land and buildings, 1920.....dollars.....	68,050	274,200	1,136,700	219,800	788,300	1,120,370	462,800	215,300	1,257,860
FARMS OPERATED BY TENANTS.										
74	Number of farms, 1920.....	236	390	559	909	749	713	1,333	455	847
75	1910.....	219	551	566	927	675	763	1,233	412	869
76	1900.....	306	659	512	885	624	794	1,225	440	887
77	Percent of all farms, 1920.....	12.9	18.3	31.2	43.9	42.5	26.6	41.3	16.0	41.4
78	Land in farms, 1920.....acres.....	25,102	36,691	86,020	112,052	126,806	83,026	123,705	47,139	113,425
79	Improved land in farms, 1920.....acres.....	12,238	23,988	71,848	99,397	101,517	57,815	112,282	34,244	90,438
80	Value of land and buildings, 1920.....dollars.....	745,963	2,335,615	12,157,613	11,771,572	13,315,819	8,911,093	20,408,172	2,744,435	21,844,271
81	Form of tenancy, 1920:									
82	Share tenants.....number.....	168	295	345	779	574	421	930	292	848
83	Share-cash tenants.....number.....	1	9	22	37	91	82	13	6	73
84	Cash tenants.....number.....	37	53	169	74	65	148	298	99	92
85	Unspecified.....number.....	30	39	23	19	19	62	92	58	36
86	Color and nativity of tenants, 1920:									
87	Native white tenants.....number.....	234	305	475	894	716	711	1,321	451	843
88	Foreign-born white tenants.....number.....	1	1	84	7	32	2	1	3	2
89	Negro and other nonwhite tenants.....number.....	1	1	1	1	1	2	11	1	2

AGRICULTURE—INDIANA.

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WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

St. Joseph.	Scott.	Shelby.	Spencer.	Starke.	Steuben.	Sullivan.	Switzer- land.	Tippecanoe.	Tipton.	Union.	Vander- burg.	Vermilion.	
2,678 2,460 2,598	1,104 1,306 1,279	2,060 2,702 2,807	2,562 2,841 3,004	1,402 1,382 1,384	1,787 1,899 1,956	2,837 2,613 3,239	1,828 1,792 1,802	2,401 2,456 2,517	1,857 2,067 2,290	796 817 832	1,680 1,778 1,970	1,058 1,355 1,353	1 2 3
2,573 105	1,054 50	2,584 76	2,512 50	1,369 33	1,749 38	2,723 114	1,766 62	2,331 70	1,811 46	779 17	1,634 46	1,037 21	4 5
2,294 8 19	1,006 8 32	2,636 16 12	2,461 45 24	952 447 3	1,759 27 4	2,774 54 9	1,807 20 4	2,232 169 4	1,828 29 3	786 5 7	1,574 88 18	1,035 23 2	6 7 8
180 152 458 852	32 45 239 390	129 167 503 836	157 159 447 805	35 57 276 384	60 82 268 610	197 220 657 849	134 151 404 623	112 126 299 603	87 85 421 640	37 28 66 196	144 143 357 526	36 64 168 252	9 10 11 12 13
708 231 68 10 5	280 78 36 3 1	706 231 72 4	714 198 53 5	376 151 101 10 3	534 159 65 5	594 195 101 18 3	396 93 22 1	696 351 184 26	476 109 33 2	317 103 37 7 2	388 85 27 3	306 138 71 20 1	14 15 16 17 18
294,400 257,983 253,463 266,707	121,600 105,422 111,341 113,578	260,480 248,756 251,903 250,063	257,920 231,746 236,599 240,078	195,200 188,178 158,009 162,224	195,200 183,072 183,911 185,839	294,400 252,861 255,009 272,012	142,080 138,305 136,356 136,047	321,920 299,228 299,305 298,842	166,400 158,960 163,669 162,597	103,680 100,269 102,182 101,710	149,120 132,533 132,648 142,287	162,560 132,357 149,268 140,984	19 20 21 22
215,250 205,547 210,593 26,542 10,191	70,755 82,801 82,002 23,724 4,043	221,781 224,126 218,744 19,731 7,244	188,647 199,063 202,799 27,206 15,893	122,419 105,832 106,391 27,226 18,533	140,560 140,208 139,557 22,439 20,073	210,676 216,818 227,785 24,213 17,972	102,004 103,010 110,565 19,712 16,589	262,341 263,454 259,795 27,205 9,632	142,340 144,723 139,370 16,192 437	77,927 80,384 79,951 11,624 10,718	113,611 114,736 120,619 10,632 8,295	102,463 119,018 112,199 21,789 8,105	23 24 25 26 27
87.6 83.4 96.3 80.4	86.7 72.8 95.5 99.5	95.5 89.2 93.5 83.4	89.0 81.4 90.5 73.6	86.2 72.8 120.0 87.3	93.8 76.8 102.4 78.7	85.9 83.3 89.1 74.3	97.3 73.8 75.7 55.8	93.0 87.7 124.6 109.3	95.5 89.5 85.6 76.7	96.7 77.7 126.0 97.9	88.9 85.7 78.9 67.6	81.4 77.4 125.1 96.8	28 29 30 31
36,744,823 25,444,093 10,837,567	7,637,071 4,070,170 2,363,700	52,099,110 31,401,623 10,388,232	19,487,650 13,121,759 0,437,825	10,874,800 8,048,896 5,453,489	21,586,856 13,743,448 8,013,622	29,296,265 18,378,554 11,033,780	10,430,052 5,625,763 3,934,816	60,880,017 34,220,957 18,005,448	43,202,818 23,037,361 10,913,568	17,183,003 9,495,608 5,740,050	19,904,767 13,029,654 8,411,874	19,146,618 13,373,465 7,359,301	32 33 34
25,419,018 18,641,088 12,601,270 7,297,005 4,260,031 2,603,030	4,852,215 2,904,930 1,458,800 1,422,375 900,715 401,210	30,694,770 24,890,457 12,378,700 0,368,525 3,527,005 2,107,860	13,270,186 9,120,607 3,008,690 3,288,180 2,298,008 1,384,980	12,157,033 6,422,081 3,871,230 2,720,277 1,507,424 748,280	12,800,347 8,707,193 5,345,790 5,203,550 2,806,115 1,471,170	21,329,576 18,123,806 7,618,170 3,916,391 2,870,216 1,589,750	6,189,970 3,253,713 2,434,130 2,405,555 1,369,055 845,960	48,858,542 26,945,323 13,727,180 6,497,361 4,039,795 2,296,750	33,582,214 18,649,185 7,762,400 5,194,600 2,571,565 1,385,680	11,645,270 6,783,176 4,004,740 2,880,545 1,427,150 956,190	13,580,600 9,023,024 5,766,290 3,767,085 2,549,650 1,755,970	15,071,002 10,715,388 5,570,900 2,048,280 1,467,225 902,840	35 36 37 38 39 40
1,520,791 541,256 380,220 2,602,009 1,995,718 1,154,047	407,316 101,193 115,500 955,765 613,332 328,130	2,300,693 687,801 438,480 3,735,122 2,296,170 1,463,692	940,046 348,078 288,180 1,070,638 1,345,976 765,975	703,566 225,483 146,650 2,421,463 793,908 687,320	1,161,496 435,773 230,690 2,421,463 1,734,367 965,972	1,128,838 411,275 260,920 2,021,430 1,973,257 1,555,940	598,637 605,039 162,960 1,235,890 800,728 501,766	1,785,662 417,330 382,330 3,738,452 2,639,800 1,699,188	1,582,510 261,878 336,480 2,933,494 1,999,272 1,429,008	923,092 261,878 160,770 1,734,096 1,023,395 618,360	950,050 395,228 272,730 1,606,942 1,061,752 616,884	657,271 214,783 103,270 1,370,065 976,069 722,381	41 42 43 44 45 46
13,721 12,217 98.53	0,918 5,084 46.03	10,586 17,317 159.57	7,606 0,463 57.26	12,036 10,611 72.20	12,080 10,075 69.92	10,326 8,899 84.35	5,706 4,702 44.76	25,356 23,055 163.28	23,313 20,881 211.25	21,587 18,249 116.14	11,848 10,326 102.47	18,097 16,181 113.87	47 48 49
1,850 1,745 1,818 60.4 150,157 130,080 20,890,098	888 974 1,018 80.4 80,111 59,335 4,814,390	1,567 1,673 1,699 58.9 130,701 116,160 24,756,587	1,485 1,814 1,989 58.0 148,225 118,659 9,367,157	910 961 988 64.9 96,044 70,789 8,524,385	1,155 1,322 1,470 64.6 107,488 82,645 10,624,107	2,173 2,181 2,320 76.6 185,657 155,093 18,279,392	1,296 1,233 1,158 70.9 102,585 75,427 6,203,905	1,332 1,441 1,607 55.5 132,941 77,617 24,442,374	1,104 1,288 1,409 59.7 87,150 77,617 21,336,999	451 606 578 50.7 51,616 39,574 7,860,650	1,190 1,299 1,388 70.8 90,589 77,313 11,480,845	624 521 799 59.0 71,309 54,101 9,126,965	50 51 52 53 54 55 56
1,567 202 1,582 275 2	807 81 881 7 2	1,092 475 1,552 12 3	1,289 196 1,435 43 7	706 204 548 361 1	977 178 1,132 22 1	1,685 488 2,124 44 5	1,136 100 1,278 17 1	1,052 270 1,226 106	875 229 1,080 24	373 78 443 4	959 231 1,108 7 5	455 169 603 21 61	57 58 59 60 61
42 30 27 10,521 8,586 1,853,975	14 44 8 2,706 2,061 217,050	26 38 34 3,890 3,448 865,279	6 18 16 1,487 1,011 111,120	21 14 7 3,045 1,531 263,275	13 21 7 2,108 1,531 215,830	34 21 27 6,559 5,198 781,912	3 4 3 551 3,379 37,000	38 08 45 7,568 0,082 1,427,302	10 12 11 837 709 205,450	15 9 22 3,606 2,896 595,250	29 25 22 3,864 3,360 826,358	15 17 64 3,089 2,334 389,000	62 63 64 65 66 67
777 676 753 29.0 91,305 76,584 10,966,350	202 288 253 18.3 22,619 15,359 1,243,150	1,067 901 1,074 40.1 114,105 102,173 20,441,429	1,071 1,009 985 41.3 82,034 68,977 7,080,089	471 407 380 33.6 69,089 40,548 6,089,650	619 571 479 34.6 73,416 56,384 7,269,960	630 711 592 22.2 60,445 50,445 6,184,963	529 555 941 28.9 35,169 26,198 2,354,620	1,031 947 965 42.9 158,719 142,447 29,439,727	743 767 810 40.0 70,982 64,017 17,234,365	330 302 244 41.5 45,057 35,487 6,599,915	461 454 560 27.4 38,085 32,938 5,040,672	419 511 591 39.6 57,959 45,968 7,305,717	68 69 70 71 72 73 74
608 9 155 5 680 97	166 3 11 22 201 1	902 63 95 25 1,058 4 5	879 12 95 90 1,020 2 49	324 19 87 46 390 79 2	478 9 95 37 615 4	445 66 111 8 616 10 4	485 16 26 3	694 194 142 1 970 61	523 44 150 26 738 5	272 10 40 8 328 1 1	206 16 239 8 439 11 11	201 104 41 13 417 2 81	75 76 77 78 79 80 81

COUNTY TABLE I.—FARMS AND FARM PROPERTY, 1920, WITH SELECTED ITEMS FOR 1910 AND 1900—Continued.

	Vigo.	Wabash.	Warren.	Warrick.	Washington.	Wayne.	Wells.	White.	Whitley.
ALL FARMS.									
1 Number of farms, 1920.....	2,770	2,529	1,286	2,503	2,549	2,410	2,545	1,991	2,041
2 1910.....	3,029	2,525	1,345	2,838	2,682	2,027	2,655	2,091	2,157
3 1900.....	2,816	2,663	1,506	2,982	2,948	2,583	2,884	2,396	2,113
4 All farmers classified by sex, 1920:									
5 Male.....number..	2,629	2,471	1,250	2,430	2,451	2,347	2,483	1,956	2,010
6 Female.....number..	141	58	36	73	98	63	62	35	31
7 Color and nativity of all farmers, 1920:									
8 Native white.....number..	2,638	2,492	1,262	2,443	2,546	2,356	2,509	1,884	2,025
9 Foreign-born white.....number..	96	30	22	49	3	38	30	107	16
10 Negro and other nonwhite.....number..	36	1	2	11	10	10	10	10	10
11 All farms classified by size, 1920:									
12 Under 3 acres.....number..	11	7	1	8	10	1	5	6	6
13 3 to 9 acres.....number..	282	161	30	85	43	218	83	54	74
14 10 to 19 acres.....number..	335	110	41	110	59	138	89	45	78
15 20 to 49 acres.....number..	681	320	128	527	397	289	455	132	304
16 50 to 99 acres.....number..	688	319	242	915	775	695	1,112	421	800
17 100 to 174 acres.....number..	472	342	376	631	815	749	659	689	604
18 175 to 259 acres.....number..	178	202	248	108	313	221	123	337	180
19 260 to 499 acres.....number..	104	66	200	50	127	80	20	243	41
20 500 to 999 acres.....number..	10	2	19	3	18	4	3	30	3
21 1,000 acres and over.....number..	.....	.....	1	.....	2	.....	5	.....	1
LAND AND FARM AREA.									
22 Approximate land area, 1920.....acres..	261,760	272,000	235,520	250,880	332,160	263,040	233,600	324,480	216,320
23 Land in farms, 1920.....acres..	222,285	249,862	208,204	220,461	304,091	243,777	219,356	314,520	194,017
24 1910.....acres..	230,576	249,827	217,060	235,234	310,059	247,055	220,113	314,583	202,703
25 1900.....acres..	233,996	253,392	218,232	236,357	310,515	250,407	232,433	313,194	200,810
26 Improved land in farms, 1920.....acres..	180,023	205,986	179,162	188,831	208,274	197,717	192,372	270,447	159,653
27 1910.....acres..	190,273	200,925	191,711	207,786	212,097	202,002	194,733	277,753	162,095
28 1900.....acres..	192,043	205,986	185,085	202,705	218,116	200,713	190,475	258,005	164,773
29 Woodland in farms, 1920.....acres..	25,925	30,452	20,727	17,389	31,630	31,756	25,029	20,832	23,026
30 Other unimproved land in farms, 1920.....acres..	10,337	13,424	8,315	14,241	14,187	14,564	1,665	17,241	7,238
31 Per cent of land area in farms, 1920.....	84.9	91.9	88.4	87.9	91.5	92.7	93.9	96.9	90.1
32 Per cent of farm land improved, 1920.....	81.0	82.4	86.1	85.7	88.5	81.1	87.7	87.9	81.9
33 Average acreage per farm, 1920.....	80.2	98.6	161.9	88.1	119.3	101.2	80.2	153.0	95.5
34 Average improved acreage per farm, 1920.....	65.0	81.4	139.3	75.4	81.7	82.0	75.6	188.8	78.2
VALUE OF FARM PROPERTY.									
35 All farm property, 1920.....dollars..	27,096,521	44,607,502	39,886,369	18,757,406	10,634,286	43,840,405	43,353,257	59,983,414	29,343,181
36 1910.....dollars..	20,472,949	20,492,101	24,180,308	13,124,954	11,206,519	24,035,733	20,207,420	30,393,732	18,283,979
37 1900.....dollars..	11,711,202	13,330,344	12,850,628	6,914,670	6,398,438	14,140,158	12,124,010	15,734,036	9,211,593
38 Land in farms, 1920.....dollars..	10,407,893	31,861,408	33,308,042	11,969,999	9,601,170	29,627,001	31,467,890	48,849,220	18,951,687
39 1910.....dollars..	15,655,496	18,755,610	20,005,435	8,730,315	7,192,891	17,039,980	18,602,087	24,439,782	12,605,733
40 1900.....dollars..	8,480,440	8,707,370	9,981,030	4,652,220	4,110,760	9,755,200	8,060,400	12,048,090	5,850,470
41 Farm buildings, 1920.....dollars..	4,668,870	7,000,696	3,060,155	3,633,837	3,302,896	7,091,855	6,711,935	5,307,555	5,940,645
42 1910.....dollars..	2,910,153	4,289,105	1,968,650	2,374,975	2,057,415	4,248,281	4,315,958	2,799,140	3,806,943
43 1900.....dollars..	1,855,020	2,473,990	1,352,210	1,188,380	1,042,840	2,470,930	2,227,200	1,830,150	1,855,780
44 Implements and machinery, 1920.....dollars..	954,299	1,967,120	1,176,159	987,449	1,007,611	2,119,812	1,893,385	1,739,444	1,588,064
45 1910.....dollars..	344,600	731,111	430,564	413,371	362,731	502,094	635,439	546,139	523,636
46 1900.....dollars..	250,630	391,590	242,080	295,760	260,460	414,960	424,170	309,270	309,140
47 Live stock on farms, 1920.....dollars..	2,065,459	3,735,273	2,252,013	2,106,121	2,632,609	3,907,737	3,280,547	4,037,195	2,856,885
48 1910.....dollars..	1,553,691	2,080,305	1,775,719	1,606,203	1,652,482	2,278,422	2,453,442	2,578,671	1,887,007
49 1900.....dollars..	1,086,112	1,067,394	1,275,208	778,310	984,378	1,493,008	1,412,180	1,646,826	1,202,203
50 Average values, 1920:									
51 All property per farm.....dollars..	9,782	17,623	31,016	7,494	6,526	17,986	17,035	30,127	14,377
52 Land and buildings per farm.....dollars..	8,092	15,367	28,350	6,234	6,068	15,485	15,002	27,201	12,109
53 Land alone per acre.....dollars..	87.31	127.62	160.41	54.30	31.87	121.53	143.45	155.31	97.23
FARMS OPERATED BY OWNERS.									
54 Number of farms, 1920.....	1,846	1,497	671	1,705	2,022	1,555	1,615	954	1,409
55 1910.....	2,064	1,653	755	2,009	2,176	1,732	1,790	1,113	1,555
56 1900.....	1,085	1,731	857	2,141	1,764	1,233	1,184	1,394	1,022
57 Per cent of all farms, 1920.....	66.6	59.2	52.2	70.5	70.3	64.5	63.5	47.0	69.0
58 Land in farms, 1920.....acres..	134,813	125,555	97,232	158,079	231,630	132,994	126,021	132,702	122,413
59 Improved land in farms, 1920.....acres..	110,290	104,650	80,877	135,864	158,957	100,623	110,976	115,822	100,880
60 Value of land and buildings, 1920.....dollars..	14,170,206	20,136,406	16,692,815	11,027,595	9,732,466	20,688,065	22,091,160	22,504,005	15,709,455
61 Degree of ownership, 1920:									
62 Farmers owning entire farm.....number..	1,839	1,271	477	1,452	1,820	1,323	1,373	747	1,181
63 Farmers sharing additional land.....number..	457	226	194	313	106	232	242	207	223
64 Color and nativity of owners, 1920:									
65 Native white owners.....number..	1,744	1,468	655	1,717	2,019	1,508	1,587	879	1,304
66 Foreign-born white owners.....number..	77	28	15	45	3	33	28	75	15
67 Negro and other nonwhite owners.....number..	25	1	1	3	.....	14	.....	.....	.....
FARMS OPERATED BY MANAGERS.									
68 Number of farms, 1920.....	52	44	24	34	22	23	18	37	13
69 1910.....	67	22	30	22	25	34	22	47	19
70 1900.....	31	57	10	14	10	30	13	37	21
71 Land in farms, 1920.....acres..	9,936	6,786	4,741	4,567	5,626	3,618	2,474	10,962	3,077
72 Improved land in farms, 1920.....acres..	7,368	5,216	3,559	3,800	3,817	2,612	2,112	8,238	2,348
73 Value of land and buildings, 1920.....dollars..	1,517,480	1,046,500	776,000	347,000	297,750	683,000	523,000	1,788,420	392,900
FARMS OPERATED BY TENANTS.									
74 Number of farms, 1920.....	872	988	591	704	505	832	912	1,000	619
75 1910.....	898	850	560	807	481	861	843	926	583
76 1900.....	800	875	639	827	500	783	738	974	470
77 Per cent of all farms, 1920.....	31.5	39.1	46.0	28.1	19.8	34.5	35.8	50.2	30.3
78 Land in farms, 1920.....acres..	77,536	117,521	106,231	57,815	66,926	107,105	90,861	170,856	69,427
79 Improved land in farms, 1920.....acres..	62,365	96,111	94,726	49,167	46,000	85,482	79,284	152,387	50,425
80 Value of land and buildings, 1920.....dollars..	8,339,077	17,628,108	18,989,382	4,229,241	2,963,850	15,947,191	15,564,565	20,774,350	8,795,877
81 Form of tenancy, 1920:									
82 Share tenants.....number..	400	749	392	620	436	609	645	640	541
83 Share-cash tenants.....number..	100	71	126	5	3	13	14	247	4
84 Cash tenants.....number..	264	145	61	50	29	123	166	74	62
85 Unspecified.....number..	48	23	12	20	37	27	87	39	12
86 Color and nativity of tenants, 1920:									
87 Native white tenants.....number..	844	981	584	692	505	825	904	968	618
88 Foreign-born white tenants.....number..	19	7	6	4	.....	5	8	32	1
89 Negro and other nonwhite tenants.....number..	9	.....	1	8	.....	2	.....	.....	.....

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES, 1920; AND LIVE-STOCK PRODUCTS, 1919.

	THE STATE.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.
DOMESTIC ANIMALS: 1920.							
1 Farms reporting domestic animals.....number..	197,929	2,229	4,118	1,991	1,223	1,098	2,993
2 Value of all domestic animals.....dollars..	244,164,616	2,958,605	5,069,494	2,699,110	2,947,525	1,326,474	4,662,222
Horses:							
3 Total number.....	717,233	9,584	15,913	6,943	9,987	3,935	12,245
4 Colts under 1 year of age.....	31,915	548	681	284	567	108	513
5 Colts 1 year old and under 2 years.....	39,090	728	884	291	694	178	638
6 Mares 2 years old and over.....	368,725	5,056	8,102	3,581	4,827	2,214	6,964
7 Geldings 2 years old and over.....	274,232	3,202	6,200	2,744	3,846	1,424	4,098
8 Stallions 2 years old and over.....	3,271	50	66	43	53	11	32
9 Total value.....dollars..	66,703,216	918,248	1,625,233	656,112	989,395	358,438	1,182,018
Mules:							
10 Total number.....	100,358	250	394	2,335	687	230	717
11 Mule colts under 1 year of age.....	14,509	53	51	232	108	66	210
12 Mule colts 1 year old and under 2 years.....	13,687	53	67	199	74	30	172
13 Mules 2 years old and over.....	72,162	144	276	1,904	510	134	385
14 Total value.....dollars..	11,988,392	29,424	45,360	308,725	80,642	23,457	80,602
Asses and burros:							
15 Total number.....	1,211	2	7	9	9	3	10
16 Total value.....dollars..	181,642	960	1,675	1,469	1,500	300	1,215
Cattle:							
17 Total number.....	1,546,095	18,570	31,168	15,460	15,511	7,665	21,458
18 Total value.....dollars..	94,529,884	1,148,489	2,082,296	911,223	1,029,043	478,202	1,556,178
Beef cattle—							
19 Total number.....	599,694	3,812	7,121	6,644	9,754	1,938	6,957
20 Calves under 1 year of age.....	158,923	918	1,844	1,552	2,356	1,921	567
21 Heifers 1 year old and under 2 years.....	75,683	523	871	962	1,108	240	1,074
22 Cows and heifers 2 years old and over.....	171,171	888	1,580	1,789	2,578	559	1,649
23 Steers 1 year old and under 2 years.....	109,333	1,087	1,665	967	1,990	417	1,599
24 Steers 2 years old and over.....	70,047	289	951	1,218	1,514	581	581
25 Bulls 1 year old and over.....	14,537	127	210	156	208	133	133
26 Total value.....dollars..	35,859,678	226,458	454,712	398,490	667,498	137,115	478,965
Dairy cattle—							
27 Total number.....	946,401	14,758	24,047	8,816	5,757	5,727	14,501
28 Calves under 1 year of age.....	200,243	3,209	4,817	1,845	1,425	1,496	3,145
29 Heifers 1 year old and under 2 years.....	118,662	2,004	3,386	1,010	697	724	1,744
30 Cows and heifers 2 years old and over.....	608,211	9,268	15,294	5,808	3,437	3,452	9,340
31 Bulls 1 year old and over.....	19,286	277	550	158	198	55	272
32 Total value.....dollars..	58,670,206	923,031	1,627,584	512,735	361,646	341,087	1,077,213
Sheep:							
33 Total number.....	643,889	9,175	19,093	4,131	4,503	6,465	14,526
34 Lambs under 1 year of age.....	162,832	1,449	4,837	789	1,488	1,914	3,431
35 Ewes 1 year old and over.....	481,057	7,726	13,256	3,219	2,992	4,356	10,089
36 Rams 1 year old and over.....	19,298	240	513	139	128	173	531
37 Wethers 1 year old and over.....	8,034	21	121	4	795	22	275
38 Total value.....dollars..	7,628,968	102,636	235,737	43,911	55,475	73,839	169,040
Goats:							
39 Total number.....	7,872	24	15	138	28	1	46
40 Total value.....dollars..	37,294	94	126	591	262	2	147
Swine:							
41 Total number.....	3,757,135	48,705	67,127	45,418	38,188	23,963	58,638
42 Pigs under 6 months old.....	2,171,143	29,326	41,491	25,480	14,758	14,474	50,407
43 Sows and gilts for breeding, 6 months old and over.....	636,025	7,412	9,808	7,165	7,165	4,191	15,836
44 Boars for breeding, 6 months old and over.....	59,888	824	976	667	757	432	1,470
45 All other hogs, 6 months old and over.....	890,079	10,443	14,852	12,101	15,532	4,866	20,919
46 Total value.....dollars..	69,095,220	758,855	1,079,067	777,079	791,208	392,189	1,672,122
POULTRY AND BEES: 1920.							
47 Chickens.....number..	10,754,293	261,827	365,061	154,586	121,240	115,848	277,751
48 Other poultry.....number..	393,283	5,538	8,583	3,906	3,469	2,178	4,702
49 Value of all poultry.....dollars..	16,767,365	261,176	389,801	162,478	131,594	117,971	287,746
50 Bees.....number of hives..	87,045	1,401	1,613	575	607	369	1,464
51 Total value.....dollars..	342,207	4,567	6,488	3,137	1,820	1,379	5,528
LIVE-STOCK PRODUCTS: 1919.							
Dairy products:							
52 Milk produced (as reported).....gallons..	212,009,849	3,288,731	5,552,113	1,896,029	811,755	1,245,078	3,254,786
53 Milk sold.....gallons..	46,107,166	1,252,777	1,078,014	306,282	47,834	71,517	1,643,383
54 Cream sold.....gallons..	5,907,414	76,221	123,015	84,847	27,401	35,949	71,358
55 Butter fat sold.....pounds..	26,022,440	258,322	548,723	187,838	52,009	161,895	188,396
56 Butter made on farms.....pounds..	18,344,239	189,501	511,651	187,659	116,336	149,201	163,621
57 Butter sold.....pounds..	6,438,298	37,770	210,374	45,012	21,643	54,212	52,710
58 Cheese made on farms.....pounds..	100,234	19,325	15,537	341	55	.....	.....
59 Value of dairy products.....dollars..	44,072,646	653,046	1,034,572	387,978	142,266	242,932	759,755
60 Receipts from sale of dairy products.....dollars..	38,003,286	569,588	873,657	331,449	90,799	102,536	699,795
61 Average production of milk per dairy cow.....gallons..	354	394	379	325	258	379	351
Eggs and chickens:							
62 Eggs produced (as reported).....dozens..	80,618,655	1,325,650	1,733,174	683,997	347,652	541,630	1,481,371
63 Eggs sold.....dozens..	59,959,361	1,094,746	1,218,296	491,635	179,545	429,173	1,044,218
64 Chickens raised (as reported).....number..	20,657,095	247,184	394,810	218,096	120,996	138,311	397,319
65 Chickens sold.....number..	8,519,282	121,187	187,545	89,774	64,218	55,455	147,353
66 Value of chickens and eggs produced.....dollars..	49,876,763	760,141	1,081,722	472,333	280,166	336,548	912,905
67 Receipts from sale of chickens and eggs.....dollars..	30,920,477	546,484	679,906	275,748	147,258	221,298	504,090
Honey and wax:							
68 Honey produced.....pounds..	582,380	10,239	10,949	3,734	2,371	1,775	9,343
69 Wax produced.....pounds..	8,115	24	412	20	24	30	68
70 Value of honey and wax.....dollars..	189,280	3,255	3,652	1,202	768	579	3,014
Wool:							
71 Sheep shorn.....number..	469,119	6,910	12,768	2,509	3,033	5,160	12,703
72 Wool produced (as reported).....pounds..	3,383,889	51,334	102,032	17,024	21,155	39,272	90,420
73 Value.....dollars..	1,906,384	28,595	59,477	9,720	11,101	22,187	46,481

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS NOT ON FARMS OR RANGES: 1920.

	THE STATE.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.
1 Inclosures reporting domestic animals.....	59,513	491	1,158	810	320	351	508
2 Horses, total number.....	59,519	427	1,745	704	261	349	455
3 Mules, total number.....	5,557	12	82	65	15	9	17
4 Asses and burros, total number.....	229	.....	1	2	3	.....	1
5 Cattle, total number.....	45,276	440	793	583	320	251	436
6 Dairy cows.....	32,323	356	548	376	215	190	302
7 Sheep, total number.....	4,339	26	174	68	10	1	.....
8 Goats, total number.....	671	17	26	12	.....	5	1
9 Swine, total number.....	99,064	1,033	1,911	1,964	701	277	1,124

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES.

		Brown.	Carroll.	Cass.	Clark.	Clay.	Clinton.	Crawford.	Davless.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals..... number..	1,299	2,054	2,366	1,890	2,320	2,355	1,750	2,523
2	Value of all domestic animals..... dollars..	744,442	3,569,819	3,401,702	1,840,127	1,958,425	4,412,814	1,073,255	2,595,268
3	Horses:								
4	Total number.....	2,930	8,476	9,253	4,893	7,493	10,853	3,606	8,280
5	Colts under 1 year of age.....	86	264	412	192	318	444	178	502
6	Colts 1 year old and under 2 years.....	129	452	528	233	488	682	170	514
7	Mares 2 years old and over.....	1,865	4,677	4,802	2,475	3,655	6,036	1,845	4,277
8	Geldings 2 years old and over.....	1,036	3,126	3,479	1,861	3,059	5,052	1,391	2,948
9	Stallions 2 years old and over.....	14	57	94	27	39	27	89	27
10	Total value..... dollars..	235,714	832,183	860,955	423,082	596,125	1,115,614	357,939	737,161
11	Mules:								
12	Total number.....	541	755	840	1,632	1,190	511	1,080	2,991
13	Mule colts under 1 year of age.....	79	83	118	242	158	80	214	513
14	Mule colts 1 year old and under 2 years.....	52	98	157	225	132	84	216	535
15	Mules 2 years old and over.....	410	574	665	1,215	900	347	650	1,943
16	Total value..... dollars..	59,187	100,287	96,825	175,733	126,827	66,320	110,981	306,699
17	Asses and burros:								
18	Total number.....	9	7	8	10	11	5	32	56
19	Total value..... dollars..	1,630	1,000	2,300	1,015	1,050	616	3,225	7,450
20	Cattle:								
21	Total number.....	5,609	20,437	23,471	14,609	14,462	22,956	8,450	19,183
22	Total value..... dollars..	311,846	1,315,646	1,445,198	860,167	750,052	1,665,646	423,453	909,517
23	Beef cattle—								
24	Total number.....	1,865	12,575	11,906	3,715	4,626	10,948	1,062	10,006
25	Calves under 1 year of age.....	509	4,297	3,036	323	1,431	2,257	298	3,202
26	Heifers 1 year old and under 2 years.....	216	1,583	1,514	239	633	1,082	213	1,309
27	Cows and heifers 2 years old and over.....	809	3,611	3,162	535	1,746	2,110	265	3,474
28	Steers 1 year old and under 2 years.....	234	1,874	2,230	536	517	2,716	135	1,245
29	Steers 2 years old and over.....	54	926	1,049	2,010	176	2,028	108	1,561
30	Bulls 1 year old and over.....	43	284	306	72	123	155	43	215
31	Total value..... dollars..	93,569	789,591	742,318	238,612	238,838	785,633	44,410	400,096
32	Dairy cattle—								
33	Total number.....	3,744	7,892	11,565	10,894	9,836	12,608	7,388	9,157
34	Calves under 1 year of age.....	740	1,750	2,578	2,053	2,225	2,959	1,641	2,190
35	Heifers 1 year old and under 2 years.....	468	790	1,385	1,392	1,218	1,477	1,034	1,345
36	Cows and heifers 2 years old and over.....	2,484	5,207	7,444	7,223	6,204	7,940	4,590	5,510
37	Bulls 1 year old and over.....	52	109	158	226	189	232	123	142
38	Total value..... dollars..	218,277	526,055	702,880	621,555	511,214	879,908	379,043	440,421
39	Sheep:								
40	Total number.....	2,066	5,852	8,761	4,354	3,182	6,105	3,003	4,666
41	Lambs under 1 year of age.....	390	939	2,003	407	787	1,627	403	954
42	Ewes 1 year old and over.....	1,572	4,731	6,129	3,705	2,293	4,329	2,375	3,428
43	Rams 1 year old and over.....	93	174	261	147	89	192	94	205
44	Wethers 1 year old and over.....	2	8	358	5	13	17	131	9
45	Total value..... dollars..	10,483	74,656	100,512	53,239	30,639	73,278	31,881	49,523
46	Goats:								
47	Total number.....	446	17	90	88	72	126	41	11
48	Total value..... dollars..	1,704	119	587	409	312	387	221	35
49	Swine:								
50	Total number.....	7,787	67,902	59,108	23,087	30,164	77,849	12,370	39,626
51	Pigs under 6 months old.....	4,703	37,553	32,546	13,771	17,805	43,135	8,025	24,213
52	Sows and gilts for breeding, 6 months old and over.....	1,378	11,227	9,253	3,464	4,352	13,318	2,236	5,793
53	Boars for breeding, 6 months old and over.....	76	1,101	1,001	272	423	1,148	115	543
54	All other hogs, 6 months old and over.....	1,630	18,021	13,308	5,580	7,878	20,248	1,094	9,077
55	Total value..... dollars..	114,878	1,245,428	949,325	334,582	453,520	1,491,053	139,555	524,883
POULTRY AND BEES: 1920.									
56	Chickens. number..	75,066	183,219	206,010	131,076	160,198	191,382	131,510	203,269
57	Other poultry.....	1,565	3,332	5,360	3,457	6,954	3,114	7,916	7,770
58	Value of all poultry..... dollars..	74,870	187,217	218,140	117,595	193,346	201,520	114,433	195,314
59	Bees. number of hives..	621	762	896	1,143	1,351	822	286	1,841
60	Total value..... dollars..	3,250	2,843	3,779	3,878	7,030	3,165	952	7,612
LIVE-STOCK PRODUCTS: 1919.									
61	Dairy products:								
62	Milk produced (as reported)..... gallons..	744,615	1,894,819	2,519,998	2,085,967	2,083,933	2,539,111	1,393,060	1,973,808
63	Milk sold..... gallons..	4,895	109,856	341,095	355,515	191,320	684,133	25,125	119,205
64	Cream sold..... gallons..	7,010	58,201	85,376	71,966	42,400	97,950	41,065	55,405
65	Butter fat sold..... pounds..	53,228	330,266	302,150	401,248	361,711	255,322	259,750	227,579
66	Butter made on farms..... pounds..	144,074	169,000	225,404	127,766	290,548	127,260	139,576	232,826
67	Butter sold..... pounds..	40,942	35,202	72,874	67,626	107,638	24,742	41,194	51,805
68	Cheese made on farms..... pounds..	20	20	353	400	57	57	220	220
69	Value of dairy products..... dollars..	104,673	399,904	492,988	477,594	432,363	560,347	247,449	355,606
70	Receipts from sale of dairy products..... dollars..	61,206	337,148	413,651	448,243	342,855	502,937	208,075	288,470
71	Average production of milk per dairy cow..... gallons..	308	307	322	358	339	316	318	313
72	Eggs and chickens:								
73	Eggs produced (as reported)..... dozens..	331,588	906,359	971,708	592,104	779,175	870,961	797,825	976,638
74	Eggs sold..... dozens..	246,460	629,857	656,542	438,535	517,625	574,977	702,288	736,156
75	Chickens raised (as reported)..... number..	72,278	343,892	239,718	142,509	256,801	298,385	120,473	301,913
76	Chickens sold..... number..	31,319	104,701	105,688	62,269	105,569	118,930	55,098	105,870
77	Value of chickens and eggs produced..... dollars..	185,994	688,308	608,332	336,204	532,519	617,899	438,533	581,044
78	Receipts from sale of chickens and eggs..... dollars..	119,282	344,467	353,643	215,960	296,588	325,293	349,885	346,423
79	Honey and wax:								
80	Honey produced..... pounds..	6,087	2,920	5,044	6,055	13,262	5,064	1,659	20,551
81	Wax produced..... pounds..	50	.....	16	274	327	8	7	860
82	Value of honey and wax..... dollars..	1,966	934	1,620	2,037	4,362	1,623	534	6,886
83	Wool:								
84	Sheep shorn..... number..	1,497	3,737	5,792	3,418	2,180	5,174	2,021	3,609
85	Wool produced (as reported)..... pounds..	10,037	28,468	43,754	19,711	14,337	37,605	11,185	25,297
86	Value..... dollars..	5,086	15,372	24,398	11,974	7,973	19,355	6,636	13,709

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1	Inoclosures reporting domestic animals.....	152	544	665	763	1,535	586	258	727
2	Horses, total number.	99	476	752	571	1,013	692	127	608
3	Mules, total number.	9	26	33	115	80	21	21	87
4	Asses and burros, total number......	.....	.....	2	3	.....	5	2	12
5	Cattle, total number.	128	624	456	569	764	466	258	679
6	Dairy cows.....	77	422	311	454	560	334	208	490
7	Sheep, total number......	.....	54	132	4	16	20	25	58
8	Goats, total number......	.....	17	7	5	16	4	1	13
9	Swine, total number.	174	1,609	937	1,278	2,593	1,465	309	1,732

1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Dearborn.	Decatur.	De Kalb.	Delaware.	Dubois.	Elkhart.	Fayette.	Floyd.	Fountain.	Franklin.	Fulton.	Gibson.	Grant.	
2,042	1,845	2,390	2,719	2,142	2,976	1,039	1,183	1,870	2,005	2,167	2,519	2,850	1
1,737,004	3,309,704	2,807,818	4,242,040	1,768,526	3,232,709	1,847,457	636,215	2,520,250	2,622,117	2,704,340	2,900,451	3,817,809	2
5,406	7,522	8,486	10,088	6,341	10,547	4,240	2,282	8,480	6,524	8,000	8,877	10,212	3
196	297	246	387	307	497	148	59	371	170	411	427	419	4
209	343	402	443	299	665	235	64	537	245	464	410	600	5
2,424	3,068	4,393	5,528	3,173	5,841	2,154	957	4,474	3,130	4,274	4,092	5,579	6
2,559	3,106	3,422	3,683	2,523	3,487	1,699	1,188	3,061	2,962	2,800	3,920	3,587	7
18	108	23	44	84	57	6	14	37	17	45	28	47	8
460,012	728,289	810,461	1,069,449	549,380	1,014,734	407,066	185,066	678,064	621,527	746,516	833,022	1,052,301	9
822	1,943	188	479	1,782	295	457	465	1,237	805	329	3,605	648	10
90	440	11	68	198	43	49	30	299	89	64	383	103	11
103	307	10	77	202	62	29	45	231	88	49	537	108	12
620	1,106	158	334	1,382	200	379	390	707	628	216	2,685	437	13
88,211	251,334	20,770	66,077	207,076	35,935	62,796	45,036	135,799	96,569	40,808	418,599	77,924	14
4	19	1	3	22	11	3	1	0	6	3	29	3	15
706	4,050	1,000	645	3,028	935	450	50	3,022	800	300	4,098	500	16
16,448	19,766	16,675	20,862	16,125	22,293	8,852	6,186	14,308	17,061	21,201	17,062	20,768	17
919,397	1,323,040	1,130,222	1,369,677	627,295	1,574,909	516,332	322,446	895,867	912,539	1,242,896	835,706	1,333,845	18
1,724	11,208	5,054	6,086	6,144	3,584	4,315	205	5,175	5,063	11,142	7,338	6,494	19
430	2,321	1,552	1,541	1,502	716	1,531	23	1,317	1,268	3,331	2,115	3,005	20
343	1,570	694	671	807	426	386	21	608	752	1,477	1,037	847	21
384	2,252	1,015	2,001	2,452	728	1,028	43	1,495	1,326	8,389	2,557	1,708	22
383	2,525	1,084	1,149	728	848	742	7	1,480	968	1,725	1,001	1,341	23
97	2,386	549	559	410	765	320	97	165	507	1,044	402	594	24
87	148	160	165	245	101	108	14	110	182	165	226	190	25
102,850	757,947	300,887	402,134	230,223	260,582	220,318	14,233	311,190	267,291	634,008	341,413	407,516	26
14,724	8,548	11,021	14,776	9,981	18,709	4,537	5,981	9,133	11,998	10,059	9,724	14,274	27
2,716	1,937	1,984	3,683	2,497	3,684	910	1,014	2,472	2,376	2,376	2,271	3,005	28
1,834	1,957	1,480	1,806	1,454	2,490	481	879	918	1,613	1,193	1,227	1,766	29
9,837	5,830	7,946	9,027	5,710	12,140	3,061	3,957	5,561	7,752	6,337	6,029	8,658	30
337	124	202	260	311	395	85	131	182	325	197	255	31	31
816,547	565,069	823,335	967,543	397,072	1,314,327	296,014	308,213	584,687	645,248	608,288	494,293	926,329	32
2,298	5,055	15,635	12,269	2,511	13,242	3,943	485	7,660	6,638	11,609	3,931	13,195	33
403	818	2,815	3,012	444	4,273	874	109	1,956	1,146	2,907	734	2,851	34
1,729	4,057	12,325	8,828	1,928	8,745	2,862	359	5,392	5,264	8,363	3,033	9,594	35
66	165	491	350	134	217	147	15	288	225	305	102	383	36
95	15	4	79	5	7	60	2	24	3	34	2	367	37
31,232	59,316	212,912	134,097	21,968	149,449	49,175	5,203	90,764	79,699	139,077	50,087	146,120	38
13	17	2	30	61	436	80	18	104	43	8	50	11	39
75	60	6	281	302	2,429	287	96	823	206	40	178	42	40
10,038	55,835	35,904	68,251	30,104	28,492	40,329	6,072	43,018	50,913	34,279	54,750	71,019	41
10,396	31,016	22,284	36,134	17,034	17,951	25,377	3,955	26,107	26,215	20,857	30,949	41,499	42
2,183	8,704	5,555	12,348	3,746	4,822	7,710	880	6,447	6,447	6,542	7,531	13,041	43
202	626	513	1,108	518	303	1,092	89	1,011	617	502	856	1,174	44
3,257	15,399	7,552	18,661	8,206	5,356	12,150	1,148	7,507	17,634	6,318	15,414	15,305	45
238,071	948,669	632,447	1,611,814	349,479	454,318	811,351	77,688	721,911	910,717	534,703	763,761	1,207,077	46
165,353	181,092	227,164	271,083	205,494	215,133	88,102	57,890	156,647	194,874	203,999	178,588	291,109	47
4,359	3,742	4,472	3,994	4,730	3,779	1,835	1,835	4,224	10,866	4,765	5,300	4,275	48
162,982	180,293	230,608	264,893	165,188	221,022	89,454	50,758	160,260	191,880	214,033	163,460	235,358	49
1,164	700	906	1,423	966	1,404	194	572	770	646	814	1,161	1,328	50
4,013	2,819	2,610	3,443	3,898	4,507	976	1,006	4,204	4,439	2,217	3,031	4,765	51
2,721,046	1,854,031	2,021,574	3,420,938	1,736,932	4,375,411	1,141,985	1,296,385	1,797,916	2,068,850	2,928,931	1,769,182	3,309,421	52
248,661	354,506	201,139	1,114,161	71,530	1,837,263	219,250	374,600	79,256	192,442	385,620	109,264	613,257	53
31,120	45,830	62,864	159,196	50,715	95,963	7,108	16,163	16,357	84,326	47,110	90,058	55,481	54
751,195	254,923	471,982	120,893	231,617	514,882	168,118	164,473	308,129	416,227	549,187	203,762	595,060	55
167,438	167,959	334,623	299,580	130,342	246,420	134,574	174,451	172,064	208,190	201,460	214,381	325,687	56
88,062	45,078	93,019	135,963	45,491	105,713	56,189	145,283	39,190	87,713	39,348	54,965	108,194	57
717	382,144	74	700	2,602	660	400	1,440	60	750	25	375	2,518	58
616,729	308,871	550,208	749,311	263,195	1,022,294	228,622	324,990	288,321	492,260	555,840	362,589	759,028	59
576,702	308,871	438,549	665,797	227,528	946,395	189,305	309,277	224,532	434,990	473,315	287,451	643,742	60
818	329	394	374	245	417	372	360	341	345	377	305	397	61
955,803	1,031,109	1,140,821	1,834,338	1,110,155	1,028,232	394,685	270,758	659,311	1,036,830	1,034,684	857,738	1,472,835	62
774,948	780,055	887,597	1,033,290	894,266	765,427	275,778	189,524	443,760	850,731	795,737	639,406	1,168,662	63
198,191	225,632	224,012	310,452	160,704	252,510	134,122	77,965	224,738	201,749	208,023	285,239	358,045	64
83,910	99,821	120,753	120,050	72,059	116,308	49,426	35,633	93,877	83,879	102,733	117,197	137,308	65
537,262	610,912	689,716	809,112	528,187	669,035	295,898	165,997	446,080	612,167	638,430	545,534	871,176	66
368,389	399,756	482,135	509,790	378,468	425,413	165,883	106,107	249,504	417,424	438,873	329,558	563,250	67
6,005	2,539	1,148	4,134	4,122	2,587	940	1,875	4,901	5,437	2,642	3,682	8,604	68
93	8	1	1	64	23	25	48	45	83	31	114	62	69
1,955	815	376	1,323	1,342	836	310	617	1,584	1,770	856	1,219	2,775	70
1,038	3,724	13,822	8,612	1,680	8,097	3,246	320	5,652	5,402	8,024	2,685	9,240	71
11,614	23,201	105,368	64,489	11,547	57,965	24,721	1,871	41,127	36,010	60,950	20,743	69,461	72
6,734	14,900	64,511	35,208	6,441	34,588	13,812	1,041	23,489	20,820	36,484	11,366	37,260	73

NOT ON FARMS OR RANGES: 1920—Continued.

371	433	411	1,084	445	644	241	520	528	361	383	967	1,084	1
305	416	440	1,190	420	811	307	513	451	412	357	899	1,043	2
30	38	17	16	98	22	12	45	20	29	20	134	52	3
1	-----	-----	2	10	-----	-----	-----	-----	-----	1	16	6	4
294	347	315	771	302	544	86	313	406	382	478	1,013	649	5
175	278	248	569	237	406	48	248	332	221	306	768	514	6
17	15	143	104	8	148	-----	-----	17	52	34	31	142	7
1	7	-----	11	1	-----	-----	5	3	-----	2	14	1	8
2,174	531	463	1,360	709	544	183	751	665	775	721	2,713	1,206	9

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

		Greene.	Hamilton.	Hancock.	Harrison.	Hendricks.	Henry.	Howard.	Huntington.
DOMESTIC ANIMALS: 1920.									
1	Farms reporting domestic animals.....number..	3,285	2,815	2,000	2,852	2,488	2,482	2,109	2,563
2	Value of all domestic animals.....dollars..	2,706,707	4,010,133	2,844,301	1,787,803	3,799,647	3,940,581	3,172,665	3,285,288
3	Horses:								
4	Total number.....	8,650	11,539	8,295	7,046	9,263	10,059	8,136	9,010
5	Colts under 1 year of age.....	387	533	399	314	325	474	326	285
6	Colts 1 year old and under 2 years.....	429	694	521	258	432	583	409	440
7	Mares 2 years old and over.....	4,380	6,328	4,519	3,346	5,017	5,678	4,646	4,685
8	Geldings 2 years old and over.....	3,417	3,920	2,814	3,061	3,455	3,363	2,759	3,608
9	Stallions 2 years old and over.....	37	44	42	37	81	61	30	42
10	Total value.....dollars..	780,007	1,030,385	816,561	614,328	816,252	986,287	839,716	910,740
11	Mules:								
12	Total number.....	2,378	504	470	972	1,274	732	296	526
13	Mule colts under 1 year of age.....	378	144	109	125	273	81	78	95
14	Mule colts 1 year old and under 2 years.....	405	109	64	101	156	128	54	67
15	Mules 2 years old and over.....	1,595	251	297	746	815	523	104	364
16	Total value.....dollars..	285,553	51,731	53,351	97,873	151,593	99,704	30,614	63,056
17	Asses and burros:								
18	Total number.....	40	13	5	25	12	2	7	3
19	Total value.....dollars..	5,650	1,630	1,965	4,021	2,650	500	627	1,150
20	Cattle:								
21	Total number.....	19,047	21,136	13,419	15,008	19,254	19,032	15,725	22,370
22	Total value.....dollars..	1,054,261	1,573,683	883,514	703,056	1,444,505	1,232,115	1,023,648	1,318,782
23	Beef cattle—								
24	Total number.....	9,177	5,670	4,040	1,091	7,043	7,325	5,187	11,724
25	Calves under 1 year of age.....	2,784	1,744	1,254	213	1,209	2,310	1,086	3,835
26	Heifers 1 year old and under 2 years.....	1,101	881	465	121	750	1,112	599	1,538
27	Cows and heifers 2 years old and over.....	3,435	1,659	1,111	296	1,657	1,812	1,368	3,811
28	Steers 1 year old and under 2 years.....	1,068	1,036	663	124	2,088	1,256	1,065	1,584
29	Steers 2 years old and over.....	489	259	417	280	1,167	631	314	636
30	Bulls 1 year old and over.....	210	101	130	57	82	204	155	320
31	Total value.....dollars..	426,100	524,619	264,348	53,978	505,143	475,752	335,590	643,059
32	Dairy cattle—								
33	Total number.....	10,770	15,466	9,379	13,917	12,211	11,707	10,538	10,646
34	Calves under 1 year of age.....	2,273	2,941	2,054	3,084	2,336	2,704	2,646	2,490
35	Heifers 1 year old and under 2 years.....	1,243	1,896	1,053	2,065	1,269	1,360	1,308	1,376
36	Cows and heifers 2 years old and over.....	7,095	10,290	6,069	8,436	8,352	7,440	6,383	6,582
37	Bulls 1 year old and over.....	159	333	203	332	224	203	201	198
38	Total value.....dollars..	628,161	1,049,064	619,166	649,078	939,362	756,363	687,958	675,723
39	Sheep:								
40	Total number.....	6,451	7,983	6,443	4,827	11,230	9,655	4,597	8,422
41	Lambs under 1 year of age.....	1,195	1,552	1,400	888	3,115	1,754	779	1,774
42	Ewes 1 year old and over.....	4,996	6,122	4,744	3,720	7,535	7,552	3,606	6,341
43	Rams 1 year old and over.....	178	237	226	209	270	335	196	304
44	Wethers 1 year old and over.....	82	72	4	4	304	14	18	3
45	Total value.....dollars..	61,480	95,732	87,621	55,590	129,481	105,370	64,279	104,607
46	Goats:								
47	Total number.....	45	133	63	20	288	209	29	395
48	Total value.....dollars..	173	1,813	424	68	1,564	980	191	1,405
49	Swine:								
50	Total number.....	34,049	67,203	54,550	25,244	73,504	86,083	62,634	50,108
51	Pigs under 6 months old.....	21,136	40,171	30,615	16,267	42,081	48,377	34,968	35,068
52	Sows and gilts for breeding, 6 months old and over.....	5,411	14,483	9,218	3,542	13,062	16,286	11,008	9,458
53	Boars for breeding, 6 months old and over.....	481	1,284	953	290	1,200	1,320	1,021	921
54	All other hogs, 6 months old and over.....	7,621	11,265	13,764	5,139	17,161	20,100	15,037	10,661
55	Total value.....dollars..	518,977	1,264,659	1,000,425	312,867	1,253,302	1,615,619	1,207,691	881,948
POULTRY AND BEES: 1920.									
56	Chickens.....number..	262,728	237,920	172,455	220,181	234,666	236,329	184,772	255,791
57	Other poultry.....number..	7,017	3,901	3,828	4,762	5,976	3,647	3,084	2,972
58	Value of all poultry.....dollars..	257,785	244,220	173,863	188,103	236,365	234,821	189,115	255,081
59	Bees.....number of hives..	1,980	1,218	813	1,022	563	937	782	1,085
60	Total value.....dollars..	7,093	4,333	2,978	3,436	2,467	3,230	2,941	2,905
LIVE-STOCK PRODUCTS: 1919.									
61	Dairy products:								
62	Milk produced (as reported).....gallons..	2,236,041	3,900,489	2,075,025	2,562,171	2,867,536	2,764,487	2,745,474	3,412,034
63	Milk sold.....gallons..	80,139	2,418,160	393,516	107,258	1,052,326	294,981	737,477	373,447
64	Cream sold.....gallons..	51,680	73,058	64,185	109,561	155,893	116,491	60,219	81,989
65	Butter fat sold.....pounds..	253,454	73,307	299,036	421,421	42,468	286,024	269,348	578,443
66	Butter made on farms.....pounds..	364,500	182,813	151,801	308,421	192,762	294,979	230,676	201,843
67	Butter sold.....pounds..	119,147	77,817	69,220	195,638	70,852	118,759	74,472	55,469
68	Cheese made on farms.....pounds..	2,575	75	1,030	.....	.....	.....	3,993	3,755
69	Value of dairy products.....dollars..	417,489	906,484	426,275	537,525	624,577	543,605	554,564	668,286
70	Receipts from sale of dairy products.....dollars..	298,286	880,361	384,345	480,543	577,533	452,532	467,539	583,728
71	Average production of milk per dairy cow.....gallons..	292	369	357	316	387	376	415	406
72	Eggs and chickens:								
73	Eggs produced (as reported).....dozens..	1,164,552	1,212,378	716,687	1,190,770	987,527	1,066,831	847,520	1,177,811
74	Eggs sold.....dozens..	900,135	925,122	510,571	1,006,132	747,070	723,147	612,764	934,098
75	Chickens raised (as reported).....number..	322,189	324,212	300,984	220,058	287,921	331,418	248,514	321,101
76	Chickens sold.....number..	113,298	133,078	91,524	95,859	101,246	115,691	101,314	130,993
77	Value of chickens and eggs produced.....dollars..	680,212	753,339	557,561	623,747	606,405	734,951	583,571	763,325
78	Receipts from sale of chickens and eggs.....dollars..	415,077	498,744	289,863	466,219	352,020	396,599	349,649	489,350
79	Honey and wax:								
80	Honey produced.....pounds..	14,765	8,851	5,974	5,000	1,344	6,831	4,423	11,140
81	Wax produced.....pounds..	9	285	115	67	100	44	28	6
82	Value of honey and wax.....dollars..	4,728	2,935	1,953	1,624	486	2,202	1,425	3,567
83	Wool:								
84	Sheep shorn.....number..	4,932	7,654	4,693	3,327	6,858	6,001	3,934	6,501
85	Wool produced (as reported).....pounds..	30,480	50,041	35,002	19,629	49,119	43,271	27,626	53,023
86	Value.....dollars..	17,982	26,922	20,580	11,012	27,621	24,416	14,694	29,053

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

		Greene.	Hamilton.	Hancock.	Harrison.	Hendricks.	Henry.	Howard.	Huntington.
1	Inclosures reporting domestic animals.....	1,557	532	447	397	504	777	693	425
2	Horses, total number.....	890	447	475	270	424	834	790	421
3	Mules, total number.....	139	7	13	25	22	17	14	6
4	Asses and burros, total number.....	1	3	.....	1	.....	.....	3	1
5	Cattle, total number.....	1,144	456	561	340	475	600	516	251
6	Dairy cows.....	838	344	331	281	325	400	340	204
7	Sheep, total number.....	1	14	91	11	41	124	23	1
8	Goats, total number.....	4	2	3	2	2	15	15	1
9	Swine, total number.....	3,119	952	1,511	780	1,254	1,554	996	507

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1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Jackson.	Jasper.	Jay.	Jefferson.	Jennings.	Johnson.	Knox.	Kosciusko.	Lagrange.	Lako.	La Porte.	Lawrence.	Madison.	
2,480	1,871	2,483	2,371	1,870	1,994	2,396	3,218	1,984	1,073	2,324	2,172	3,070	1
2,328,251	3,167,204	2,922,908	1,682,481	1,644,524	3,378,547	3,327,737	4,116,105	3,005,690	3,030,144	3,027,505	1,872,520	4,238,262	2
5,837	9,808	9,966	6,668	5,549	8,529	9,008	11,710	7,906	8,672	10,492	5,375	12,563	3
203	519	456	225	191	436	376	585	456	637	407	275	590	4
253	619	531	272	229	472	515	817	584	619	581	265	780	5
2,987	4,798	5,328	3,055	2,821	4,518	4,016	6,504	3,968	4,248	5,134	2,884	6,052	6
2,372	3,639	3,591	3,083	2,274	3,039	4,061	3,760	2,852	3,134	4,329	1,924	4,195	7
22	31	60	33	34	64	40	44	46	34	41	27	46	8
586,683	836,210	954,061	528,808	494,004	860,505	857,805	1,220,518	796,423	751,295	893,099	482,785	1,224,309	9
3,694	668	628	1,315	1,246	1,777	4,399	445	226	134	434	2,120	531	10
353	102	137	219	275	275	437	39	20	1	34	308	145	11
299	80	85	187	162	318	473	86	23	6	26	330	100	12
3,042	486	400	909	809	1,184	3,489	270	183	127	374	1,491	288	13
519,711	69,914	71,021	139,395	148,184	207,460	561,677	57,278	29,006	13,125	47,222	267,310	55,652	14
48	3	11	27	27	12	20	9	2	16	7	23	4	15
7,900	662	1,150	4,278	2,440	4,050	4,735	600	50	1,760	688	2,276	1,300	16
15,276	27,416	17,996	14,233	11,823	17,548	19,076	28,370	17,041	25,232	23,103	15,181	23,287	17
763,570	1,614,423	1,016,705	737,789	638,855	1,260,287	1,020,614	1,772,815	1,171,067	1,942,340	1,505,120	746,745	1,492,858	18
5,170	19,187	8,018	5,438	2,923	8,275	8,112	13,825	6,538	7,566	5,792	8,757	7,434	19
1,353	4,350	2,862	1,725	768	1,262	2,533	3,606	1,362	1,170	1,042	2,571	1,959	20
693	1,661	1,243	730	423	1,517	828	1,904	865	708	677	1,250	1,054	21
1,659	4,927	2,029	1,830	1,006	1,565	1,891	3,839	1,465	2,082	1,508	3,108	2,027	22
618	3,334	1,347	636	400	2,080	1,431	2,822	1,567	1,297	1,346	1,195	1,425	23
694	4,635	328	352	226	1,295	1,250	1,342	1,105	2,175	1,092	4,229	746	24
153	280	209	165	100	556	179	312	154	134	127	204	223	25
273,356	1,180,265	378,629	242,721	155,478	593,947	450,794	814,667	441,298	513,249	391,173	407,399	481,174	26
10,106	8,229	9,978	8,795	8,900	9,273	10,964	14,545	10,503	17,666	17,311	6,424	15,853	27
2,678	1,440	1,932	1,645	2,068	1,612	2,256	3,246	1,893	2,728	3,400	1,478	3,885	28
1,277	991	1,177	1,027	1,085	1,111	1,113	1,822	1,466	2,275	2,126	1,802	1,942	29
5,973	5,609	6,747	5,981	5,598	6,394	7,305	9,282	6,948	12,000	11,244	4,059	9,714	30
178	189	122	142	149	156	290	195	196	663	541	85	312	31
490,214	475,158	638,076	495,068	478,377	666,340	569,820	958,148	780,369	1,429,091	1,113,947	339,246	1,011,684	32
2,054	3,276	11,421	4,959	2,843	4,999	3,410	16,703	33,992	1,298	6,544	4,713	6,788	33
452	724	2,382	739	608	855	614	2,965	18,168	819	1,274	905	1,254	34
1,494	2,140	8,054	3,777	2,188	3,933	2,683	12,902	14,966	889	5,089	3,644	5,213	35
96	70	376	163	83	203	110	498	484	56	176	249	249	36
12	342	10	280	14	8	3	333	374	34	5	.....	12	37
19,780	43,430	181,182	60,064	31,869	63,870	37,958	219,042	397,441	17,223	90,770	47,558	86,528	38
27	40	246	70	107	85	50	436	72	22	96	84	65	39
146	211	1,265	443	572	259	164	1,488	587	163	950	389	148	40
33,108	32,110	44,477	15,351	20,508	55,187	58,114	53,598	32,491	16,918	27,890	23,325	80,512	41
17,959	14,480	27,640	9,901	12,064	30,108	32,498	34,723	19,973	8,099	13,433	14,797	44,485	42
4,023	6,103	5,094	2,164	3,127	8,905	8,654	8,053	5,090	3,658	4,924	3,843	14,969	43
10,479	535	912	209	295	835	914	730	467	353	461	361	1,404	44
10,047	10,987	7,825	3,077	5,022	15,339	16,048	9,487	9,971	4,808	9,072	4,324	10,654	45
480,401	602,354	747,224	211,704	338,600	982,126	844,884	814,364	610,486	304,238	489,656	325,457	1,377,377	46
198,730	158,721	263,567	173,660	155,829	169,322	218,849	313,367	165,054	153,788	168,304	152,026	288,047	47
6,970	8,212	4,626	1,926	5,607	2,151	8,064	2,917	2,950	5,133	5,591	4,423	4,398	48
199,415	165,109	257,683	165,269	161,959	175,399	196,005	320,694	181,508	174,481	184,645	148,341	239,538	49
886	1,504	742	922	848	429	2,119	913	733	1,068	1,023	960	1,313	50
4,339	5,409	4,342	3,162	4,642	1,774	7,904	4,102	2,820	7,182	4,638	4,456	4,534	51
1,873,014	1,766,748	2,305,582	1,847,568	1,678,913	1,750,240	1,970,449	3,646,199	3,050,613	5,317,986	3,364,690	1,237,095	4,148,466	52
202,953	201,052	134,099	90,965	101,809	530,128	459,768	254,778	259,505	4,448,316	1,221,152	76,839	1,013,144	53
58,157	47,364	69,208	10,926	90,728	55,779	42,413	127,150	59,161	35,013	82,297	82,072	161,481	54
240,488	190,739	462,004	480,244	170,835	331,427	109,583	676,082	657,078	59,983	117,271	110,059	371,967	55
267,688	144,476	220,895	190,638	157,015	140,770	203,632	350,854	180,273	123,720	334,761	142,881	289,480	56
103,150	14,384	49,570	53,680	44,090	65,422	83,229	74,684	41,569	66,046	177,152	60,156	154,766	57
706	1,700	.....	.....	190	.....	525	.....	250	2,700	2,610	70	95	58
374,271	307,283	500,961	398,738	325,977	484,347	399,361	899,450	569,301	1,319,834	676,884	267,525	766,746	59
303,501	239,019	396,306	394,575	281,971	447,735	327,869	682,005	508,688	1,287,618	593,966	229,108	699,651	60
314	262	357	312	315	349	282	382	431	452	328	317	435	61
1,017,687	692,049	1,272,835	1,028,796	818,722	670,254	959,525	1,430,590	823,548	802,723	776,416	784,457	1,396,281	62
834,744	452,572	1,072,014	828,802	628,462	453,742	601,331	1,125,183	592,795	494,324	481,184	651,797	1,052,105	63
235,460	165,181	296,492	176,439	184,065	276,812	301,479	319,889	161,242	164,248	191,618	167,115	361,956	64
118,729	76,240	132,528	86,116	85,931	107,618	106,672	151,977	83,377	77,004	81,723	56,531	128,145	65
567,267	409,676	773,012	582,067	438,311	525,973	625,544	901,544	480,986	490,264	494,619	404,965	866,175	66
403,121	236,545	542,926	422,451	294,367	279,208	329,957	612,699	315,567	279,380	272,657	277,358	530,298	67
12,607	15,795	9,640	9,923	8,381	1,284	17,727	5,639	4,609	20,805	6,890	4,048	6,278	68
4,063	204	.....	114	10	17	509	20	17	502	159	20	7	69
1,712	2,508	8,755	4,093	2,086	3,672	2,371	13,003	14,580	767	4,872	3,652	4,665	71
11,159	17,533	66,385	23,825	12,534	26,347	14,613	95,754	107,418	5,799	38,913	22,984	35,531	72
5,572	9,959	37,040	13,889	7,119	14,023	7,723	55,134	65,547	3,196	23,222	12,696	20,901	73

NOT ON FARMS OR RANGES: 1920—Continued.

668	251	739	435	222	689	1,131	513	307	1,542	565	1,198	1,568	1
491	272	700	468	185	506	1,084	527	343	1,766	721	620	1,601	2
97	10	10	42	23	92	205	30	17	23	43	51	58	3
3	1	.....	4	2	.....	8	1	1	2	2	10	11	4
534	262	704	313	216	431	754	583	323	1,113	429	1,020	1,090	5
383	226	400	239	152	364	504	336	264	965	345	771	703	6
1	6	195	37	14	.....	6	206	738	46	7	.....	26	7
13	1	.....	.....	.....	.....	31	2	2	60	3	2	32	8
1,546	416	1,090	460	243	1,371	2,189	828	412	1,035	685	2,160	2,125	9

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES.

	Marion.	Marshall.	Martin.	Miami.	Monroe.	Montgomery.	Morgan.	Newton.	Noble.
DOMESTIC ANIMALS: 1920.									
1 Farms reporting domestic animals..... number..	2,736	2,641	1,566	2,156	2,114	2,529	2,290	991	2,391
2 Value of all domestic animals..... dollars..	2,988,967	3,376,693	1,209,282	3,141,856	1,628,180	4,357,812	2,454,657	2,465,004	3,527,128
Horses:									
3 Total number.....	8,821	9,374	8,827	8,404	5,360	11,417	7,707	6,798	8,901
4 Colts under 1 year of age.....	289	370	179	375	219	483	355	395	371
5 Colts 1 year old and under 2 years.....	326	466	177	514	227	626	447	431	602
6 Mares 2 years old and over.....	3,938	4,758	1,969	4,566	2,707	6,145	4,054	3,345	4,717
7 Geldings 2 years old and over.....	4,231	3,750	1,484	2,988	2,119	4,119	2,821	2,006	3,184
8 Stallions 2 years old and over.....	37	30	18	21	28	44	29	20	27
9 Total value..... dollars..	828,817	868,807	331,928	858,799	442,403	1,032,052	655,936	640,550	928,086
Mules:									
10 Total number.....	975	283	1,362	670	963	1,422	1,577	784	387
11 Mule colts under 1 year of age.....	73	35	193	85	100	262	379	145	40
12 Mule colts 1 year old and under 2 years.....	96	66	193	101	164	270	354	143	68
13 Mules 2 years old and over.....	800	142	976	490	639	890	844	496	279
14 Total value..... dollars..	117,301	25,080	157,743	85,675	103,035	160,938	170,635	83,806	52,291
Asses and burros:									
15 Total number.....	8	3	18	7	16	21	13	1	10
16 Total value..... dollars..	1,365	660	1,202	987	2,125	1,815	2,730	450	816
Cattle:									
17 Total number.....	16,712	25,028	11,868	21,978	12,789	21,063	13,627	18,583	22,922
18 Total value..... dollars..	1,294,716	1,611,850	541,979	1,322,955	747,304	1,564,565	898,159	1,212,328	1,573,646
Beef cattle—									
19 Total number.....	2,683	11,554	7,143	10,836	4,598	10,497	5,385	12,231	11,513
20 Calves under 1 year of age.....	573	2,616	2,196	3,422	1,539	1,655	1,655	2,283	2,878
21 Heifers 1 year old and under 2 years.....	287	1,361	856	1,273	739	1,353	717	1,370	1,377
22 Cows and heifers 2 years old and over.....	874	3,553	2,650	2,864	1,280	3,433	1,837	2,819	2,712
23 Steers 1 year old and under 2 years.....	462	2,371	861	1,723	583	1,003	806	1,030	2,415
24 Steers 2 years old and over.....	425	1,393	401	1,276	334	720	221	3,900	1,873
25 Bulls 1 year old and over.....	62	260	180	278	128	212	140	220	258
26 Total value..... dollars..	175,839	718,948	303,462	620,593	245,018	714,324	312,717	855,538	762,627
Dairy cattle—									
27 Total number.....	14,029	13,474	4,725	11,142	8,191	11,466	8,242	6,352	11,409
28 Calves under 1 year of age.....	2,023	2,641	1,028	2,758	1,468	3,024	1,506	1,449	2,243
29 Heifers 1 year old and under 2 years.....	1,625	1,878	604	1,282	950	1,414	960	785	1,506
30 Cows and heifers 2 years old and over.....	10,019	8,957	3,028	6,941	5,771	6,839	5,610	3,947	7,475
31 Bulls 1 year old and over.....	362	268	65	161	102	189	166	171	185
32 Total value..... dollars..	1,118,877	892,902	238,517	702,362	502,286	850,241	585,442	356,790	811,019
Sheep:									
33 Total number.....	3,238	14,011	4,306	5,409	4,178	14,170	5,850	2,259	24,586
34 Lambs under 1 year of age.....	602	3,640	706	749	902	2,476	984	544	7,010
35 Ewes 1 year old and over.....	2,519	9,803	3,436	4,461	3,121	11,227	4,676	1,644	15,239
36 Rams 1 year old and over.....	108	295	133	193	147	417	138	59	483
37 Wethers 1 year old and over.....	9	273	31	6	8	50	2	12	1,854
38 Total value..... dollars..	40,149	178,985	40,300	63,806	42,807	170,281	62,938	30,936	287,528
Goats:									
39 Total number.....	81	3	92	184	318	53	171	6	100
40 Total value..... dollars..	681	11	202	461	971	190	886	35	707
Swine:									
41 Total number.....	39,423	41,816	15,460	49,712	19,283	79,353	40,042	20,155	40,442
42 Pigs under 6 months old.....	20,139	24,363	9,506	30,106	11,506	48,244	21,987	12,088	27,186
43 Sows and gilts for breeding, 6 months old and over.....	6,217	6,507	2,306	8,748	3,138	15,385	7,140	5,551	6,506
44 Boars for breeding, 6 months old and over.....	602	675	238	707	278	1,371	671	370	603
45 All other hogs, 6 months old and over.....	12,405	10,371	3,410	10,061	4,361	14,353	10,244	8,137	6,087
46 Total value..... dollars..	705,028	691,300	195,928	814,173	289,535	1,418,373	654,373	496,890	684,054
POULTRY AND BEES: 1920.									
47 Chickens..... number..	173,419	234,265	125,955	199,171	138,742	227,061	197,908	90,622	210,910
48 Other poultry..... number..	4,229	3,836	6,423	3,201	3,810	3,840	4,026	4,602	4,993
49 Value of all poultry..... dollars..	183,990	238,359	128,143	201,484	130,155	230,057	195,720	106,036	224,976
50 Bees..... number of hives..	856	839	566	1,133	1,114	1,623	1,056	810	870
51 Total value..... dollars..	3,702	3,616	2,154	3,706	4,356	5,634	3,861	4,023	4,708
LIVE-STOCK PRODUCTS: 1919.									
Dairy products:									
52 Milk produced (as reported)..... gallons..	4,609,608	3,033,855	1,129,961	2,707,954	1,832,659	2,491,025	1,833,330	820,731	3,269,120
53 Milk sold..... gallons..	2,705,497	427,167	12,978	488,203	214,522	377,593	289,025	65,413	155,506
54 Cream sold..... gallons..	75,288	123,238	14,024	90,315	48,139	69,675	67,987	38,120	72,191
55 Butter fat sold..... pounds..	119,551	534,895	131,303	292,153	156,231	304,075	135,429	25,007	639,518
56 Butter made on farms..... pounds..	348,174	167,486	133,165	183,896	266,276	201,264	204,042	102,022	290,905
57 Butter sold..... pounds..	228,334	49,248	35,233	65,731	82,789	42,169	65,836	17,763	72,076
58 Cheese made on farms..... pounds..	1,018	760	3,761	160	456	525	525	140	.....
59 Value of dairy products ¹ dollars..	1,178,552	679,298	177,506	521,048	382,260	470,488	374,415	144,711	789,029
60 Receipts from sale of dairy products..... dollars..	1,117,686	615,570	114,686	459,649	288,353	390,337	308,136	105,082	604,140
61 Average production of milk per dairy cow..... gallons..	503	352	303	371	331	342	358	213	357
Eggs and chickens:									
62 Eggs produced (as reported)..... dozens..	702,387	945,856	606,474	1,000,409	671,549	905,432	751,734	387,228	1,181,354
63 Eggs sold..... dozens..	408,143	788,144	566,708	783,073	492,795	637,275	580,080	220,110	908,962
64 Chickens raised (as reported)..... number..	263,056	208,007	121,611	252,358	188,749	323,034	256,566	99,871	229,989
65 Chickens sold..... number..	94,788	110,004	53,653	96,626	66,462	118,980	106,819	43,191	114,025
66 Value of chickens and eggs produced..... dollars..	542,840	589,568	332,355	620,900	408,910	654,753	490,912	260,877	700,231
67 Receipts from sale of chickens and eggs..... dollars..	260,936	426,732	242,362	390,671	237,540	355,354	306,798	133,123	472,444
Honey and wax:									
68 Honey produced..... pounds..	4,032	5,991	2,377	7,629	5,121	8,438	2,090	10,931	7,026
69 Wax produced..... pounds..	16	70	29	149	68	328	2	285	122
70 Value of honey and wax..... dollars..	1,296	1,942	771	2,495	1,663	2,818	670	3,601	2,292
Wool:									
71 Sheep shorn..... number..	1,890	10,314	2,636	3,807	3,496	11,721	4,627	1,279	15,711
72 Wool produced (as reported)..... pounds..	14,312	80,557	16,604	23,043	18,169	33,281	31,748	9,679	116,399
73 Value..... dollars..	7,910	45,612	9,102	15,774	11,254	45,254	16,832	5,228	69,402

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1 Inclosures reporting domestic animals.....	3,125	429	323	730	602	706	752	230	568
2 Horses, total number.....	5,558	640	215	756	392	764	578	224	551
3 Mules, total number.....	595	14	24	30	43	34	51	38	11
4 Asses and burros, total number.....	9	9	2	.....	.....	2	3	1	4
5 Cattle, total number.....	1,442	364	257	630	450	736	444	878	589
6 Dairy cows.....	1,102	268	221	433	372	538	334	321	401
7 Sheep, total number.....	60	130	.....	5	13	74	3	.....	125
8 Goats, total number.....	40	1	1	11	6	5	2	2	.....
9 Swine, total number.....	3,513	535	430	1,119	690	1,184	1,253	198	692

AGRICULTURE—INDIANA.

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1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Ohio.	Orange.	Owen.	Parke.	Perry.	Pike.	Porter.	Posey.	Pulaski.	Putnam.	Randolph.	Ripley.	Rush.	
560	2,100	1,858	2,173	1,750	2,092	1,734	2,041	1,738	2,563	3,174	2,739	1,999	1
497,323	1,845,911	1,433,164	2,561,177	1,126,857	1,611,143	2,026,590	2,535,842	2,527,052	2,989,709	3,824,730	2,494,588	4,260,830	2
1,578	5,767	5,551	8,029	4,345	5,607	7,865	5,979	8,467	9,156	12,160	7,980	10,106	3
44	275	243	476	253	203	441	197	426	839	625	272	578	4
88	227	284	536	292	191	425	233	534	640	591	817	666	5
761	3,010	2,945	4,524	2,071	2,729	4,025	2,321	4,132	5,129	6,593	3,534	5,339	6
676	2,228	2,047	3,063	1,726	2,457	2,947	3,198	3,256	3,051	4,287	3,612	5,473	7
9	27	32	30	33	27	27	32	39	47	64	45	50	8
144,149	546,404	420,337	725,223	400,560	486,404	665,574	570,884	672,572	718,252	1,176,262	746,884	1,093,040	9
256	1,552	795	1,173	1,383	1,666	172	4,344	346	1,650	472	1,186	937	10
54	305	162	302	161	202	12	180	46	413	50	218	188	11
58	318	127	221	109	256	15	129	46	402	78	176	105	12
144	929	506	650	1,053	1,208	145	4,035	254	855	344	792	634	13
26,618	191,588	77,804	115,199	157,147	187,179	18,001	601,513	36,042	167,269	57,875	137,406	123,965	14
8	30	10	22	31	38	1	7	1	26	1	15	12	15
800	4,795	1,269	3,185	3,705	4,885	15	1,208	100	2,940	25	2,370	6,655	16
4,958	14,121	11,865	13,894	10,228	11,480	21,601	11,601	20,613	17,061	20,375	20,040	16,211	17
250,435	755,048	575,081	905,530	404,860	525,592	1,553,991	583,130	1,261,448	1,111,788	1,248,080	1,128,808	1,059,223	18
1,176	3,552	4,576	6,385	4,075	5,042	4,516	4,058	11,389	8,825	6,637	5,416	6,685	19
351	1,110	1,010	1,903	1,387	1,536	773	970	3,058	2,314	1,700	1,281	1,498	20
145	395	701	735	524	550	589	607	1,410	913	1,033	667	922	21
403	1,455	1,077	2,080	1,203	1,480	1,478	789	3,850	2,737	2,054	1,782	1,543	22
193	282	926	1,108	614	1,043	700	991	1,657	1,730	1,401	886	1,480	23
38	215	142	308	270	303	833	571	1,210	984	271	617	1,144	24
40	65	120	152	137	121	93	130	204	147	178	183	109	25
60,201	187,735	180,333	404,782	145,937	223,063	281,830	204,203	698,850	561,275	465,613	289,137	467,784	26
3,782	10,569	7,289	7,509	6,153	6,438	17,065	7,543	9,224	8,236	13,738	14,624	8,526	27
803	2,318	1,469	1,598	1,317	1,063	2,707	1,506	2,032	1,586	2,979	2,927	2,080	28
496	1,608	704	925	860	744	2,243	894	1,207	916	1,602	1,893	837	29
2,418	6,453	4,940	4,876	3,853	3,942	11,621	4,943	5,828	5,624	5,897	9,507	5,431	30
65	190	86	110	103	89	614	200	157	110	260	297	172	31
190,234	567,913	380,348	500,804	258,873	301,629	1,272,111	378,922	562,598	550,513	792,467	839,671	591,439	32
1,885	3,612	8,135	8,666	1,653	3,031	4,574	3,319	6,356	12,053	8,265	3,328	8,010	33
295	584	1,208	1,907	432	572	2,023	556	1,162	2,060	900	735	1,509	34
1,512	2,877	6,621	6,358	1,145	2,327	2,428	2,589	0,632	0,632	6,078	2,484	6,034	35
54	146	231	304	67	125	67	143	171	309	341	118	253	36
4	0	15	97	0	7	56	31	4	2	40	11	214	37
20,154	40,346	78,576	104,672	10,231	34,784	54,808	44,690	78,165	135,365	92,633	38,897	98,528	38
10	76	120	137	1	137	14	50	54	60	108	49	217	39
61	205	340	1,004	2	1,004	120	257	441	355	292	241	1,224	40
4,425	22,029	18,811	45,291	12,388	28,916	18,221	47,672	23,385	57,495	74,525	27,360	102,328	41
3,683	14,558	11,382	28,151	7,467	10,649	9,366	24,417	10,518	36,196	45,108	16,528	55,571	42
547	3,600	3,006	7,420	1,068	4,264	3,092	6,426	4,615	10,201	14,801	3,668	15,246	43
40	510	234	713	180	269	324	947	452	1,323	610	1,305	44	44
769	3,510	4,000	9,001	3,132	7,764	5,439	15,832	6,800	10,200	13,298	6,829	24,116	45
55,167	307,069	276,202	706,972	144,352	371,295	334,081	733,860	478,284	853,770	1,249,613	499,682	1,879,245	46
45,576	180,432	149,129	163,615	124,542	156,568	127,053	125,320	168,009	214,086	319,129	293,101	189,727	47
853	3,655	6,620	3,636	3,594	3,775	3,646	4,204	5,323	4,100	7,496	3,879	48	48
44,075	163,907	144,994	170,582	95,429	130,124	137,619	106,709	179,574	216,035	327,813	280,194	193,671	49
201	1,024	992	1,011	569	1,107	422	1,779	425	877	1,848	886	503	50
956	3,891	4,494	3,786	1,542	3,445	2,067	4,910	1,953	3,243	6,591	3,613	2,018	51
684,209	1,903,164	1,598,013	1,692,702	1,152,787	1,218,755	5,215,374	1,396,673	1,828,783	1,664,558	3,012,035	3,391,634	2,032,798	52
43,803	126,005	36,407	86,077	72,960	40,078	3,970,418	53,332	192,627	88,596	166,787	585,552	110,789	53
62,478	99,440	22,365	30,839	10,256	35,641	36,732	25,802	60,611	53,425	129,673	118,534	34,087	54
110,058	293,614	217,142	296,182	168,531	118,743	60,441	282,103	52,501	185,985	459,069	388,930	318,453	55
45,639	158,164	175,405	202,654	139,234	144,624	192,649	171,791	189,812	208,677	210,726	237,960	206,795	56
21,661	59,846	40,006	43,533	26,077	26,168	115,332	70,751	42,448	56,191	69,503	99,118	57,686	57
210,438	422,887	233,481	322,537	178,717	184,109	1,278,292	283,985	1,000	338,284	509,624	684,631	351,635	58
204,422	358,859	171,296	239,020	131,045	129,227	1,239,265	235,705	208,624	246,654	507,862	610,095	278,444	59
325	831	812	350	271	282	486	296	293	318	333	342	396	60
301,201	936,661	703,897	764,348	675,599	802,402	536,984	528,193	797,366	861,993	1,613,156	1,787,462	775,265	61
254,404	847,212	623,043	530,614	560,039	627,316	323,893	346,815	588,472	702,074	1,224,141	1,430,249	497,542	62
40,335	145,071	187,415	254,074	102,072	193,521	132,680	194,408	152,502	282,228	397,225	294,534	353,581	63
17,810	69,037	67,282	92,428	51,844	70,810	58,314	72,530	74,677	95,721	164,024	119,155	102,364	64
152,345	470,537	400,043	557,230	312,226	442,313	343,494	341,237	461,950	581,409	1,014,681	935,683	622,731	65
116,324	360,327	238,361	290,890	230,653	295,028	186,599	183,490	301,579	348,427	644,912	656,501	279,401	66
1,431	5,929	3,572	3,087	1,442	3,938	3,895	5,012	3,763	2,681	10,881	5,643	4,514	67
458	214	34	988	2	33	30	47	12	55	21	21	25	68
1,542	2,677	6,234	6,711	1,247	2,261	2,212	1,967	5,093	9,907	6,655	2,631	6,482	69
10,324	16,481	30,787	48,795	7,642	14,604	17,998	14,275	37,377	67,012	48,766	16,650	46,975	70
6,122	9,076	21,745	27,234	4,098	8,594	10,293	7,817	21,184	36,381	28,035	9,116	26,804	71

NOT ON FARMS OR RANGES: 1920—Continued.

87	314	390	940	394	918	297	806	243	709	682	363	411	1
75	302	327	786	266	774	387	567	179	427	655	389	492	2
12	39	27	60	75	98	3	179	15	33	18	26	25	3
.....	2	6	.....	1	8	.....	5	.....	2	1	.....	1	4
83	254	375	726	280	731	196	467	251	523	535	237	292	5
65	194	263	434	120	577	152	324	101	420	434	138	233	6
.....	21	16	32	.....	25	35	5	1	.....	112	11	4	7
.....	2	.....	5	.....	15	3	8	.....	.....	.....	1	.....	8
152	437	562	1,708	467	2,258	273	2,167	379	747	1,094	504	514	9

COUNTY TABLE II.—LIVE STOCK ON FARMS AND RANGES,

	St. Joseph.	Scott.	Shelby.	Spencer.	Starke.	Steuben.	Sullivan.	Switzer-land.	Tippe- cance.
DOMESTIC ANIMALS: 1920.									
1 Farms reporting domestic animals.....number..	2,480	1,061	2,610	2,488	1,343	1,703	2,748	1,729	2,336
2 Value of all domestic animals.....dollars..	2,321,700	874,728	3,501,270	1,837,248	1,197,122	2,248,098	2,730,722	1,121,878	3,562,560
Horses:									
3 Total number.....	8,667	2,934	11,628	6,744	4,821	5,779	9,784	3,824	11,018
4 Colts under 1 year of age.....	237	100	623	346	199	254	598	150	467
5 Colts 1 year old and under 2 years.....	413	127	774	322	213	259	654	260	565
6 Mares 2 years old and over.....	4,435	1,585	5,996	3,076	2,243	2,898	4,757	1,753	5,746
7 Geldings 2 years old and over.....	3,503	1,097	4,178	2,973	2,146	2,355	3,725	1,642	4,196
8 Stallions 2 years old and over.....	19	19	67	27	20	13	50	19	44
9 Total value.....dollars..	742,138	268,483	1,072,003	638,844	365,279	534,668	807,182	360,067	943,249
Mules:									
10 Total number.....	181	997	674	2,771	252	136	1,656	472	1,114
11 Mule colts under 1 year of age.....	38	227	88	266	23	41	301	77	83
12 Mule colts 1 year old and under 2 years.....	40	167	84	272	24	7	269	89	127
13 Mules 2 years old and over.....	103	603	502	2,233	205	88	1,086	306	904
14 Total value.....dollars..	19,785	100,184	80,302	330,479	23,928	12,470	184,062	50,747	132,657
Asses and burros:									
15 Total number.....	2	21	6	29	5	5	35	8	13
16 Total value.....dollars..	415	2,455	1,700	5,000	720	200	5,847	1,131	2,325
Cattle:									
17 Total number.....	17,897	5,603	18,252	13,278	10,129	12,667	16,661	10,213	23,494
18 Total value.....dollars..	1,170,487	318,678	1,216,761	555,869	601,284	907,738	916,399	578,213	1,296,795
Beef cattle—									
19 Total number.....	4,706	1,242	5,333	2,307	2,910	5,602	6,938	1,703	11,765
20 Calves under 1 year of age.....	1,000	298	1,065	565	639	1,255	2,208	575	2,307
21 Heifers 1 year old and under 2 years.....	636	135	686	354	421	794	830	254	890
22 Cows and heifers 2 years old and over.....	2,295	470	1,409	650	1,108	1,742	2,360	324	2,574
23 Steers 1 year old and under 2 years.....	427	208	1,046	385	329	1,284	958	372	4,032
24 Steers 2 years old and over.....	208	90	997	266	349	376	396	122	1,167
25 Bulls 1 year old and over.....	140	41	130	78	64	121	186	56	205
26 Total value.....dollars..	248,995	75,217	361,047	95,335	157,759	387,502	426,058	82,933	573,544
Dairy cattle—									
27 Total number.....	13,191	4,361	12,919	10,971	7,219	7,065	8,723	8,510	11,739
28 Calves under 1 year of age.....	2,184	954	2,818	2,457	1,453	1,230	1,958	1,073	2,718
29 Heifers 1 year old and under 2 years.....	1,695	515	1,620	1,557	1,093	1,017	992	1,021	1,395
30 Cows and heifers 2 years old and over.....	9,026	2,811	8,069	6,884	4,513	4,687	5,609	5,687	7,735
31 Bulls 1 year old and over.....	287	81	412	273	160	131	104	129	241
32 Total value.....dollars..	921,462	243,461	855,704	460,534	443,625	520,176	490,341	495,280	723,251
Sheep:									
33 Total number.....	5,596	1,598	5,514	1,271	2,116	25,092	12,084	3,389	10,144
34 Lambs under 1 year of age.....	1,176	325	2,178	220	286	5,986	3,283	480	4,171
35 Ewes 1 year old and over.....	4,248	1,170	3,144	961	1,754	18,070	8,497	2,807	5,727
36 Rams 1 year old and over.....	129	51	192	66	66	573	285	96	234
37 Wethers 1 year old and over.....	13	52	18	18	10	463	14	12	12
38 Total value.....dollars..	71,094	17,652	68,111	13,525	27,184	315,338	130,297	39,829	107,980
Goats:									
39 Total number.....	51	107	50	45	327	18	41	17	16
40 Total value.....dollars..	311	428	177	155	1,004	83	103	105	77
Swine:									
41 Total number.....	20,702	10,947	59,739	25,049	10,843	27,523	45,997	8,001	57,760
42 Pigs under 6 months old.....	12,677	6,739	33,250	15,263	5,750	18,541	25,084	5,606	31,610
43 Sows and gilts for breeding, 6 months old and over.....	3,594	1,568	9,785	3,100	1,031	7,850	7,850	1,078	10,255
44 Boars for breeding, 6 months old and over.....	3,257	141	918	200	195	633	633	1,166	1,166
45 All other hogs, 6 months old and over.....	4,174	2,509	15,788	6,306	2,067	3,006	12,371	1,255	14,719
46 Total value.....dollars..	317,506	166,868	1,062,226	293,376	177,723	478,201	685,872	91,781	1,076,477
POULTRY AND BEES: 1920.									
47 Chickens.....number..	158,421	80,954	226,246	167,630	90,900	162,067	207,360	117,673	170,849
48 Other poultry.....number..	4,860	2,188	6,286	5,229	2,914	2,354	4,477	2,077	4,174
49 Value of all poultry.....dollars..	178,076	79,506	230,208	137,425	91,779	170,581	183,989	111,901	173,351
50 Bees.....number of hives..	431	241	1,227	1,389	930	488	2,130	532	580
51 Total value.....dollars..	2,227	1,531	3,564	4,965	5,023	2,184	6,719	2,116	2,541
LIVE-STOCK PRODUCTS: 1919.									
Dairy products:									
52 Milk produced (as reported).....gallons..	3,180,537	953,055	2,522,336	1,935,412	1,256,821	2,076,681	1,808,323	1,592,246	2,611,747
53 Milk sold.....gallons..	2,022,411	15,804	534,769	67,868	268,926	165,506	104,508	14,248	620,776
54 Cream sold.....gallons..	77,934	22,363	83,709	41,311	34,258	34,102	52,754	28,220	52,749
55 Butter fat sold.....pounds..	182,754	154,283	358,760	392,602	102,428	446,073	153,719	652,148	220,190
56 Butter made on farms.....pounds..	146,233	87,762	248,038	156,166	111,656	176,388	260,437	76,764	277,576
57 Butter sold.....pounds..	91,614	25,011	90,847	40,441	32,523	34,291	83,312	25,119	89,249
58 Cheese made on farms.....pounds..	730	115	600	15,377	67	125	50	50	300
59 Value of dairy products.....dollars..	824,501	154,006	593,440	338,894	225,525	481,259	387,788	360,217	488,619
60 Receipts from sale of dairy products.....dollars..	795,396	129,590	512,500	295,626	174,918	404,432	300,884	333,336	391,022
61 Average production of milk per dairy cow.....gallons..	405	350	347	290	300	385	292	373	331
Eggs and chickens:									
62 Eggs produced (as reported).....dozens..	575,776	438,911	1,115,183	856,678	358,924	883,645	916,130	649,271	740,385
63 Eggs sold.....dozens..	374,605	300,516	745,975	605,848	215,534	584,544	638,919	470,635	422,871
64 Chickens raised (as reported).....number..	177,473	88,009	350,471	212,000	84,749	107,559	298,073	128,794	273,849
65 Chickens sold.....number..	74,926	43,269	137,906	85,939	30,255	97,394	108,778	49,530	112,081
66 Value of chickens and eggs produced.....dollars..	415,316	237,193	727,404	467,404	201,250	497,101	595,258	384,691	550,773
67 Receipts from sale of chickens and eggs.....dollars..	230,029	172,918	400,237	304,669	103,461	353,838	317,634	288,587	272,535
Honey and wax:									
68 Honey produced.....pounds..	4,552	1,860	4,526	8,710	26,782	3,114	11,368	2,249	4,023
69 Wax produced.....pounds..	15	2	1	120	121	83	165	1	1
70 Value of honey and wax.....dollars..	1,462	596	1,448	2,830	8,614	1,026	3,697	720	1,575
Wool:									
71 Sheep shorn.....number..	3,925	1,086	3,287	895	1,200	20,657	9,299	2,973	7,890
72 Wool produced (as reported).....pounds..	28,679	6,929	26,598	6,230	9,441	152,022	63,112	17,037	52,315
73 Value.....dollars..	16,764	4,362	14,961	3,271	5,861	96,557	33,272	10,270	26,693

¹ Value of milk, cream, and butter fat sold, and of butter and cheese made on farms.

COUNTY TABLE III.—DOMESTIC ANIMALS

1 Inclosures reporting domestic animals.....	627	95	620	650	232	370	1,226	151	697
2 Horses, total number.....	1,070	93	814	459	195	392	1,031	93	821
3 Mules, total number.....	48	12	17	64	9	13	170	10	42
4 Asses and burros, total number.....	7	7	1	1	1	3	3	1	1
5 Cattle, total number.....	635	89	508	529	249	243	865	188	551
6 Dairy cows.....	223	83	349	404	187	197	650	102	399
7 Sheep, total number.....	59	36	32	32	101	101	6	1	98
8 Goats, total number.....	2	1	1	8	2	1	1	1	5
9 Swine, total number.....	287	210	1,200	1,431	528	394	1,876	245	1,309

1920; AND LIVE-STOCK PRODUCTS, 1919—Continued.

Tipton.	Union.	Vanderburg.	Vermillion.	Vigo.	Wabash.	Warren.	Warrick.	Washington.	Wayne.	Wells.	White.	Whitley.	
1,826	786	1,625	1,018	2,582	2,487	1,267	2,433	2,471	2,304	2,503	1,964	2,007	1
2,754,913	1,659,566	1,516,709	1,295,134	1,912,489	3,503,766	2,142,759	2,015,988	2,412,904	3,705,922	2,995,469	3,869,951	2,671,009	2
7,538	3,159	3,301	4,579	7,958	9,475	7,559	6,120	7,069	8,376	9,304	11,192	7,270	3
377	110	80	212	387	420	353	272	345	359	284	574	286	4
481	132	62	266	383	597	471	235	374	384	448	705	399	5
4,101	1,429	1,247	2,268	3,761	4,872	3,769	3,258	3,720	3,940	5,108	5,729	3,988	6
2,547	1,482	1,918	1,807	3,444	3,532	2,938	2,329	2,599	3,643	3,431	4,112	2,578	7
82	0	14	26	28	54	28	26	31	50	33	72	19	8
747,922	307,738	303,588	352,857	582,791	1,006,105	679,387	556,657	660,610	879,410	888,505	971,962	748,164	9
321	482	2,806	684	1,724	619	868	3,517	2,220	536	523	1,065	303	10
81	43	98	117	151	76	115	375	490	41	114	198	41	11
88	43	114	101	152	60	99	361	389	71	86	127	72	12
172	396	2,684	466	1,421	483	654	2,778	1,341	424	323	740	190	13
30,481	70,582	419,860	72,640	178,201	83,347	99,048	437,299	265,603	72,915	55,920	123,739	39,930	14
2	3	6	23	2	18	36	59	1	11	5	2	15	
700	180	865	2,900	1,200	2,110	4,740	5,949	300	1,100	2,500	62	16	
13,711	7,212	9,105	8,050	13,894	23,370	11,593	13,596	19,134	19,123	19,250	25,881	18,495	17
926,297	470,662	541,504	492,641	717,228	1,405,323	718,567	653,740	987,739	1,186,686	1,060,653	1,661,001	1,210,602	18
4,119	3,304	590	3,262	2,941	13,872	5,366	2,524	5,574	8,000	7,327	16,425	10,959	19
1,115	853	98	853	783	4,378	1,556	579	1,489	2,329	2,322	3,791	3,045	20
472	450	39	409	387	1,711	611	348	1,091	1,091	1,067	1,458	21	
855	964	176	887	960	4,001	1,939	791	1,982	2,217	2,351	4,808	3,820	22
989	546	148	647	584	2,250	964	408	556	1,435	1,057	2,777	2,043	23
621	382	112	372	167	1,276	398	335	629	728	818	3,043	849	24
67	109	23	64	70	256	138	63	160	200	212	244	25	
270,444	210,926	36,223	200,823	144,747	769,109	337,609	119,431	296,883	467,163	382,423	1,082,990	722,417	26
9,602	3,908	8,515	4,788	10,953	9,498	6,197	11,012	13,560	11,123	11,923	9,456	7,536	27
2,451	856	1,151	1,170	2,390	1,549	1,537	2,286	2,831	2,222	2,786	2,811	1,869	28
1,188	533	1,809	548	1,226	1,226	700	1,657	1,809	1,393	1,556	940	969	29
5,776	2,433	6,748	2,963	6,955	6,249	3,773	6,789	8,064	7,304	7,376	5,536	5,042	30
207	86	307	107	223	174	132	280	256	234	205	189	156	31
655,833	253,736	505,281	291,818	572,481	636,214	380,958	534,309	690,856	719,533	678,225	578,011	488,185	32
7,302	3,569	697	2,865	3,117	7,515	6,028	1,579	6,366	8,109	8,746	5,315	8,087	33
3,135	599	138	689	555	935	2,390	319	1,016	1,584	1,414	1,173	1,267	34
4,011	2,838	514	2,065	2,404	6,323	3,410	1,137	5,092	5,966	6,075	3,857	6,517	35
163	132	24	88	93	243	139	87	253	500	331	285	312	36
8	21	23	5	14	14	36	5	79	26	26	1	37	
90,826	38,820	8,171	35,491	33,041	101,164	68,460	18,125	66,507	90,176	109,905	69,716	108,298	38
20	6	71	28	28	63	67	13	249	6	82	29	39	
01	70	143	131	95	364	419	44	1,341	80	511	172	40	
55,312	36,697	17,038	20,760	20,819	53,996	31,397	23,139	32,004	81,076	59,584	56,374	35,281	41
33,293	17,206	9,958	11,634	14,660	31,397	17,419	14,375	20,184	44,508	39,739	28,209	23,542	42
11,273	7,107	2,007	3,399	8,876	9,558	6,198	3,128	5,094	15,088	10,679	8,621	5,550	43
1,034	622	309	357	812	632	273	451	1,176	1,222	1,031	597	44	
9,712	11,702	4,764	5,370	7,910	12,229	7,148	5,353	6,365	20,304	7,944	18,613	5,592	45
952,676	711,764	242,896	340,407	398,187	906,532	574,823	345,008	426,452	1,475,094	879,206	1,046,522	563,781	46
175,807	71,502	91,483	72,482	154,174	229,708	99,522	156,945	215,199	190,240	280,972	193,770	182,553	47
8,475	1,176	1,764	2,241	6,984	2,323	2,713	3,989	6,021	4,037	4,035	7,008	2,539	48
176,035	73,177	87,205	72,832	147,448	230,267	107,020	144,941	212,535	198,946	281,864	212,227	184,433	49
405	863	706	388	1,350	660	647	1,364	1,590	811	1,034	896	515	50
1,946	1,353	3,968	2,099	5,522	4,245	2,234	5,192	7,170	2,869	3,214	5,017	1,443	51
1,671,080	679,587	1,894,122	986,211	2,098,992	3,040,154	1,001,472	2,424,238	2,850,432	2,417,731	2,937,440	1,770,877	2,479,642	52
482,286	15,440	765,207	138,602	735,678	401,226	28,218	340,841	818,195	392,209	473,185	80,804	191,883	53
62,425	30,365	27,824	28,286	49,716	124,008	18,014	71,204	86,847	75,780	114,942	62,636	61,931	54
226,595	159,241	193,268	72,440	91,692	391,610	84,898	308,517	595,590	251,698	393,958	158,599	564,790	55
119,598	53,257	257,608	123,652	273,033	217,317	144,353	240,387	208,454	233,713	208,826	193,823	144,017	56
37,167	18,804	161,450	60,816	140,037	49,946	35,920	81,838	64,726	100,761	49,307	28,065	33,583	57
35	2,076	35	179	400	400	1,745	1,745	575	545	545	47	58	
352,010	163,630	581,414	179,331	443,105	586,415	157,651	459,758	603,329	481,987	589,657	265,965	479,109	59
308,810	143,890	504,210	149,995	373,116	499,253	102,320	391,618	538,429	409,834	509,022	207,706	424,976	60
328	370	304	348	341	417	255	362	366	361	382	291	305	61
728,977	347,479	390,004	344,137	629,044	1,161,727	434,714	924,561	1,097,517	853,445	1,412,841	953,171	989,084	62
529,409	232,796	255,281	213,592	353,635	871,439	241,206	627,130	955,173	523,408	1,251,567	654,670	728,020	63
207,127	100,491	137,807	103,038	296,015	308,541	199,929	206,206	219,460	287,313	285,191	230,376	218,974	64
87,698	41,796	88,556	47,971	92,105	177,312	57,133	97,214	94,063	104,773	123,747	102,673	122,571	65
486,290	235,463	275,474	234,861	474,100	754,729	289,313	501,863	605,785	642,806	836,067	556,607	565,227	66
294,066	132,296	162,028	130,280	221,227	404,362	141,341	309,490	445,490	329,722	612,603	334,124	382,178	67
2,871	1,522	8,742	2,782	10,208	6,003	2,964	14,913	5,206	4,087	7,402	5,299	3,131	68
50	25	112	23	336	118	43	183	88	34	10	110	10	69
937	496	2,837	898	3,388	1,963	968	4,838	1,680	1,320	2,873	1,736	1,006	70
3,665	2,899	452	2,735	2,234	6,377	3,021	1,164	4,016	7,073	6,391	5,537	6,354	71
27,671	22,921	3,165	18,296	14,721	49,403	29,653	8,632	31,773	51,235	50,424	34,610	46,990	72
15,417	13,456	1,625	9,611	7,572	27,254	15,630	4,319	19,023	27,745	27,778	18,593	28,309	73

NOT ON FARMS OR RANGES: 1920—Continued.

328	128	1,387	1,311	2,589	536	228	528	260	751	531	489	260	1
354	129	1,808	815	2,459	499	222	527	210	827	490	373	356	2
2	3	324	193	585	15	18	90	44	48	11	31	14	3
2	7	7	7	20	1	3	1	15	15	15	4	1	4
284	105	608	899	1,121	467	231	392	264	359	498	418	256	5
187	77	351	622	762	322	166	311	215	298	375	308	166	6
11	14	179	40	31	10	10	6	2	14	111	1	41	7
33	18	5	35	1	5	5	6	335	9	4	7	1	8
693	176	1,852	2,149	5,236	743	518	632	335	760	1,137	1,195	348	9

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		THE STATE.	Adams.	Allan.	Bartholomew.	Beniton.	Blackford.	Boone.
VALUE OF ALL CROPS.								
1	Total.....dollars..	497,229,719	5,870,168	11,054,898	5,820,001	9,331,536	2,690,532	8,475,745
2	Cereals.....dollars..	378,981,813	4,030,460	7,658,626	4,713,917	8,916,557	2,112,778	7,178,136
3	Other grains and seeds.....dollars..	4,787,692	80,238	136,058	41,578	5,727	13,513	101,587
4	Hay and forage.....dollars..	70,874,640	1,326,954	2,430,347	844,002	313,214	455,176	930,943
5	Vegetables.....dollars..	21,254,878	157,725	542,074	170,637	86,432	84,062	156,088
6	Fruits and nuts.....dollars..	4,842,535	30,410	96,186	39,219	8,079	10,478	35,737
7	All other crops.....dollars..	7,488,101	44,872	101,607	10,048	1,527	14,525	13,254
SELECTED CROPS (acres harvested and production).								
8	Cereals:							
9	Total.....acres..	9,409,310	100,540	174,699	122,550	190,373	47,667	142,375
10	Corn.....bushels..	262,254,380	3,014,921	5,843,761	2,802,195	7,402,934	1,571,964	5,238,209
11	Oats.....bushels..	4,457,400	42,546	67,527	56,814	98,078	24,251	77,644
12	Wheat.....bushels..	158,603,938	1,561,767	2,923,000	1,766,771	4,204,030	961,366	3,288,309
13	Barley.....bushels..	1,718,748	27,779	55,491	7,068	81,758	11,872	34,951
14	Rye.....bushels..	52,829,723	974,400	2,040,624	157,038	2,038,880	416,094	1,370,694
15	Buckwheat.....bushels..	2,798,657	26,667	43,525	56,625	9,154	8,562	25,090
16	Other grains and seeds.....bushels..	45,207,862	408,166	720,721	923,718	181,631	144,771	562,630
17	Barley.....acres..	74,239	2,326	5,176	1	67	1,392	520
18	Rye.....acres..	1,427,772	52,184	111,636	14	1,179	28,508	9,687
19	Buckwheat.....acres..	350,908	1,202	2,817	1,448	1,311	1,521	3,122
20	Other grains and seeds.....bushels..	4,432,001	18,151	30,853	14,654	17,105	19,481	45,010
21	Buckwheat.....acres..	6,048	3	115			5	14
22	Other grains and seeds.....bushels..	73,280	53	1,033		3	50	170
23	Dry edible beans.....acres..	3,016	12	40	28		7	2
24	Dry peas.....bushels..	14,011	51	390	74		36	13
25	Dry peas.....acres..	5,775			4		12	
26	Dry peas.....bushels..	29,405		2	10		88	
27	Hay and forage:							
28	Total.....acres..	3,303,056	60,814	102,026	36,410	9,875	18,179	34,085
29	All tame or cultivated grasses.....acres..	5,133,742	77,693	138,520	51,751	23,014	20,482	56,480
30	Timothy alone.....acres..	1,913,087	33,539	60,592	21,364	7,641	10,820	23,698
31	Timothy and clover mixed.....acres..	2,176,050	40,973	76,349	24,815	7,318	12,260	27,297
32	Clover alone.....acres..	807,501	15,566	37,425	9,610	3,799	6,428	9,983
33	Alfalfa.....acres..	910,677	19,468	48,630	10,946	4,091	6,981	11,964
34	Other tame or cultivated grasses.....acres..	650,045	15,460	18,211	6,288	1,899	3,003	10,931
35	Alfalfa.....acres..	747,656	18,694	21,872	6,979	1,790	3,994	11,555
36	Other tame or cultivated grasses.....acres..	334,974	2,302	4,442	5,073	1,750	1,265	3,375
37	Alfalfa.....acres..	356,255	2,432	4,863	6,176	1,067	1,060	3,228
38	Other tame or cultivated grasses.....acres..	62,351	197	426	256	107	85	238
39	Alfalfa.....acres..	107,485	865	857	564	271	186	532
40	Other tame or cultivated grasses.....acres..	58,216	14	88	137	86	39	21
41	Wild, salt, or prairie grasses.....acres..	53,977	14	127	150	99	39	18
42	Small grains cut for hay.....acres..	21,053						
43	Annual legumes cut for hay.....acres..	61,181	71	95	571	9	191	642
44	Silage crops.....acres..	65,399	89	89	536	16	216	830
45	Corn cut for forage.....acres..	18,550	20	16	84		9	64
46	Kafir, sorghum, etc., for forage.....acres..	18,361	13	22	71		5	61
47	Root crops for forage.....acres..	234,100	1,925	2,840	2,109	1,046	763	2,268
48	Potatoes (Irish or white).....acres..	1,616,509	13,500	21,000	14,067	15,201	6,387	17,226
49	Other vegetables.....acres..	1,048,464	25,143	38,340	12,154	277	6,395	7,395
50	Other vegetables.....bushels..	1,222,679	22,721	40,824	12,132	387	10,601	10,090
51	Other vegetables.....acres..	6,062	96	122	125	2	3	13
52	Other vegetables.....bushels..	10,074	77	135	126	2	5	20
53	Other vegetables.....acres..	447	20	3				
54	Potatoes (Irish or white).....acres..	62,192	764	2,033	639	427	219	228
55	Other vegetables.....bushels..	2,477,034	20,951	79,257	20,305	14,900	7,644	11,263
56	Other vegetables.....acres..	53,468	61	820	1,009	7	104	96
57	Miscellaneous crops:							
58	Tobacco.....acres..	22,450			7			
59	Sorghum grown for sirup.....acres..	18,752,202		312	3,831	72		395
60	Sirup made.....gallons..	12,307	68	100	106	17	21	104
61	Maple trees tapped.....number..	52,210	303	525	354	101	117	628
62	Maple sugar made.....pounds..	681,190	3,243	7,451	5,600	1,041	1,214	6,135
63	Maple sirup made.....gallons..	558,308	914	6,006	455		1,608	4,335
64	Maple sirup made.....pounds..	14,487	37	450				385
65	Maple sirup made.....gallons..	167,360	296	1,600	100		490	1,637
FRUITS.								
66	Small fruits:							
67	Total.....acres..	7,565	26	166	103	7	9	42
68	Strawberries.....quarts..	6,812,972	16,711	139,546	74,698	5,705	10,603	22,656
69	Raspberries.....quarts..	3,401	18	106	38	4	8	23
70	Blackberries and dewberries.....quarts..	4,277,046	12,327	110,388	33,985	4,417	9,593	15,802
71	Blackberries and dewberries.....acres..	1,988	3	35	14	1		6
72	Blackberries and dewberries.....quarts..	1,251,652	1,216	12,655	7,858	440	112	2,428
73	Blackberries and dewberries.....acres..	1,965	2	14	46	2		8
74	Blackberries and dewberries.....quarts..	1,087,317	589	6,654	29,810	767	120	2,850
75	Orchard fruits:							
76	Total.....trees not of bearing age..	1,750,643	15,095	28,156	28,173	3,904	1,942	5,838
77	Apples.....trees of bearing age..	5,315,040	62,231	130,923	59,429	15,824	19,242	40,239
78	Peaches.....trees of bearing age..	1,233,293	4,912	19,741	8,652	1,991	2,403	10,893
79	Pears.....trees of bearing age..	3,929,160	6,735	17,515	14,961	1,698	1,096	2,551
80	Plums and prunes.....trees of bearing age..	3,427,816	48,791	90,985	40,142	10,519	14,551	23,937
81	Cherries.....trees of bearing age..	925,024	3,658	10,106	7,229	1,313	294	8,990
82	Apples.....bushels harvested..	568,046	537	4,331	10,280	1,313	454	5,385
83	Peaches.....bushels harvested..	860,024	3,457	7,971	11,579	1,413	17	613
84	Pears.....bushels harvested..	82,206	77	233	66			308
85	Plums and prunes.....bushels harvested..	68,150	530	1,371	403	275	135	312
86	Cherries.....bushels harvested..	337,515	3,597	8,077	1,891	1,039	1,643	3,192
87	Apples.....trees not of bearing age..	109,463	509	1,602	66	79	215	1,106
88	Peaches.....trees not of bearing age..	83,178	421	2,018	395	101	104	241
89	Pears.....trees not of bearing age..	214,202	4,168	7,601	1,321	559	804	3,032
90	Plums and prunes.....trees not of bearing age..	33,536	291	818	143	29	74	529
91	Cherries.....trees not of bearing age..	132,006	6,871	2,620	2,134	517	313	602
92	Apples.....trees of bearing age..	475,333	2,217	16,289	4,496	2,288	1,980	5,659
93	Peaches.....trees of bearing age..	62,365	377	977	620	196	63	445
94	Grapes.....vines not of bearing age..	100,657	942	5,234	935	111	272	438
95	Grapes.....vines of bearing age..	744,043	13,780	33,774	4,063	2,687	3,803	2,970
96	Grapes.....pounds harvested..	6,612,804	213,718	284,853	41,889	28,669	37,128	65,947

AGRICULTURE—INDIANA.

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AND PRODUCTION OF PRINCIPAL CROPS: 1919.

Brown.	Carroll.	Cass.	Clark.	Clay.	Clinton.	Crawford.	Davies.	Dearborn.	Decatur.	De Kalb.	Delaware.	Dubois.	
1,207,943	7,071,968	6,078,994	3,562,235	4,137,217	9,024,914	1,744,345	5,197,703	3,359,745	6,301,272	6,047,508	7,651,535	4,059,813	1
600,367	6,052,082	5,403,559	1,928,885	3,016,059	7,774,943	991,257	3,979,517	1,617,954	4,916,230	4,099,032	6,283,287	2,615,590	2
3,169	95,003	92,056	137,990	10,405	101,781	4,059	30,406	12,767	47,156	39,431	16,928	158,774	3
334,776	743,533	875,123	702,203	775,531	972,573	480,463	802,765	1,052,604	1,167,944	1,431,023	1,040,886	613,504	4
145,351	144,537	246,449	351,227	192,978	148,110	160,081	228,658	270,898	128,458	383,008	318,822	229,751	5
13,373	22,738	54,372	92,129	120,493	20,370	15,753	78,823	35,628	30,831	48,240	34,505	28,109	6
20,398	14,076	7,435	291,601	15,638	7,131	80,722	18,184	309,904	11,653	46,709	8,107	118,660	7
24,137	123,974	128,606	57,905	88,068	147,425	30,325	117,850	44,111	108,746	98,667	122,250	80,957	8
465,780	4,252,746	3,752,766	1,218,346	2,025,221	5,084,639	634,814	2,582,890	1,017,666	3,062,596	2,888,697	4,412,254	1,646,767	9
15,821	50,871	50,292	30,106	40,776	74,054	20,641	55,529	19,993	57,298	31,909	87,769	33,777	10
806,805	2,833,372	2,221,815	819,251	1,281,732	3,444,044	465,391	1,639,465	648,576	2,167,250	1,213,324	3,185,153	906,354	11
2,313	26,528	23,314	5,112	16,278	35,595	2,583	16,253	3,407	4,129	22,970	22,072	12,037	12
39,002	783,810	778,097	87,453	329,622	1,500,889	35,907	316,581	74,304	105,881	850,364	705,300	217,667	13
5,729	31,350	39,538	21,428	30,819	35,434	12,725	44,246	17,525	43,970	34,765	22,775	40,035	14
57,104	545,215	643,019	300,887	407,549	703,378	130,527	610,229	262,267	751,892	647,630	405,957	512,156	15
4	1,167	489	22	19	226	11	67	62	87	5,794	3,278	19	16
30	20,118	7,566	348	120	4,499	138	940	868	1,098	122,723	65,187	422	17
267	6,032	8,021	1,165	697	2,103	371	1,751	3,008	3,237	3,095	6,296	1,073	18
2,191	69,605	96,178	10,182	6,123	31,562	2,681	15,639	36,370	36,441	51,758	96,600	9,911	19
3	10	203	1	7	-----	1	4	28	15	25	58	1	20
46	202	2,046	6	75	-----	20	36	281	134	472	1,004	6	21
85	4	40	24	12	3	119	71	35	6	26	-----	26	22
322	48	136	60	77	15	427	299	149	41	152	-----	112	23
2	-----	1	43	17	-----	9	563	-----	5	-----	49	212	24
8	-----	4	275	70	-----	26	1,973	-----	34	-----	200	339	25
19,830	24,022	33,892	40,277	34,243	32,595	28,373	39,644	40,947	47,722	54,789	38,660	41,725	26
21,068	51,589	65,197	57,188	40,921	73,039	30,718	53,117	54,298	83,904	79,052	74,525	50,653	27
8,302	15,401	18,199	17,569	24,419	19,712	13,211	21,701	28,590	20,109	33,562	21,357	28,641	28
8,496	19,042	19,584	17,024	25,527	21,726	13,618	24,209	33,267	27,865	45,903	23,360	31,845	29
4,826	3,867	6,086	5,324	18,657	4,740	2,530	11,667	10,901	10,581	24,348	8,889	8,476	30
3,989	4,737	7,037	5,169	10,007	5,485	2,469	12,336	11,613	12,862	33,673	10,301	9,252	31
1,003	8,384	8,215	4,690	4,201	12,026	3,926	4,380	6,323	8,062	7,858	7,517	5,133	32
3,023	9,732	8,999	4,869	4,681	14,059	4,454	5,102	7,424	11,972	10,344	7,828	5,802	33
885	3,002	3,774	3,523	1,275	2,139	5,661	3,599	2,105	1,291	795	3,957	11,497	34
859	4,088	3,360	3,611	1,394	1,825	5,667	5,082	2,142	2,309	841	3,451	12,882	35
88	221	61	222	199	155	44	142	9,131	115	457	908	13	36
75	467	107	505	367	302	88	343	11,925	116	915	1,671	29	37
800	17	93	3,810	87	43	1,050	1,913	130	60	104	86	3,522	38
550	28	81	2,870	78	55	940	1,346	163	58	130	109	3,880	39
-----	-----	14	163	8	-----	2,306	208	2	85	13	20	51	40
1,044	113	292	170	894	109	2,556	141	4	85	21	25	52	41
1,491	153	238	169	724	165	340	1,140	207	589	79	1,317	85	42
199	21	76	657	85	5	294	990	184	573	112	1,845	213	43
151	10	78	979	94	3	227	1,542	16	23	19	39	525	44
369	2,466	3,252	3,249	1,158	4,149	218	1,208	18	7	25	51	640	45
1,068	22,247	20,733	19,559	6,087	34,998	4,046	2,378	1,415	4,105	2,343	3,589	1,359	46
9,014	6,500	12,049	18,419	7,075	8,538	4,046	13,045	11,235	31,381	15,588	32,342	8,033	47
9,228	10,099	18,400	19,216	7,595	16,360	11,349	12,550	10,666	22,791	18,764	12,201	10,904	48
2	23	8	46	4	82	9,229	12,730	9,492	24,445	17,266	16,755	9,740	49
4	29	10	92	4	97	141	120	50	-----	-----	88	156	50
-----	-----	40	-----	-----	-----	155	164	87	30	-----	103	97	51
452	383	804	861	792	283	411	524	1,075	343	1,324	764	1,001	54
15,066	17,293	31,825	60,917	20,122	10,512	19,334	16,714	44,841	11,154	57,122	33,492	35,542	55
335	118	362	509	210	233	127	1,238	255	16	580	1,249	1,197	56
17	-----	2	1,293	-----	-----	78	2	1,682	27	-----	-----	257	57
12,033	50	1,295	1,127,563	215	50	30,026	1,392	1,421,778	21,735	-----	350	278,403	58
200	107	60	137	90	25	579	229	150	97	17	63	403	59
815	328	223	619	445	97	2,637	892	692	415	51	271	1,459	60
11,119	3,284	2,506	6,423	6,769	971	49,003	11,155	9,529	3,493	1,800	3,743	33,328	61
309	13,124	4,676	280	5,666	7,071	368	525	760	1,260	27,255	3,115	494	62
15	21	-----	-----	105	235	1	-----	-----	188	-----	237	-----	63
70	3,480	1,138	85	2,142	2,109	104	193	205	330	7,643	889	156	64
34	33	113	410	99	23	24	87	58	10	44	96	16	65
20,778	19,887	138,220	306,707	55,897	22,770	15,306	45,738	55,523	15,059	43,525	77,425	8,917	66
6	14	70	131	21	12	6	30	29	9	30	32	2	67
8,438	11,860	118,023	183,192	21,200	17,003	6,055	10,417	29,214	11,430	32,399	39,001	2,524	68
11	10	16	162	31	4	2	20	19	1	9	47	3	69
6,231	3,397	6,015	128,875	12,618	1,637	1,069	10,347	17,085	600	6,092	28,027	939	70
17	8	24	115	38	5	16	30	10	6	2	12	10	71
5,836	3,092	10,977	82,189	17,730	2,408	7,951	12,330	8,561	2,662	1,606	6,395	4,030	72
54,310	10,383	9,486	26,868	18,154	8,474	13,862	44,901	19,643	11,737	18,886	9,786	38,745	73
99,410	48,697	45,178	71,656	65,325	49,978	53,189	68,604	78,075	40,377	67,621	67,621	63,359	74
2,896	5,418	9,488	3,387	43,361	5,195	4,442	26,919	8,132	10,118	12,882	5,345	7,654	75
33,420	5,731	5,356	13,129	8,038	3,833	7,525	22,630	11,110	5,539	11,835	4,156	19,201	76
64,504	32,404	32,657	48,668	48,390	32,016	31,907	49,347	42,979	28,912	39,024	40,796	42,225	77
2,249	4,728	8,079	2,603	39,496	4,212	1,974	22,424	6,526	9,279	10,186	3,257	4,533	78
19,364	2,825	2,790	10,746	6,577	2,850	5,116	16,918	5,439	4,550	3,901	2,655	10,830	79
81,092	4,534	4,102	14,921	6,856	5,007	16,775	10,538	18,239	4,336	6,772	4,582	13,433	80
484	57	202	272	1,343	120	1,714	2,012	543	262	308	64	1,600	81
530	500	338	1,076	878	473	404	806	824	437	615	758	423	82
961	2,787	2,456	3,235	2,942	3,581	2,005	3,036	5,613	2,306	3,934	7,789	2,083	83
12	299	232	54	730	334	574	1,439	202	158	1,573	967	662	84
250	411	254	581	684	405	247	726	1,133	367	1,188	707	537	85
1,102	2,439	1,398	1,392	2,783	2,862	1,003	1,815	6,040	1,563	9,715	4,834	2,047	86
66	182	127	218	633	214	85	343	633	140	209	135	472	87
746	904	748	1,336	1,985	913	570	3,821	1,087	844	1,317	1,610	1,704	88
1,750	6,533	4,565	3,440	4,354	6,512	1,494	4,368	5,204	3,260	5,414	9,658	3,571	89
54	152	248	180	1,109	315	95	701	228	279	603	327	327	90
261	611	297	2,771	789	1,752	1,724	921	906	346	2,300	759	1,189	

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		Elkhart.	Fayette.	Floyd.	Fountain.	Franklin.	Fulton.	Gibson.	Grant.
VALUE OF ALL CROPS.									
1	Total.....dollars	6,100,848	3,093,389	1,663,377	5,922,807	5,052,348	5,005,217	6,082,385	7,782,512
2	Cereals.....dollars	3,904,616	3,166,335	655,732	4,966,065	3,651,025	3,810,189	4,692,143	6,091,736
3	Other grains and seeds.....dollars	82,570	18,962	7,379	47,099	39,993	97,145	27,916	150,991
4	Hay and forage.....dollars	1,476,937	347,444	332,419	719,578	757,095	860,296	876,907	1,093,000
5	Vegetables.....dollars	448,899	112,778	400,027	122,947	222,988	198,848	338,073	309,287
6	Fruits and nuts.....dollars	138,240	37,048	229,621	52,981	79,207	40,203	114,984	44,490
7	All other crops.....dollars	49,081	20,822	38,199	15,137	302,040	8,566	32,362	63,009
SELECTED CROPS (acres harvested and production).									
8	Cereals:								
9	Total.....acres	117,803	60,584	19,173	129,000	75,694	108,023	136,818	126,703
10	Corn.....bushels	2,621,238	1,983,811	416,245	3,884,602	2,276,257	2,633,142	2,905,526	4,350,705
11	Oats.....bushels	40,607	33,011	9,781	62,090	39,255	40,382	60,462	63,468
12	Wheat.....bushels	1,109,657	1,475,789	274,117	2,022,013	1,048,275	1,603,228	1,920,824	2,776,643
13	Barley.....bushels	21,943	1,728	1,572	35,686	2,250	18,441	9,282	29,633
14	Rye.....bushels	630,507	52,151	31,928	1,406,880	53,241	490,944	101,158	957,705
15	Buckwheat.....bushels	41,005	23,548	6,921	19,008	30,524	33,484	60,240	34,224
16	Dry edible beans.....bushels	703,791	434,453	100,250	334,533	531,920	424,860	810,650	502,053
17	Dry peas.....bushels	1,205	121	87	40	39	310	100	871
18	Timothy alone.....acres	21,029	1,696	1,051	668	771	4,179	1,344	18,213
19	Timothy and clover mixed.....acres	12,740	1,514	810	9,204	3,606	9,327	734	2,398
20	Clover alone.....acres	153,183	10,422	8,600	119,965	41,795	108,856	5,530	34,750
21	Alfalfa.....acres	123	2	2	38	20	41	13	13
22	Other tame or cultivated grasses.....acres	1,365	20	20	367	255	575	65	65
23	Other grains and seeds:								
24	Dry edible beans.....acres	99	1	39	6	15	48	8	35
25	Dry peas.....acres	506	4	104	52	76	263	43	230
26	Dry peas.....bushels	107	1	1	1	1	172	662	1
27	Hay and forage.....bushels	394	6	6	6	6	1,345	2,391	1
28	Hay and forage:								
29	Total.....acres	63,000	11,955	14,058	25,326	37,947	40,837	34,028	41,279
30	All tame or cultivated grasses.....acres	95,745	19,585	19,190	41,774	49,808	61,770	45,870	67,847
31	Timothy alone.....acres	31,016	8,321	8,579	18,663	19,537	18,825	23,437	26,636
32	Timothy and clover mixed.....acres	39,257	10,585	10,355	22,672	19,706	19,335	29,751	31,265
33	Clover alone.....acres	13,202	2,891	2,824	8,063	5,024	6,570	6,612	9,444
34	Alfalfa.....acres	16,384	4,392	3,275	8,566	5,139	6,832	8,485	13,063
35	Other tame or cultivated grasses.....acres	12,099	3,250	2,780	6,487	8,884	8,249	6,590	10,055
36	Timothy alone.....acres	15,377	3,690	3,212	9,945	8,650	8,617	9,210	10,596
37	Timothy and clover mixed.....acres	3,340	1,864	1,968	3,857	3,964	3,401	5,891	6,334
38	Clover alone.....acres	3,675	1,993	2,413	3,631	3,391	2,930	7,228	6,316
39	Alfalfa.....acres	2,011	256	259	235	1,509	436	1,115	623
40	Other tame or cultivated grasses.....acres	3,254	443	611	503	2,353	720	2,139	1,213
41	Wild, salt, or prairie grasses.....acres	293	58	844	21	156	160	2,929	80
42	Small grains cut for hay.....acres	357	788	28	4	2	206	82	18
43	Annual legumes cut for hay.....acres	744	943	396	187	449	514	632	795
44	Silage crops.....acres	676	17	292	15	25	52	1,702	103
45	Corn cut for forage.....acres	532	14	254	20	46	58	1,388	142
46	Kafir, sorghum, etc., for forage.....acres	5,490	606	843	2,031	1,343	2,497	953	2,888
47	Root crops for forage.....acres	31,917	4,994	4,604	12,364	11,637	18,205	6,788	22,150
48	Kafir, sorghum, etc., for forage.....acres	24,219	2,204	4,020	4,384	10,277	18,694	7,164	10,917
49	Root crops for forage.....acres	22,696	3,025	3,494	6,434	17,727	23,426	7,189	13,199
50	Kafir, sorghum, etc., for forage.....acres	227	17	8	84	156	31	35	77
51	Root crops for forage.....acres	210	10	7	93	241	26	34	94
52	Root crops for forage.....acres	4	2	2	2	4	4	1	23
53	Root crops for forage.....acres	32	14	1	40	40	6	6	274
54	Vegetables:								
55	Potatoes (Irish or white).....acres	2,369	347	1,328	457	932	777	365	518
56	Other vegetables.....bushels	83,961	17,115	102,450	18,339	34,767	25,317	18,691	29,438
57	Other vegetables.....acres	811	52	415	70	45	504	2,645	981
58	Miscellaneous crops:								
59	Tobacco.....acres	85	151	151	1,305	1,305	37	37	1
60	Sorghum grown for sirup.....pounds	75	65,843	124,732	240	1,148,474	100	36,050	936
61	Sirup made.....acres	27	23	81	41	99	91	378	59
62	Maple trees tapped.....acres	65	92	268	236	468	299	1,122	332
63	Maple sirup made.....gallons	1,646	1,141	4,513	2,292	8,408	3,417	16,045	2,204
64	Maple sirup made.....pounds	22,914	3,040	856	13,940	2,870	4,252	40	6,725
65	Maple sirup made.....gallons	922	20	10	380	576	1,309	8	1,787
66	FRUITS.								
67	Total.....acres	331	32	840	75	43	53	16	83
68	Strawberries.....quarts	204,700	35,631	961,709	98,848	37,020	50,855	12,321	63,981
69	Raspberries.....quarts	140	13	231	32	16	29	5	88
70	Blackberries and dewberries.....quarts	102,697	21,389	471,271	64,003	22,985	42,923	5,346	48,879
71	Blackberries and dewberries.....quarts	130	8	361	26	8	7	6	33
72	Blackberries and dewberries.....quarts	68,274	8,108	296,577	24,280	4,647	2,396	2,300	10,365
73	Blackberries and dewberries.....quarts	56	10	247	11	16	18	4	9
74	Blackberries and dewberries.....quarts	27,660	5,049	192,813	5,929	7,852	4,778	3,580	2,457
75	Orchard fruits:								
76	Total.....trees not of bearing age	22,300	9,832	19,615	13,165	18,881	10,216	18,453	8,148
77	Apples.....trees of bearing age	83,160	29,923	86,083	35,454	61,261	50,634	61,536	54,814
78	Peaches.....trees of bearing age	26,402	10,953	11,582	12,073	26,797	9,604	47,934	10,752
79	Pears.....trees of bearing age	12,800	5,097	6,678	7,144	9,569	6,456	9,027	3,953
80	Plums and prunes.....trees of bearing age	50,277	20,960	42,060	20,781	41,079	37,404	39,556	35,848
81	Cherries.....trees of bearing age	19,975	9,052	5,817	10,161	22,658	9,023	23,073	8,662
82	Apples.....bushels harvested	5,071	1,036	8,676	3,545	6,633	1,908	7,574	1,872
83	Peaches.....bushels harvested	5,773	1,327	25,703	4,770	9,844	3,506	6,372	2,550
84	Pears.....bushels harvested	81	284	3,056	435	1,466	59	3,959	92
85	Plums and prunes.....bushels harvested	1,387	1,961	1,012	656	705	545	254	825
86	Cherries.....bushels harvested	6,498	2,741	8,376	2,787	2,394	2,217	11,953	6,142
87	Apples.....trees not of bearing age	1,406	242	500	500	476	148	19,436	1,281
88	Peaches.....trees not of bearing age	1,090	786	1,701	463	765	400	363	380
89	Pears.....trees not of bearing age	5,827	1,443	3,118	2,330	3,263	2,158	1,110	2,589
90	Plums and prunes.....trees not of bearing age	1,352	821	253	359	907	120	444	455
91	Cherries.....trees not of bearing age	2,042	952	1,548	1,356	1,209	903	1,235	1,118
92	Apples.....bushels harvested	14,585	3,452	6,826	4,832	4,681	5,347	2,545	7,676
93	Peaches.....bushels harvested	3,588	1,054	215	617	1,290	253	1,022	262
94	Grapes.....vines not of bearing age	9,122	234	3,244	502	506	498	498	775
95	vines of bearing age	47,753	2,735	13,041	2,485	9,566	5,828	5,992	5,894
96	pounds harvested	412,280	31,456	41,860	42,232	72,421	96,457	17,349	82,012

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Greene.	Hamilton.	Hancock.	Harrison.	Hendricks.	Henry.	Howard.	Huntington.	Jackson.	Jasper.	Jay.	Jefferson.	Jennings.	
5,850,370 4,425,980 17,662 1,032,504 206,617 109,150 58,451	7,875,097 6,534,832 56,147 1,026,817 185,354 52,261 20,286	6,270,095 5,362,798 77,483 610,207 136,110 90,142 11,205	3,878,237 2,351,214 45,224 705,604 449,997 30,575 205,623	7,092,566 5,723,149 69,007 1,020,334 191,029 73,204 14,943	7,817,994 6,627,099 55,356 854,302 197,180 53,693 30,364	6,301,131 5,208,084 122,425 720,403 184,029 201,718 53,628 12,557	6,137,459 4,702,249 114,109 1,060,721 201,718 27,624 407,118 891 17,179 801 10,548 4 50	5,058,710 3,680,006 44,053 800,085 481,276 20,200 24,090	6,386,145 5,438,724 11,832 737,845 169,146 21,693 6,905	6,050,933 4,788,544 77,069 999,252 156,313 18,023 22,132	3,581,683 1,771,234 20,749 784,556 350,015 22,941 632,488	2,969,098 2,003,477 7,833 666,171 197,272 18,497 75,848	1 2 3 4 5 6 7
103,445 2,099,721 55,853 2,241,990 15,208 289,139 30,740 423,662 28 617 1,485 13,960 25 193 19 99 37 130	131,107 4,500,397 60,712 2,872,823 22,807 823,520 38,525 755,091 1,170 20,173 1,723 24,210 10 326 22 47	109,134 3,784,204 68,317 2,488,276 19,735 728,808 25,179 481,100 701 13,072 5,088 71,133 48 825 3 12	70,109 1,440,774 32,255 870,668 5,885 96,603 35,775 450,715 411 7,724 1,782 15,043 108 2,009 2,726 34,684 10 128 9 37 14 95 6 47 32 282 510 3,229	123,566 3,913,172 66,037 2,514,860 20,418 680,988 34,270 680,636 108 2,009 2,726 34,684 10 128 9 37 14 95 6 47 32 282 510 3,229	124,767 4,582,552 69,583 3,254,882 20,190 677,082 31,143 585,113 992 20,607 2,699 42,261 10 128 9 37 14 95 6 47 32 282 510 3,229	96,400 3,841,581 51,788 2,615,166 22,718 893,927 19,887 302,696 275 5,877 1,771 23,169 10 128 9 37 14 95 6 47 32 282 510 3,229	114,270 3,609,877 49,519 1,903,402 35,307 1,269,217 27,624 407,118 891 17,179 801 10,548 4 50	105,100 2,328,597 49,074 1,456,194 12,087 217,489 39,916 615,310 40 510 3,984 38,999 8 15	107,184 4,236,812 69,139 1,952,612 55,770 1,630,382 31,646 481,077 153 2,282 9,784 164,033 674 6,195	115,132 3,656,104 56,035 2,026,834 33,618 1,183,303 10,927 354,286 2,653 53,327 2,885 38,109 3 45	55,427 1,074,407 28,154 669,947 2,668 49,047 22,820 330,480 55 958 1,516 13,023 214 1,952	64,538 1,281,478 35,931 835,422 5,328 95,999 21,563 287,223 6 82 823 7,178 383 5,554	8 9 10 11 12 13 14 15 16 17 18 19 20 21
44,510 58,590 29,016 30,288 10,833 10,750 6,915 7,465 3,151 3,965 928 1,705 1,189 847	35,837 70,947 21,534 25,085 9,343 11,548 8,971 10,091 2,040 2,985 225 407 61 54	24,128 34,793 18,571 19,474 5,480 0,483 8,388 0,206 4,628 3,501 133 232 42 62	45,258 52,942 20,029 21,418 3,343 3,412 8,297 8,509 7,008 8,102 207 048 514 087	32,302 66,817 22,578 27,520 10,570 12,022 6,729 8,530 4,932 0,382 203 397 144 189	31,325 56,031 20,556 22,884 5,132 6,459 10,669 11,128 4,134 3,937 345 714 86 146	24,040 45,347 29,386 20,897 4,551 5,529 9,249 12,695 2,525 2,474 91 159 29 40	46,657 64,953 29,386 31,411 10,403 12,276 13,688 14,219 4,946 4,402 308 480 41 28	35,405 46,324 29,590 23,957 11,269 10,759 4,453 4,463 6,196 6,639 678 1,368 1,024 728	25,506 66,594 10,180 9,452 8,030 7,452 9,718 8,942 4,705 3,750 50 90 548 490	49,456 60,709 30,227 29,457 15,527 16,235 9,718 8,942 4,705 3,750 229 451 548 79	40,989 51,293 19,528 20,656 6,588 6,389 4,681 4,807 4,180 4,731 2,396 3,372 1,703 1,287	38,008 44,691 19,072 17,074 12,266 10,951 4,010 3,725 1,016 1,066 36 45 1,744 1,287	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40
20 23 2,862 3,335 273 206 2,160 13,434 10,141 11,180 34 32 2 741 15,190 201	5 20 609 722 3 3 3,703 30,070 9,956 13,822 20 31 20 6	1,128 0,234 3,051 4,704 31 40 1 248 9,513 237	1,405 0,439 29,009 4,734 8,196 62 124 11 274 10,632 565	1 1 1,208 1,682 103 154 3,870 29,080 4,734 11,193 10 25 19 459 10,957 385	19 21,000 119 684 288 3,045 10,134 36 77 3,028	790 23,071 188	678 20,384 1,948	460 13,492 570	430 17,128 314	559 20,201 827	627 24,326 254	54 55 56	
121 115,608 277 1,636 19,117 1,304 60 474	3 3,400 156 859 9,706 4,767 120 1,867	1 445 172 601 7,203 969 80 256	726 639,069 468 1,007 30,838 81 26	1 643 73 438 8,362 2,553 939	19 21,000 119 684 288 3,045 10,134 36 77 3,028	13 9,053 366 1,107 14,205 831 106	790 23,071 188	678 20,384 1,948	460 13,492 570	430 17,128 314	559 20,201 827	627 24,326 254	54 55 56
92 48,903 24 20,925 16 8,310 44 13,079	42 26,264 15 14,954 13 0,890 13 3,115	80 54,277 16 25,914 6 3,007 64 21,506	83 60,486 40 30,002 12 10,090 30 18,989	50 38,992 24 31,176 8 2,671 17 4,365	59 53,558 31 35,292 13 8,614 12 7,379	71 55,049 24 25,377 31 19,874 14 7,958	39 23,834 16 14,919 13 4,172 9 3,988	63 50,934 23 26,688 6 3,861 33 24,770	20 19,629 12 12,719 3 1,548 14 4,827	17 15,602 11 12,013 1 615 5 1,036	56 35,192 27 22,841 9 2,928 17 7,017	45 22,032 14 9,825 6 682 29 11,330	65 66 67 68 69 70 71 72
44,606 104,145 37,218 22,482 69,198 31,236 14,984 21,202 3,161 1,114 4,535 1,047 1,374 2,923 660 4,742 6,287 1,114	11,425 04,835 10,554 6,192 41,461 12,063 3,491 4,422 826 725 5,852 2,679 675 3,177 255 1,342 9,923 731	10,042 43,364 21,372 5,471 29,482 18,030 3,800 4,132 287 385 2,636 677 414 2,235 418 850 4,079 1,051	44,081 140,411 6,063 22,571 86,771 1,609 16,976 35,186 1,440 1,427 10,138 2,639 1,059 3,685 209 2,048 5,631 166	11,005 48,874 25,432 6,030 32,769 22,666 3,437 3,838 345 395 4,974 1,255 432 2,790 744 707 4,513 422	14,432 74,300 14,675 6,907 47,197 10,687 4,513 6,507 120 790 9,410 2,046 766 4,007 727 1,456 7,176 1,095	8,352 52,991 11,044 4,706 33,568 9,376 2,010 4,246 122 322 5,356 719 389 2,739 292 999 7,056 532	7,276 58,837 8,029 3,478 36,461 6,750 2,277 6,285 193 376 4,643 406 254 2,738 338 891 8,704 342	22,958 76,235 5,530 15,254 37,386 4,687 5,387 31,649 245 687 1,621 55 340 1,380 49 1,290 3,749 494	7,264 51,555 4,903 8,284 25,049 5,027 1,436 1,166 13 517 2,875 279 364 973 21 863 3,108 278	10,903 51,555 4,903 8,284 25,049 5,027 1,436 1,166 13 517 2,875 279 364 973 21 863 3,108 278	21,452 72,483 5,569 13,897 43,618 3,912 4,768 21,117 1,289 1,045 3,008 9 664 1,620 141 1,078 3,220 218	11,580 52,711 4,315 8,061 42,776 3,932 1,792 3,299 24 423 1,840 80 396 1,621 85 908 3,169 52,866	73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
934 6,651 102,695	408 5,157 97,579	6,032 3,895 39,354	1,578 12,131 38,205	581 3,310 57,651	821 8,070 101,273	611 6,686 218,051	537 7,510 88,285	381 7,555 61,481	1,680 5,983 65,103	590 3,630 48,175	601 6,305 20,060	710 6,397 52,866	91 92 93

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		Johnson.	Knox.	Kosciusko.	Lagrange.	Lake.	La Porte.	Lawrence.	Madison.
VALUE OF ALL CROPS.									
1	Total.....dollars..	5,904,965	7,588,072	7,702,187	5,194,443	5,770,943	7,421,277	2,901,828	9,527,254
2	Cereals.....dollars..	4,582,130	6,017,919	5,488,092	3,614,825	3,692,602	5,690,858	1,954,222	7,960,475
3	Other grains and seeds.....dollars..	63,048	55,795	171,769	109,843	47,037	17,746	8,410	40,955
4	Hay and forage.....dollars..	1,021,636	1,021,165	1,405,898	1,134,469	1,644,107	1,232,401	705,884	1,103,633
5	Vegetables.....dollars..	166,984	363,436	413,964	200,166	281,177	309,822	148,003	353,690
6	Fruits and nuts.....dollars..	65,037	117,075	59,200	34,683	44,897	141,730	56,392	56,285
7	All other crops.....dollars..	6,130	12,683	163,264	100,457	61,123	22,720	30,917	12,216
SELECTED CROPS (acres harvested and production).									
8	Cereals:								
9	Total.....acres..	105,038	170,775	142,720	100,035	104,178	172,645	61,437	150,720
10	Corn.....bushels..	2,722,161	3,699,292	3,694,016	2,340,232	2,891,119	3,847,756	1,312,056	5,438,106
11	Oats.....bushels..	52,373	78,578	57,173	36,595	40,536	61,047	35,557	80,600
12	Wheat.....bushels..	1,656,668	2,320,105	2,069,567	1,190,606	1,178,590	1,614,390	940,664	3,703,555
13	Barley.....bushels..	3,819	13,366	22,626	13,287	36,171	37,106	8,483	22,789
14	Rye.....bushels..	94,200	236,477	654,002	315,586	1,204,951	979,492	150,350	794,549
15	Buckwheat.....bushels..	48,979	76,474	48,888	32,466	20,146	57,893	15,788	40,709
16	Other grains and seeds.....bushels..	966,740	1,120,521	765,339	577,148	393,145	1,033,867	204,619	821,264
17	Dry edible beans.....acres..	2	54	12	37	4	75	19	10
18	Dry peas.....bushels..	8	244	69	266	70	478	60	54
19	Hay and forage.....bushels..	4,154	18,554	156,879	233,703	55,858	207,119	16,716	61,330
20	Buckwheat.....bushels..	62	83	87	87	350	129	11	5
21	Other grains and seeds.....bushels..	630	1,041	1,174	4,442	968	108	73	73
22	Other grains and seeds:								
23	Dry edible beans.....acres..	2	54	12	37	4	75	19	10
24	Dry peas.....bushels..	8	244	69	266	70	478	60	54
25	Hay and forage.....bushels..	4,154	18,554	156,879	233,703	55,858	207,119	16,716	61,330
26	Hay and forage:								
27	Total.....acres..	40,819	35,846	63,200	55,922	55,866	51,699	30,552	38,160
28	All tame or cultivated grasses.....acres..	72,027	63,618	90,283	79,319	124,781	91,197	38,838	79,032
29	Timothy alone.....acres..	18,523	21,936	34,539	26,915	30,715	20,144	19,725	21,467
30	Timothy and clover mixed.....acres..	24,015	27,949	38,916	28,175	35,348	20,423	22,531	25,557
31	Clover alone.....acres..	4,989	8,320	13,225	4,703	18,013	13,346	4,756	8,723
32	Alfalfa.....acres..	6,882	10,051	15,739	5,104	20,460	13,346	4,980	10,436
33	Other tame or cultivated grasses.....acres..	7,392	5,233	15,284	14,351	11,157	9,532	7,161	9,312
34	Wild, salt, or prairie grasses.....acres..	9,736	7,229	17,138	14,467	12,933	9,522	8,036	11,711
35	Small grains cut for hay.....acres..	5,842	6,998	5,111	6,706	805	2,220	5,135	3,164
36	Annual legumes cut for hay.....acres..	7,742	8,130	4,547	6,650	1,023	2,019	5,662	2,848
37	Silage crops.....acres..	275	1,206	542	976	217	737	1,448	249
38	Corn cut for forage.....acres..	510	2,366	1,170	1,068	467	1,189	2,739	632
39	Kafir, sorghum, etc., for forage.....acres..	25	179	277	179	463	309	1,225	19
40	Root crops for forage.....acres..	45	173	322	286	465	347	1,114	30
41	Vegetables:								
42	Potatoes (Irish or white).....acres..	1	19	150	115	1,687	2,107	93	2
43	Other vegetables.....bushels..	1	24	248	186	1,772	2,101	183	4
44	Tobacco.....pounds..	719	1,508	229	282	117	682	1,421	933
45	Sorghum grown for sirup.....acres..	1,067	1,333	370	278	108	1,165	1,157	1,101
46	Sirup made.....gallons..	6	1,164	99	112	28	164	161	147
47	Maple trees tapped.....number..	8	895	104	91	28	86	187	223
48	Maple sugar made.....pounds..	4,036	8,036	3,311	8,934	11,854	7,626	1,404	3,878
49	Maple sirup made.....gallons..	27,264	19,905	24,448	25,361	74,448	45,503	7,419	32,893
50	Kafir, sorghum, etc., for forage.....acres..	17,485	7,970	24,740	24,504	11,393	14,014	7,631	11,611
51	Root crops for forage.....acres..	18,697	13,164	25,998	25,086	12,797	15,772	7,254	10,060
52	Fruits and nuts.....acres..	47	213	128	38	48	64	117	109
53	Other fruits and nuts.....acres..	70	258	171	30	60	67	127	157
54	Vegetables.....bushels..	2	4	22	22	24	8	3	3
55	Potatoes (Irish or white).....acres..	15	28	112	170	90	90	37	37
56	Other vegetables.....bushels..	131	295	920	796	534	2,188	464	869
57	Tobacco.....pounds..	2,903	23,262	38,434	33,148	9,645	67,565	12,223	23,395
58	Sorghum grown for sirup.....acres..	1,205	1,656	936	138	1,549	375	385	1,497
59	Miscellaneous crops:								
60	Tobacco.....acres..	8	3					9	
61	Sorghum grown for sirup.....pounds..	7,230	2,915			193		6,889	202
62	Sirup made.....gallons..	40	157	42	36	8	27	273	105
63	Maple trees tapped.....number..	89	826	124	112	28	117	932	408
64	Maple sugar made.....pounds..	1,196	7,396	1,802	1,598	486	1,413	12,108	4,768
65	Maple sirup made.....gallons..	2,347	1,009	20,302	16,073		6,385	8,846	3,066
66	Fruits and nuts.....acres..	855	313	5,622	3,873		485	1,440	
67	Other fruits and nuts.....acres..					1,352	4,161	949	
68	FRUITS.								
69	Total.....acres..	35	80	111	62	62	281	43	90
70	Strawberries.....acres..	29,030	52,729	112,440	61,214	65,897	377,597	23,871	55,396
71	Raspberries.....acres..	20	33	73	47	54	191	8	42
72	Blackberries and dewberries.....acres..	21,911	80,036	92,936	52,978	62,399	308,876	6,016	39,795
73	Peaches.....acres..	7	16	27	8	5	57	17	29
74	Pears.....acres..	3,344	7,258	10,180	4,364	2,355	47,784	8,912	8,840
75	Cherries.....acres..	7	26	8	6	2	17	16	17
76	Other fruits and nuts.....acres..	2,368	9,634	5,871	3,038	462	8,221	7,205	5,477
77	Orchard fruits:								
78	Total.....trees not of bearing age..	12,803	65,080	18,091	9,421	11,669	21,682	69,798	11,785
79	Apples.....bushels harvested..	54,164	69,477	71,725	36,755	32,078	55,663	128,518	64,400
80	Peaches.....bushels harvested..	23,418	40,987	11,326	4,980	10,895	21,813	19,857	16,433
81	Pears.....bushels harvested..	7,553	26,748	11,707	8,843	5,936	1,268	32,524	6,532
82	Cherries.....bushels harvested..	41,444	39,321	45,400	22,613	32,521	30,438	77,334	43,210
83	Other fruits and nuts.....bushels harvested..	21,872	29,737	8,657	2,205	10,147	17,939	15,300	13,613
84	Peaches.....trees not of bearing age..	2,968	32,867	4,298	2,861	1,989	6,122	30,761	2,796
85	Pears.....trees not of bearing age..	4,495	20,692	8,627	3,902	1,740	14,689	38,830	3,502
86	Cherries.....trees not of bearing age..	207	6,510	589	120	59	39	2,824	373
87	Other fruits and nuts.....trees not of bearing age..	339	794	548	450	991	2,241	1,006	675
88	Apples.....bushels harvested..	2,314	3,756	4,760	2,785	1,683	3,131	3,587	5,574
89	Peaches.....bushels harvested..	366	3,102	953	1,368	1,173	1,186	3,350	1,070
90	Pears.....bushels harvested..	396	629	234	444	431	433	852	574
91	Cherries.....bushels harvested..	1,715	1,159	3,401	2,057	551	1,155	1,696	2,201
92	Other fruits and nuts.....bushels harvested..	306	428	374	108	13	471	338	184
93	Apples.....trees not of bearing age..	1,197	4,042	1,304	819	1,322	1,618	4,055	1,158
94	Peaches.....trees not of bearing age..	4,196	4,545	9,531	5,368	4,583	6,250	5,066	9,853
95	Pears.....trees not of bearing age..	667	1,210	753	1,177	503	2,183	1,045	1,334
96	Cherries.....trees not of bearing age..								
97	Other fruits and nuts.....trees not of bearing age..	432	802	593	851	827	650	443	515
98	Apples.....vines of bearing age..	2,507	5,254	7,424	7,653	5,323	11,966	2,315	3,648
99	Peaches.....vines of bearing age..	32,037	44,787	120,357	137,611	71,633	154,441	13,249	60,368
100	Pears.....pounds harvested..								

AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

Marion.	Marshall.	Martin.	Miami.	Monroe.	Montgomery.	Morgan.	Newton.	Noble.	Ohio.	Orange.	Owen.	Parke.	
6,610,087 4,483,876 33,652 1,004,902 887,430 128,124 12,094	6,673,508 4,761,187 68,849 1,371,621 324,721 52,849 94,281	1,861,232 1,131,275 24,407 627,045 122,793 25,928 29,724	5,815,087 4,481,049 109,115 995,431 137,218 24,642 16,982	2,681,735 1,648,550 10,722 751,030 188,247 37,839 45,347	8,413,037 6,932,281 115,292 1,090,456 201,145 52,558 21,305	4,627,747 3,003,123 33,401 738,044 165,125 74,819 13,235	5,241,242 4,805,792 0,251 370,727 44,327 12,209 1,936	6,741,125 4,615,439 146,642 1,453,257 425,036 37,963 62,638	913,067 399,892 1,730 273,088 46,022 6,183 185,552	2,700,073 1,718,660 27,033 721,515 165,681 19,799 50,285	2,622,601 1,772,549 12,974 632,453 183,872 28,861 36,892	4,654,293 3,686,014 34,562 708,910 163,397 31,567 28,843	1 2 3 4 5 6 7
103,637 2,974,315 51,240 1,784,802 16,831 499,721 35,054 687,767 213 3,066 1,260 17,593 15 206	121,669 3,105,122 48,433 1,790,027 16,688 449,001 47,837 758,383 499 8,897 7,951 91,952 141 2,176	38,145 743,476 23,906 676,511 3,052 47,640 10,590 116,598 14 88 490 3,689 3 50	106,606 3,041,603 50,486 1,092,114 15,014 505,548 39,689 554,728 14 4,347 1,100 14,306 3 10	51,456 1,118,570 29,736 812,124 7,671 137,147 12,002 160,182 28 200 1,115 8,867 1 10	158,351 5,239,343 81,960 3,168,112 45,078 1,518,604 23,005 440,301 143 3,192 8,104 108,294 15 230	91,685 2,292,271 49,516 1,553,466 6,820 177,474 34,301 547,283 49 550 999 13,468 15 20	123,893 3,902,662 56,962 2,032,340 49,437 1,544,977 11,040 205,552 229 4,026 5,368 62,440 234 2,457	111,096 3,067,453 40,177 1,477,285 17,554 593,365 41,022 768,717 5,642 118,115 6,451 104,019 53 1,102	11,324 249,175 5,928 175,509 8,373 6,435 4,244 58,805 3 51 761 8,075 300	59,751 1,130,847 33,851 800,670 6,921 114,352 18,134 209,679 23 189 817 5,942 162	54,638 1,190,398 29,828 818,338 8,683 155,771 14,908 204,329 19 1,202 11,758 19 162	100,030 2,584,227 50,632 1,577,862 20,504 557,655 25,975 416,513 17 1,389 2,822 30,808 19 41	8 9 10 11 12 13 14 15 16 17 18 19 20 21
103 339 19 440	131 805 66 313	31 133 2 12	3 81 2 7	59 194 19 95	5 26 19 95	20 93 2 10	3 16 2 10	5 33 2 10	44 209 8 14	41 123 2 10	19 48 2 10	22 23 24 25	
39,609 70,068 21,607 26,415 11,351 14,219 5,031 5,060 4,332 4,690 728 1,604 127 133	58,253 105,274 25,459 27,709 10,255 11,461 11,083 11,578 2,973 2,525 836 1,716 812 439	29,355 34,480 12,551 13,510 4,780 5,390 5,265 5,260 1,627 1,815 180 288 1,109 757	42,837 78,253 20,699 22,084 6,247 7,485 10,126 11,354 4,099 3,481 174 296 53 68	35,800 45,181 19,249 21,589 10,497 9,634 5,852 8,539 1,698 2,296 187 366 1,015 754	36,417 62,139 27,478 34,838 9,237 10,665 13,080 18,716 4,867 4,895 261 545 27 27	26,671 44,620 18,470 20,672 10,459 11,581 2,694 3,097 4,522 4,622 702 1,292 93 80	12,490 31,612 5,927 5,826 3,487 3,459 1,198 1,208 4,774 5,593 29 57 532 553	60,069 95,410 30,266 39,442 10,716 14,717 13,759 17,428 4,607 5,593 29 57 532 553	10,655 13,540 8,103 8,881 3,312 3,477 1,544 1,540 6,057 2,535 2,555 3,212 55 47	35,257 49,232 16,319 18,479 3,807 4,029 6,414 7,748 4,657 5,235 255 493 1,176 974	33,432 34,219 21,757 19,947 13,224 11,055 4,938 4,618 1,585 1,746 596 1,413 1,414 1,115	26,384 42,222 19,045 20,858 8,903 9,548 4,532 5,861 4,838 4,074 640 1,345 42 30	26 27 28 29 30 31 32 33 34 35 36 37 38 39
1,791 2,100 186 276 3,648 22,439 12,267 18,697 247 718 3 29	830 812 107 103 4,736 37,289 26,620 38,790 71 89 1 4	222 187 1,057 1,138 215 235 1,201 6,528 12,681 12,247 526 670 15	32 25 171 164 31 30 3,217 23,112 18,653 27,158 64 80 110	28 33 1,944 1,074 235 161 1,399 9,667 12,800 11,941 85 120 5	2 1 501 735 21 29 2,332 16,590 6,024 0,322 60 120 14	2 1 1,617 1,565 21 351 2,524 16,987 3,817 4,944 73 86 2 14	1,815 1,699 217 176 141 12 11 3,053 20,480 1,963 3,443 8 18 23 91	30 36 176 141 78 82 12 416 23,690 24,894 20,926 79 72 23 91	416 3,090 2,050 1,468 8 10 2 20	1,567 8,979 4,420 5,535 8,156 157 59 2 20	908 4,420 8,535 8,156 69 59 2 16	2,291 15,095 3,899 5,101 1,50 2 51 53	40 41 42 43 44 45 46 47 48 49 50 51 52 53
1,210 55,851 4,374	1,189 50,086 385	396 11,125 243	479 16,949 1,507	478 17,642 193	308 13,925 321	306 5,816 944	107 4,402 66	1,086 41,017 1,057	214 7,663 341	159 8,656 341	488 15,405 78	355 12,566 126	54 55 56
13 9,092 76 279 3,302 2,720 5 837	43 35,930 76 870 4,800 22,963 361 5,262	48 10 7 37 1,285 13,983 796 22 100	48 34,730 271 1,445 17,341 11,119 96 6,132	48 444 84 450 3,286 15,815 100 6,087	1 444 84 450 3,286 15,815 100 6,087	7 4,390 138 333 5,194 4,170 10 1,639	15 7,043 4 4,314 1 492 10 2,229	48 65,992 38 61,729 7 2,666 3 1,025	2 2,088 2 1,964 7 8,324 10 124	42 32,479 15 10,840 7 8,324 10 11,470	73 24,998 12 7,367 7 2,005 53 13,466	79 45,675 23 19,173 21 9,307 29 10,614	65 66 67 68 69 70 71 72
187 238,652 136 197,997 82 28,266 10 4,149	77 45,074 43 29,016 21 3,703 11 5,779	77 48,830 9 7,768 12 5,999 55 34,551	36 43,892 25 35,324 5 5,336 6 2,610	82 55,809 19 21,691 40 20,660 21 12,002	76 87,881 14 78,462 12 4,642 17 4,995	115 59,292 23 29,335 44 27,438 39 12,411	15 7,043 4 4,314 1 492 10 2,229	48 65,992 38 61,729 7 2,666 3 1,025	2 2,088 2 1,964 7 8,324 10 124	42 32,479 15 10,840 7 8,324 10 11,470	73 24,998 12 7,367 7 2,005 53 13,466	79 45,675 23 19,173 21 9,307 29 10,614	65 66 67 68 69 70 71 72
17,870 77,609 27,621 9,934 42,065 20,709 4,235 6,170 679 958 11,004 1,228 4,705 645 1,506 13,642 2,754	14,047 56,308 14,902 8,871 38,816 13,346 2,828 5,329 121 587 3,772 621 2,270 242 1,140 6,121 653	31,339 78,157 6,210 18,491 54,681 4,088 10,967 17,963 1,794 391 1,589 120 354 1,050 130 1,736 2,874 78	10,627 46,933 5,912 6,789 32,769 5,386 2,600 6,175 210 425 1,879 122 325 2,005 138 488 4,102 56	49,846 97,888 9,287 21,290 52,979 6,109 24,988 35,281 2,085 621 3,040 79 341 1,433 267 854 4,307 615	9,845 32,783 12,526 5,545 20,281 10,409 2,651 5,255 615 454 1,918 619 341 1,433 267 854 4,307 615	64,820 118,996 24,782 33,589 57,991 23,043 29,385 48,428 862 324 4,775 201 58 2,397 167 952 4,907 813	2,607 14,851 3,674 3,674 11,444 3,491 551 630 28 225 927 58 48 717 167 359 1,145 80	12,575 56,284 7,694 7,133 33,799 4,956 2,877 7,930 66 496 4,162 1,660 1,067 2,879 1,667 1,002 7,614 745	3,353 12,327 1,861 41,214 74,192 3,950 17,421 2,118 177 183 653 8 90 743 101 1,688 3,488 203	61,298 121,494 5,124 41,214 39,990 8,133 17,421 39,595 515 556 2,075 55 419 1,291 1,01 1,838 3,488 203	33,341 56,203 9,146 21,980 39,990 8,133 17,421 10,500 554 876 1,308 111 427 1,291 1,01 1,838 2,614 54	9,525 42,074 3,126 4,493 27,461 6,704 2,952 6,183 518 518 2,644 476 1,601 266 1,171 4,785 239	73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90
1,229 13,713 157,009	765 8,356 104,699	193 1,866 6,665	653 1,365 19,730	1,170 2,814 27,025	362 3,535 57,430	4,284 31,639	2,463 27,560	5,610 89,889	576 13,705	1,040 3,860	2,159 23,352	2,988 40,619	91 92 93

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE

		Perry.	Pike.	Porter.	Posey.	Pulaski.	Putnam.	Randolph.	Ripley.	Rush.
VALUE OF ALL CROPS.										
1	Total.....dollars..	2,386,548	3,134,946	5,206,770	5,781,853	4,540,719	5,084,652	8,459,146	4,765,662	8,821,660
2	Cereals.....dollars..	1,445,619	2,238,918	3,633,300	4,701,365	3,729,944	3,955,888	7,070,049	2,990,617	7,878,513
3	Other grains and seeds.....dollars..	34,888	19,248	21,885	43,140	22,711	56,659	93,752	23,000	74,772
4	Hay and forage.....dollars..	547,655	604,364	1,806,089	662,435	651,024	860,493	908,386	1,262,939	672,104
5	Vegetables.....dollars..	208,910	164,516	163,714	243,833	111,061	121,035	257,670	297,193	122,442
6	Fruits and nuts.....dollars..	28,018	66,787	78,832	107,471	19,159	50,451	18,763	50,503	33,016
7	All other crops.....dollars..	121,758	41,113	2,050	23,604	6,830	40,126	114,026	141,315	39,813
SELECTED CROPS (acres harvested and production).										
8	Cereals:									
9	Total.....acres..	46,386	60,235	103,169	134,184	126,108	102,417	149,209	87,534	145,513
10	Corn.....bushels..	889,242	1,434,500	2,676,726	2,802,169	2,764,475	2,716,147	5,008,544	1,838,229	5,006,289
11	Oats.....bushels..	22,206	36,992	35,210	60,598	49,499	56,534	78,110	40,927	79,645
12	Wheat.....bushels..	569,410	1,030,694	1,012,788	1,704,397	1,376,768	1,763,635	3,228,646	1,170,484	3,699,294
13	Barley.....bushels..	2,832	5,899	31,789	6,584	32,666	17,700	29,350	4,326	6,352
14	Rye.....bushels..	49,574	93,970	998,665	108,008	844,376	468,536	1,038,714	83,535	206,904
15	Buckwheat.....bushels..	20,842	22,089	28,657	60,351	28,011	25,177	37,800	37,031	55,860
16	Other grains and seeds.....bushels..	261,669	305,002	551,365	983,545	886,130	445,197	672,704	522,854	1,043,460
17	Barley.....acres..	192	2	973	33	97	219	2,265	116	192
18	Rye.....acres..	3,900	50	17,227	380	1,467	4,139	43,579	2,133	3,158
19	Buckwheat.....acres..	514	645	6,154	608	16,389	2,599	1,599	4,804	3,370
20	Other grains and seeds.....bushels..	4,680	4,822	90,984	5,769	141,694	32,205	23,095	55,748	51,968
21	Buckwheat.....acres..	3		371		432		270	94	
22	Other grains and seeds.....bushels..	3		4,315		4,825		3,470	1,515	
23	Dry edible beans.....acres..	64	26	25	11	70	37	8	129	1
24	Dry peas.....bushels..	249	109	84	20	325	29	54	560	4
25	Dry peas.....acres..	2	79		271	109			3	
26	Hay and forage:									
27	Total.....acres..	27,120	27,988	49,183	23,768	26,949	37,907	43,394	62,413	25,205
28	All tame or cultivated grasses.....acres..	30,119	33,166	95,381	33,382	50,315	50,885	65,565	82,454	38,879
29	Timothy alone.....acres..	17,014	18,387	26,285	18,103	12,053	25,087	23,801	31,566	18,328
30	Timothy and clover mixed.....acres..	15,470	19,809	29,845	23,154	11,923	24,901	20,452	34,192	20,510
31	Clover alone.....acres..	3,055	6,305	13,323	4,175	8,792	13,690	6,895	15,229	6,160
32	Alfalfa.....acres..	4,127	7,768	14,305	4,879	8,635	13,731	6,900	15,565	7,081
33	Other tame or cultivated grasses.....acres..	3,085	4,128	9,085	2,117	2,060	6,179	9,003	12,932	8,001
34	Alfalfa.....acres..	3,296	4,500	11,609	3,591	2,163	6,337	7,776	14,373	9,472
35	Other tame or cultivated grasses.....acres..	7,663	2,830	1,573	9,659	648	4,316	7,351	2,672	3,196
36	Alfalfa.....acres..	8,470	3,400	1,031	12,108	508	3,920	4,884	3,222	2,350
37	Other tame or cultivated grasses.....acres..	331	357	927	1,108	56	442	457	555	254
38	Alfalfa.....acres..	326	755	1,800	2,327	110	835	830	754	455
39	Other tame or cultivated grasses.....acres..	1,980	4,147	267	244	497	98	64	198	137
40	Wild, salt, or prairie grasses.....acres..	1,751	3,396	349	249	557	70	62	248	132
41	Small grains out for hay.....acres..	192	23	1,011	5	2,572	5		12	
42	Annual legumes out for hay.....acres..	154	18	1,017	8	2,032	7		16	
43	Silage crops.....acres..	423	1,016	228	402	939	1,987	960	287	988
44	Corn out for forage.....acres..	322	954	182	274	1,077	1,808	1,158	238	1,247
45	Kafir, sorghum, etc., for forage.....acres..	446	759	26	865	271	351	37	15	64
46	Root crops for forage.....acres..	473	787	43	860	387	436	41	11	66
47	Potatoes (Irish or white).....acres..	236	686	8,708	743	3,357	2,223	2,839	3,495	1,182
48	Other vegetables.....acres..	809	3,621	52,591	4,923	22,556	12,659	25,487	19,213	10,933
49	Corn out for forage.....acres..	8,620	6,906	9,907	3,642	7,638	8,248	15,011	27,009	4,643
50	Kafir, sorghum, etc., for forage.....acres..	9,541	7,546	11,607	4,163	12,009	10,490	18,276	28,685	6,123
51	Root crops for forage.....acres..	189	211	5	8	119	21	145	29	
52	Other vegetables.....acres..	350	431	5	10	331	24	139	99	
53	Root crops for forage.....acres..			13				1		
54	Potatoes (Irish or white).....bushels..	517	189	1,264	735	460	257	625	1,258	365
55	Other vegetables.....bushels..	35,392	9,630	33,289	43,842	14,478	8,623	33,707	38,375	9,856
56	Other vegetables.....acres..	102	513	101	435	101	220	387	72	97
Miscellaneous crops:										
57	Tobacco.....acres..	178	128		18		10	490	577	121
58	Sorghum grown for sirup.....pounds..	143,745	113,985	200	9,635	200	6,993	300,525	472,386	122,467
59	Sirup made.....acres..	741	214	21	180	127	127	160	229	31
60	Maple trees tapped.....acres..	4,538	765	73	704	424	833	644	1,313	121
61	Maple sugar made.....gallons..	58,893	8,207	1,272	11,430	4,664	9,132	7,350	13,982	1,573
62	Maple sirup made.....number..	26	773	210	26		24,479	7,037	435	8,276
63	Maple sirup made.....pounds..	8	8	30			68	800		50
64	Maple sirup made.....gallons..	6	154	55	64		9,406	1,428	124	2,495
FRUITS.										
65	Small fruits:									
66	Total.....acres..	38	34	102	48	28	49	39	40	35
67	Strawberries.....quarts..	19,926	16,858	122,246	47,529	17,674	31,730	20,810	25,260	32,731
68	Raspberries.....acres..	8	5	63	19	11	21	25	17	21
69	Blackberries and dewberries.....acres..	6,850	3,143	100,676	30,998	10,660	19,251	18,902	15,730	23,942
70	Blackberries and dewberries.....quarts..	2	6	26	6	6	14	7	8	4
71	Blackberries and dewberries.....acres..	1,462	2,374	10,877	4,539	2,039	5,314	3,036	4,537	1,794
72	Blackberries and dewberries.....quarts..	28	20	11	21	11	12	4	15	9
73	Orchard fruits:									
74	Total.....trees not of bearing age..	20,033	18,061	16,011	17,229	5,164	28,415	9,558	20,014	9,166
75	Apples.....bushels harvested..	49,830	45,805	41,651	42,072	26,247	81,477	59,353	85,772	42,602
76	Peaches.....trees not of bearing age..	8,871	24,441	17,309	39,705	5,329	17,205	4,123	14,270	8,818
77	Peaches.....bushels harvested..	12,894	8,573	10,509	7,931	2,989	15,549	5,789	11,689	4,650
78	Pears.....trees not of bearing age..	39,315	30,843	26,892	15,187	20,119	52,867	44,883	62,849	30,808
79	Pears.....bushels harvested..	4,281	13,932	13,932	15,979	5,029	15,462	3,108	12,093	7,104
80	Plums and prunes.....trees not of bearing age..	5,277	7,044	2,673	6,790	850	7,942	1,300	4,288	2,410
81	Cherries.....bushels harvested..	11,250	8,185	2,827	8,797	2,209	10,875	2,221	7,151	2,449
82	Cherries.....trees not of bearing age..	2,462	3,168	53	5,477	23	700	41	340	156
83	Plums and prunes.....bushels harvested..	390	497	1,014	680	348	3,390	608	1,106	544
84	Cherries.....trees not of bearing age..	2,495	2,324	4,507	14,046	731	4,455	3,916	3,826	3,190
85	Plums and prunes.....bushels harvested..	1,712	1,526	1,147	10,421	62	401	513	173	282
86	Cherries.....trees not of bearing age..	1,190	1,122	1,252	579	302	406	443	1,198	601
87	Plums and prunes.....bushels harvested..	238	267	1,220	1,381	602	2,603	2,458	4,636	1,990
88	Cherries.....trees not of bearing age..	720	1,526	1,288	1,269	22	292	118	594	345
89	Plums and prunes.....bushels harvested..	1,577	3,421	6,171	2,551	675	1,128	1,328	1,733	954
90	Cherries.....trees not of bearing age..	178	860	2,057	1,021	2,556	4,072	5,905	7,810	4,305
91	Grapes.....vines not of bearing age..	1,424	238	1,079	1,201	447	385	479	759	118
92	Grapes.....vines of bearing age..	10,615	5,624	16,613	22,494	3,979	2,403	3,985	13,940	2,850
93	Grapes.....pounds harvested..	23,533	33,678	155,254	60,219	37,921	28,884	46,650	138,935	61,697

AGRICULTURE—INDIANA.

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AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

St. Joseph.	Scott.	Shelby.	Spencer.	Starke.	Steuben.	Sullivan.	Switzer- land.	Tippecanoe.	Tipton.	Union.	Vander- burg.	Vermilion.	
5,619,347	1,737,062	8,110,956	5,454,800	3,053,824	3,867,334	5,213,156	2,023,099	9,031,474	6,131,071	3,251,344	3,595,162	2,950,828	1
3,444,209	1,168,512	6,841,285	3,021,266	2,122,775	2,524,869	4,021,171	749,538	7,809,459	5,190,514	2,351,214	2,330,073	2,528,119	2
38,280	5,064	113,173	61,668	26,486	50,575	16,437	2,595	42,478	72,854	3,085	30,416	6,277	3
1,177,304	380,039	888,984	1,073,378	457,624	981,559	884,465	609,923	857,369	560,508	316,400	702,528	337,408	4
472,040	154,680	219,374	254,423	313,416	249,020	184,750	144,635	205,572	271,300	61,075	388,367	61,306	5
83,654	11,473	33,622	60,354	31,714	30,711	122,501	17,829	113,665	32,798	18,331	128,081	19,234	6
402,855	17,294	28,518	984,683	119,809	30,580	13,763	498,579	2,931	3,097	1,239	17,697	4,484	7
107,809	85,034	155,490	90,128	71,987	72,968	119,595	25,799	185,243	91,148	47,167	61,870	70,415	8
2,207,038	730,068	4,320,520	1,823,438	1,459,300	1,737,232	2,663,906	475,670	5,807,748	3,624,832	1,774,937	1,380,144	1,892,369	9
30,026	18,885	79,478	39,025	25,336	24,251	58,054	14,846	92,172	49,500	25,560	27,453	34,574	10
977,503	482,041	2,854,611	1,071,927	701,774	704,066	1,756,200	327,644	3,615,556	2,522,144	1,335,138	833,938	1,067,589	11
19,997	2,657	11,490	5,967	14,271	11,237	17,006	1,478	50,443	14,402	919	2,690	18,640	12
538,053	56,355	339,277	109,005	328,912	318,231	352,885	23,646	1,518,148	594,375	27,938	46,669	507,850	13
40,228	13,407	63,012	43,313	17,875	14,345	42,491	7,417	30,853	23,998	20,553	31,625	13,595	14
938,209	100,086	1,100,003	621,556	200,959	235,457	537,052	102,951	509,794	440,362	410,631	493,838	209,713	15
570	165	232	185	6,427	6,427	65	19	182	1,653	30,383	685	53	16
0,040	0,070	2,026	4,789	2,480	113,780	1,099	254	2,725	30,383	1,425	102	3,538	17
10,028	0,070	1,328	1,591	13,674	16,468	1,551	2,006	11,542	1,425	1,230	699	46,067	18
120,063	1	17,610	16,207	121,185	252,375	15,153	20,895	160,805	23,443	1,230	699	46,067	19
241	10	1	4	631	129	37	33	31	3	3	3	20	20
3,528	10	1	4	7,620	1,389	492	280	570	45	45	45	21	21
120	6	2	65	144	39	9	20	8	1	2	8	15	22
557	24	14	356	659	267	36	74	15	4	24	33	45	23
22	4	4	509	649	10	305	3	179	179	179	179	24	24
44	4	4	4,513	3,937	50	812	15	15	15	15	15	25	25
40,413	20,092	32,350	43,712	19,822	38,395	31,532	21,627	31,457	19,666	9,649	25,487	12,193	26
78,740	28,355	57,187	54,422	37,062	90,368	49,788	25,700	58,528	37,107	19,116	38,403	19,492	27
25,870	8,238	18,472	31,020	5,497	22,018	21,689	17,189	18,667	13,787	6,958	16,506	9,592	28
29,104	8,762	23,772	38,303	5,908	27,818	25,628	20,580	21,802	15,219	9,362	22,996	10,448	29
10,102	2,900	0,565	8,750	4,538	11,558	12,639	5,147	8,394	4,370	2,166	6,596	6,074	30
10,787	3,075	8,232	10,766	4,481	14,009	13,629	5,906	9,339	5,317	2,552	9,193	6,467	31
9,718	2,411	0,065	4,633	490	7,580	6,194	3,817	5,393	5,854	3,870	1,481	1,313	32
10,331	2,475	9,442	5,399	18	8,383	7,914	4,169	5,816	6,679	5,822	2,006	1,449	33
2,320	1,206	4,860	11,615	18	1,876	2,021	2,330	3,022	3,493	837	6,420	1,896	34
2,294	1,708	5,389	14,506	60	1,867	2,651	2,689	3,441	3,113	708	8,472	1,935	35
3,416	15	841	1,766	63	1,589	615	5,076	1,182	38	80	849	297	36
5,509	35	700	3,650	74	3,188	1,144	7,655	2,600	73	171	1,982	582	37
320	1,016	85	4,247	397	315	217	219	123	32	5	1,151	12	38
243	1,459	50	3,982	400	371	185	204	206	37	9	1,343	15	39
825	36	103	3,226	229	31	27	27	481	187	315	22	23	40
351	36	94	2,774	310	27	27	27	383	244	409	505	125	41
600	298	1,177	1,307	385	3,073	3,073	3,073	383	383	383	505	125	42
443	310	1,822	1,376	332	625	625	625	59	59	59	549	9	43
122	49	48	284	11	514	514	514	90	90	90	554	5	44
128	42	70	1,055	203	10	10	10	90	90	90	549	9	45
4,730	1,278	2,393	1,875	2,398	2,882	1,867	712	3,272	1,477	668	1,234	1,104	46
25,131	0,034	18,183	4,601	16,855	10,647	11,351	4,748	28,341	14,520	6,308	6,985	7,064	47
17,094	11,097	10,202	10,161	7,011	11,984	5,560	3,378	5,654	4,157	1,083	0,742	1,313	48
23,240	12,238	13,746	9,787	9,808	12,225	6,278	2,952	18,332	7,038	2,931	7,309	1,850	49
21	26	66	86	42	5	22	19	19	22	25	22	22	50
13	53	80	81	38	1	22	72	47	41	116	31	31	51
45	5	13	77	10	4	22	72	47	41	116	31	31	52
201	5	13	940	4	4	4	4	33	2	2	2	2	53
2,040	140	511	968	945	870	197	667	897	298	157	1,192	257	54
109,219	5,432	13,419	42,878	30,235	37,135	8,923	22,092	37,951	11,012	4,696	70,836	9,721	55
906	1,183	1,893	177	867	430	506	19	253	1,482	19	1,022	28	56
250	71	45	4,172	172	100	27	2,746	300	175	175	23	23	57
33	50,073	35,711	3,839,722	172	100	10,308	1,988,379	300	175	175	23,010	168	58
134	284	225	370	71	20	119	14	14	28	13	188	47	59
1,288	2,258	986	1,141	239	89	425	77	61	141	55	409	150	60
13,083	2,258	10,478	16,759	2,413	665	6,376	710	739	1,839	719	7,355	2,025	61
1,080	11	4,625	66	36	38,361	2,480	80	1,921	401	188	1,946	62	62
2,837	1,576	104	0	8,090	617	92	20	621	132	74	528	15	63
104	40	45	16	28	37	124	8	365	16	34	150	29	65
153,494	20,253	27,595	15,103	15,106	30,143	91,121	6,823	454,094	9,418	19,994	204,197	29,673	66
110	2	27	8	18	27	30	7	327	8	20	73	9	67
118,390	2,284	17,755	8,154	11,083	30,287	27,371	5,606	423,711	6,292	12,359	103,504	14,108	68
58	8	3	2	3	7	51	26	26	4	6	14	13	69
24,060	2,762	1,257	637	1,399	6,034	18,947	47	23,927	1,009	2,865	14,729	11,000	70
17	30	14	6	6	3	39	1	11	4	8	69	7	71
0,059	14,817	7,477	0,130	1,509	1,267	40,646	1,020	5,681	1,345	4,380	81,616	3,919	72
30,028	11,348	12,003	23,628	8,335	12,685	22,072	11,210	8,392	8,112	3,341	37,212	3,869	73
04,770	25,995	45,895	52,413	20,933	34,665	63,923	53,418	45,307	41,580	12,619	44,816	17,076	74
10,298	2,205	8,796	19,432	2,385	7,259	41,364	5,991	6,967	10,254	5,467	31,171	4,670	75
14,730	7,186	5,042	11,957	5,454	6,823	8,344	6,160	4,162	3,676	1,786	18,924	1,612	76
44,401	19,885	31,487	36,290	16,601	13,783	47,714	37,578	30,360	29,423	9,165	20,998	11,380	77
7,403	1,833	0,088	12,762	2,636	8,198	32,641	5,107	5,732	8,583	4,371	15,791	4,087	78
8,011	2,084	3,067	5,683	951	4,533	9,399	3,462	2,248	3,324	882	13,361	1,593	79
4,066	1,930	2,825	7,761	1,084	4,372	6,944	7,939	2,805	2,297	895	11,982	2,267	80
161	102	180	2,633	60	437	3,534	268	142	145	106	5,486	151	81
2,425	318	520	891	608	475	1,026	572	611	336	133	1,091	26	82
4,624	1,435	2,617	2,107	941	2,721	3,421	2,065	4,036	2,985	668	4,701	1,697	83
744	32	428	1,186	26	2,173	3,860	40	484	892	202	5,305	24	84
1,393	77	671	506	848	506	711	441	471	223	200	1,479	214	85
2,101	363	2,908	3,113	502	2,967	1,718	2,361	2,334	1,658	468	3,291	898	86
133	26	650	1,746	12	632	414	208	172	171	235	3,048	193	87
3,459	783	1,293	1,426	816	1,001	2,592	571	898	553	340	2,357	424	88
9,586	2,385	0,058	3,143	1,805	5,808	4,126	3,472	5,772	5,217	1,423	3,844	1,834	89
1,797	212	1,440	1,075	151	1,178	855	368	437	493	553	1,541	215	90

COUNTY TABLE IV.—VALUE OF ALL CROPS, AND ACREAGE AND PRODUCTION OF PRINCIPAL CROPS: 1919—Continued.

		Vigo.	Wabash.	Warren.	Warrick.	Washington.	Wayne.	Wells.	White.	Whitley.
VALUE OF ALL CROPS.										
1	Total.....dollars..	4,730,808	6,080,971	5,638,118	4,554,349	3,943,044	7,153,490	6,320,691	8,552,782	4,708,031
2	Cereals.....dollars..	3,616,705	4,650,631	5,183,682	2,454,927	2,649,897	6,021,507	4,928,444	7,510,029	3,305,707
3	Other grains and seeds.....dollars..	8,637	98,713	19,084	20,804	39,728	28,294	92,515	12,837	79,925
4	Hay and forage.....dollars..	750,103	1,109,034	327,064	1,009,522	925,311	800,374	1,180,280	858,101	1,040,967
5	Vegetables.....dollars..	297,840	192,763	89,972	256,668	222,487	236,290	137,230	137,444	305,908
6	Fruits and nuts.....dollars..	152,210	18,977	15,559	87,707	77,536	45,782	20,142	26,488	15,949
7	All other crops.....dollars..	5,313	10,853	2,747	715,721	28,085	21,243	23,080	7,883	19,575
SELECTED CROPS (acres harvested and production).										
Cereals:										
8	Total.....acres..	114,872	117,523	136,203	80,270	88,745	118,837	113,795	194,498	85,535
9	.....bushels..	2,333,207	3,199,485	4,096,928	1,486,460	1,788,763	3,846,342	3,728,940	5,807,740	2,441,099
10	Corn.....acres..	55,161	52,550	66,216	37,073	44,608	64,583	54,710	88,741	32,014
11	.....bushels..	1,421,870	1,834,964	2,291,732	800,598	1,149,075	2,749,941	2,143,807	3,406,162	1,210,680
12	Oats.....acres..	18,236	22,308	47,743	6,502	15,146	8,564	30,402	40,294	22,236
13	.....bushels..	372,406	691,871	1,404,013	105,368	284,865	247,870	1,120,516	1,825,185	745,474
14	Wheat.....acres..	39,506	40,492	16,477	35,640	26,832	45,109	22,934	22,857	24,747
15	.....bushels..	520,476	640,675	266,732	510,619	334,049	840,628	354,107	368,450	353,210
16	Barley.....acres..	50	1,225	419	55	93	164	4,370	892	4,747
17	.....bushels..	550	17,991	6,928	1,082	1,355	2,207	84,681	7,475	102,238
18	Rye.....acres..	1,861	889	5,240	965	2,006	417	1,311	17,916	1,618
19	.....bushels..	10,799	11,681	65,143	8,487	18,489	5,690	17,904	196,803	25,031
20	Buckwheat.....acres..	15	18	108	.....	.....	.....	1	288	10
21	.....bushels..	150	144	1,780	.....	.....	.....	4	3,074	136
Other grains and seeds:										
22	Dry edible beans.....acres..	7	1	1	47	40	13	69	91	4
23	.....bushels..	16	7	7	222	146	100	398	437	68
24	Dry peas.....acres..	18	45	.....	282	14	5	4	26	.....
25	.....bushels..	75	358	.....	1,316	58	25	20	71	.....
Hay and forage:										
26	Total.....acres..	28,286	47,308	12,268	42,333	41,151	32,084	48,028	28,431	46,055
27	.....tons..	43,236	71,370	20,656	59,354	58,606	55,731	69,903	68,113	67,329
28	All tame or cultivated grasses.....acres..	20,407	28,989	9,499	20,514	22,792	18,478	28,921	14,853	24,207
29	.....tons..	22,255	31,254	9,478	33,576	26,617	19,151	32,746	16,345	28,884
30	Timothy alone.....acres..	11,634	8,406	4,559	6,572	7,529	5,501	13,971	10,422	8,764
31	.....tons..	12,009	9,614	4,672	8,477	7,911	5,787	16,558	11,573	10,725
32	Timothy and clover mixed.....acres..	4,871	14,796	2,246	4,486	10,239	8,250	11,780	3,426	13,163
33	.....tons..	5,527	16,107	2,245	5,313	12,956	8,132	12,592	3,725	16,627
34	Clover alone.....acres..	3,291	5,333	2,549	7,884	3,480	3,909	2,949	835	1,915
35	.....tons..	3,704	4,695	2,313	11,161	4,400	3,701	3,186	700	1,824
36	Alfalfa.....acres..	395	425	119	623	156	706	216	57	267
37	.....tons..	689	815	221	1,263	318	1,410	402	106	493
38	Other tame or cultivated grasses.....acres..	216	29	26	7,369	1,388	112	5	113	108
39	.....tons..	266	23	27	7,362	1,032	121	8	145	155
40	Wild, salt, or prairie grasses.....acres..	27	18	.....	225	25	.....	.....	256	8
41	.....tons..	56	11	.....	233	17	.....	.....	213	16
42	Small grains cut for hay.....acres..	1,238	110	28	607	282	1,182	36	379	82
43	.....tons..	2,119	100	23	507	456	1,200	34	455	84
44	Annual legumes cut for hay.....acres..	42	37	.....	881	269	85	20	47	16
45	.....tons..	39	39	.....	888	209	96	17	47	23
46	Silage crops.....acres..	1,068	8,763	1,227	1,980	3,354	2,531	2,048	4,327	2,600
47	.....tons..	13,655	25,875	9,184	11,932	17,973	23,231	12,955	34,057	19,385
48	Corn cut for forage.....acres..	4,829	14,366	1,505	11,991	14,382	9,746	10,969	8,562	10,111
49	.....tons..	5,085	14,019	1,944	12,072	13,176	11,834	24,040	16,964	18,876
50	Kafir, sorghum, etc., for forage.....acres..	45	18	9	135	47	50	11	7	20
51	.....tons..	40	9	27	145	98	202	11	32	20
52	Root crops for forage.....acres..	.....	7	.....	.....	.....	3	23	.....	11
53	.....tons..	3	63	.....	1	.....	17	100	.....	91
Vegetables:										
54	Potatoes (Irish or white).....acres..	449	787	293	782	540	818	508	486	665
55	.....bushels..	15,986	24,766	16,421	31,454	19,831	29,778	11,633	12,580	26,688
56	Other vegetables.....acres..	1,581	739	45	739	582	195	115	519	578
Miscellaneous crops:										
57	Tobacco.....acres..	2	.....	.....	3,120	27	26	.....	.....	.....
58	.....pounds..	1,851	40	50	2,731,362	19,090	14,100	350	218	.....
59	Sorghum grown for sirup.....acres..	68	38	22	386	341	57	26	139	31
60	.....tons..	282	106	88	1,560	1,109	279	113	449	100
61	Sirup made.....gallons..	2,965	935	1,399	21,567	14,998	3,122	1,203	5,229	1,096
62	Maple trees tapped.....number..	373	12,288	643	.....	1,504	14,854	3,415	220	22,897
63	Maple sugar made.....pounds..	.....	2	15	.....	15	.....	347	.....	1,245
64	Maple sirup made.....gallons..	86	3,449	251	.....	488	4,939	1,221	50	6,390
FRUITS.										
Small fruits:										
65	Total.....acres..	245	24	21	26	310	64	15	41	24
66	.....quarts..	243,247	20,013	23,404	14,430	265,156	60,132	16,000	27,983	12,467
67	Strawberries.....acres..	105	17	9	8	81	36	10	16	18
68	.....quarts..	146,876	17,002	16,518	6,104	119,307	43,387	13,767	17,007	9,843
69	Raspberries.....acres..	78	4	8	2	102	19	2	7	3
70	.....quarts..	54,330	1,685	4,320	888	82,974	10,548	700	2,930	1,177
71	Blackberries and dewberries.....acres..	46	3	4	14	125	7	3	17	2
72	.....quarts..	30,050	775	2,052	5,343	61,303	4,386	801	7,176	455
Orchard fruits:										
73	Total.....trees not of bearing age..	19,713	7,898	3,774	38,447	49,699	14,559	8,076	6,311	9,359
74	.....trees of bearing age..	48,641	52,971	23,579	59,318	115,431	60,947	59,755	34,312	53,511
75	.....bushels harvested..	39,279	4,817	3,561	30,561	8,804	11,317	5,441	6,507	3,705
76	Apples.....trees not of bearing age..	8,657	4,085	1,487	20,146	22,882	7,283	5,403	3,243	5,396
77	.....trees of bearing age..	30,516	35,611	14,414	30,889	65,853	44,542	42,066	27,156	34,291
78	.....bushels harvested..	32,898	4,178	2,777	18,204	7,403	7,469	4,652	5,964	2,870
79	Peaches.....trees not of bearing age..	4,773	2,700	1,068	14,292	18,760	3,476	781	1,609	2,007
80	.....trees of bearing age..	6,776	5,079	2,967	17,388	33,008	2,269	2,385	1,527	4,820
81	.....bushels harvested..	1,283	112	161	7,096	616	155	67	46	41
82	Pears.....trees not of bearing age..	1,043	234	522	1,048	4,329	800	429	504	364
83	.....trees of bearing age..	2,841	3,200	1,354	3,631	5,567	4,584	5,069	1,401	3,218
84	.....bushels harvested..	2,460	118	182	2,134	94	1,506	400	161	431
85	Plums and prunes.....trees not of bearing age..	787	287	208	803	789	762	447	306	498
86	.....trees of bearing age..	2,605	2,382	1,655	2,934	3,720	2,518	2,337	1,114	3,477
87	.....bushels harvested..	1,089	110	134	1,623	314	426	143	80	114
88	Cherries.....trees not of bearing age..	4,483	622	489	2,153	2,930	2,229	1,016	649	1,094
89	.....trees of bearing age..	5,903	6,699	3,189	4,476	7,193	7,034	7,898	3,114	7,705
90	.....bushels harvested..	1,549	299	263	1,444	377	1,761	279	256	249
91	Grapes.....vines not of bearing age..	2,145	371	269	1,508	2,591	938	549	494	671
92	.....vines of bearing age..	10,885	3,905	2,856	11,768	4,082	4,938	5,781	4,276	4,485
93	.....pounds harvested..	91,923	43,180	28,671	62,907	18,656	70,435	52,485	72,781	68,203

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919.

	THE STATE.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.	Brown.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	73,233	719	1,427	327	207	342	967	732
Number with mortgage debt.....	51,474	708	1,180	453	208	324	772	333
Number with no mortgage report.....	12,503	103	242	100	63	51	78	104
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	40,416	601	886	326	140	221	593	307
Value of land and buildings.....dollars..	439,152,507	9,143,890	12,580,010	3,080,605	6,364,148	2,732,302	9,500,997	877,975
Amount of mortgage debt.....dollars..	105,256,239	1,959,200	3,077,771	700,477	1,331,778	707,377	2,074,405	193,019
Ratio of debt to value.....per cent..	24.0	21.4	24.5	22.7	20.9	25.9	21.8	22.0
Average rate of interest paid.....per cent..	5.8	5.8	5.8	5.9	5.5	5.9	5.8	6.2
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	93,207	1,072	1,847	1,061	1,058	533	1,318	246
Total expenditure.....dollars..	32,867,304	287,255	649,958	566,446	913,731	145,035	378,134	29,977
Amount in cash.....dollars..	25,608,743	210,508	478,232	468,736	653,841	116,831	304,017	27,239
Value of rent and board furnished.....dollars..	7,258,561	76,748	171,726	97,710	259,890	28,204	74,117	2,738
Fertilizer:								
Farms reporting.....number..	98,703	693	1,812	1,405	203	210	1,005	920
Amount expended.....dollars..	8,734,698	41,676	139,439	152,365	35,766	13,136	80,418	40,638
Feed:								
Farms reporting.....number..	130,075	1,351	2,148	1,160	699	589	2,116	829
Amount expended.....dollars..	42,306,030	273,093	427,728	401,535	185,476	212,601	859,686	96,642
	Carroll.	Cass.	Clark.	Clay.	Clinton.	Crawford.	Daviess.	Dearborn.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	850	785	1,019	1,192	750	809	800	1,045
Number with mortgage debt.....	316	685	444	542	544	463	810	637
Number with no mortgage report.....	63	48	162	45	47	276	109	39
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	316	468	404	396	403	345	585	482
Value of land and buildings.....dollars..	5,842,309	8,965,076	2,078,732	2,160,523	13,811,144	1,427,170	3,873,142	2,957,975
Amount of mortgage debt.....dollars..	1,213,711	1,647,582	609,645	499,793	1,791,211	187,247	926,973	786,803
Ratio of debt to value.....per cent..	20.8	23.7	29.3	23.1	13.0	13.1	23.9	26.6
Average rate of interest paid.....per cent..	5.8	5.7	5.9	6.2	5.7	6.3	5.9	5.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	1,170	1,357	945	958	1,386	613	1,092	1,048
Total expenditure.....dollars..	402,074	410,181	325,026	219,284	506,064	63,910	297,871	195,890
Amount in cash.....dollars..	344,320	312,832	295,364	168,185	406,978	52,918	231,084	144,176
Value of rent and board furnished.....dollars..	147,754	97,349	29,662	51,099	99,980	10,992	65,887	51,714
Fertilizer:								
Farms reporting.....number..	787	902	1,537	1,100	1,182	1,416	919	1,052
Amount expended.....dollars..	71,899	70,633	154,098	81,044	121,688	73,001	58,432	72,060
Feed:								
Farms reporting.....number..	1,444	1,631	1,581	1,646	1,565	1,229	1,808	1,383
Amount expended.....dollars..	863,274	535,976	457,433	292,992	934,058	148,161	349,172	208,599
	Decatur.	De Kalb.	Delaware.	Dubois.	Elkhart.	Fayette.	Floyd.	Fountain.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
Number free from mortgage debt.....	861	771	657	1,050	1,057	359	679	638
Number with mortgage debt.....	446	666	692	589	900	223	311	425
Number with no mortgage report.....	43	176	457	325	285	38	88	64
For farms consisting of owned land only:								
Number of farms reporting amount of debt.....	379	505	525	526	752	178	281	301
Value of land and buildings.....dollars..	4,440,052	5,235,780	6,822,360	2,804,480	8,078,185	1,968,615	1,092,070	5,290,760
Amount of mortgage debt.....dollars..	1,028,433	1,466,475	1,671,695	807,548	2,280,854	540,788	297,007	999,589
Ratio of debt to value.....per cent..	23.2	28.0	24.5	28.8	28.2	27.5	27.2	18.9
Average rate of interest paid.....per cent..	5.9	5.9	5.8	5.6	5.8	5.9	5.9	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
Farms reporting.....number..	1,073	1,280	1,192	1,091	1,153	705	599	1,032
Total expenditure.....dollars..	509,721	270,919	351,838	317,570	259,813	307,424	149,826	428,287
Amount in cash.....dollars..	410,857	190,168	281,176	262,911	208,255	237,990	118,315	351,909
Value of rent and board furnished.....dollars..	98,864	80,751	70,662	54,659	51,558	69,434	31,511	76,378
Fertilizer:								
Farms reporting.....number..	1,597	1,839	884	1,902	1,464	875	960	388
Amount expended.....dollars..	218,472	154,981	67,359	180,883	90,994	112,676	79,264	42,870
Feed:								
Farms reporting.....number..	1,315	1,497	1,682	1,305	1,034	864	1,035	1,192
Amount expended.....dollars..	643,374	292,008	696,925	168,998	415,871	550,033	217,472	494,065

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919—Continued.

	Franklin.	Fulton.	Gibson.	Grant.	Greene.	Hamilton.	Hancock.	Harrison.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	959	594	889	957	1,559	875	693	1,547
2 Number with mortgage debt.....	456	650	505	737	848	794	470	771
3 Number with no mortgage report.....	20	292	65	109	351	110	53	205
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	388	450	341	486	688	609	331	644
5 Value of land and buildings.....dollars..	2,559,962	4,840,031	2,978,565	6,477,566	3,650,002	9,286,420	4,474,958	2,110,890
6 Amount of mortgage debt.....dollars..	705,998	1,095,508	690,516	1,531,736	903,397	1,795,017	960,133	607,369
7 Ratio of debt to value.....per cent..	27.6	22.6	23.2	23.6	24.7	19.3	21.5	28.8
8 Average rate of interest paid.....per cent..	5.9	5.8	6.0	5.9	5.9	5.8	5.9	6.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	995	792	1,408	1,516	993	1,450	1,237	1,287
10 Total expenditure.....dollars..	344,549	205,099	497,292	442,265	281,615	436,641	329,249	208,181
11 Amount in cash.....dollars..	246,080	154,692	409,036	350,379	241,879	357,778	259,823	167,815
12 Value of rent and board furnished.....dollars..	98,469	50,407	95,256	91,886	39,736	78,863	69,026	40,366
Fertilizer:								
13 Farms reporting.....number..	1,440	531	912	1,129	1,366	1,450	1,289	2,280
14 Amount expended.....dollars..	147,283	46,362	78,867	93,224	80,507	104,621	112,556	193,797
Feed:								
15 Farms reporting.....number..	1,432	1,366	1,856	2,004	2,142	1,956	1,856	2,376
16 Amount expended.....dollars..	455,198	317,102	464,260	933,416	352,617	839,641	447,961	380,196

	Hendricks.	Henry.	Howard.	Huntington.	Jackson.	Jasper.	Jay.	Jefferson.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	919	767	602	872	1,274	239	669	1,132
2 Number with mortgage debt.....	632	700	615	732	590	437	742	579
3 Number with no mortgage report.....	54	68	103	47	61	135	208	137
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	572	565	434	620	451	327	541	537
5 Value of land and buildings.....dollars..	8,031,481	7,836,365	7,671,488	7,694,784	3,074,965	5,227,502	6,395,908	2,468,085
6 Amount of mortgage debt.....dollars..	1,893,952	1,908,921	1,526,261	1,949,524	696,681	1,349,011	1,633,028	611,271
7 Ratio of debt to value.....per cent..	23.6	25.1	20.2	25.3	22.7	25.8	25.5	24.8
8 Average rate of interest paid.....per cent..	5.8	5.8	5.8	5.8	5.8	5.6	5.8	6.1
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	1,162	1,301	1,127	1,215	928	862	980	564
10 Total expenditure.....dollars..	441,405	419,296	414,597	310,151	268,761	517,223	255,594	109,858
11 Amount in cash.....dollars..	365,286	338,091	315,397	220,253	213,370	373,718	215,773	95,101
12 Value of rent and board furnished.....dollars..	76,119	81,205	99,200	89,898	55,391	143,505	39,821	14,757
Fertilizer:								
13 Farms reporting.....number..	1,458	1,471	560	1,155	1,400	807	990	1,521
14 Amount expended.....dollars..	141,469	158,005	44,300	52,071	102,054	178,846	124,707	138,844
Feed:								
15 Farms reporting.....number..	1,710	1,696	1,445	1,611	1,391	899	1,270	1,292
16 Amount expended.....dollars..	1,095,127	1,040,158	839,412	418,293	259,671	406,261	300,520	213,763

	Jennings.	Johnson.	Knox.	Kosciusko.	Lagrange.	Lake.	La Porte.	Lawrence.
MORTGAGE DEBT REPORTS: 1920.								
For all farms operated by owners:								
1 Number free from mortgage debt.....	913	688	690	1,040	648	384	775	909
2 Number with mortgage debt.....	569	511	623	966	564	359	587	542
3 Number with no mortgage report.....	52	60	91	268	219	170	206	397
For farms consisting of owned land only:								
4 Number of farms reporting amount of debt.....	432	349	434	782	435	274	466	492
5 Value of land and buildings.....dollars..	2,260,445	4,306,623	6,033,643	8,486,031	5,215,175	4,445,965	5,374,870	2,465,817
6 Amount of mortgage debt.....dollars..	617,201	959,626	1,856,170	2,108,759	1,345,175	1,422,773	1,569,313	595,856
7 Ratio of debt to value.....per cent..	27.3	22.3	30.8	24.8	25.8	32.0	29.0	24.1
8 Average rate of interest paid.....per cent..	5.9	6.0	6.1	5.9	5.9	5.6	5.8	6.0
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.								
Labor:								
9 Farms reporting.....number..	528	1,183	1,623	1,353	1,063	1,117	1,066	595
10 Total expenditure.....dollars..	116,514	542,929	914,233	372,815	257,050	608,866	554,817	171,207
11 Amount in cash.....dollars..	88,029	438,851	737,047	313,134	204,841	418,980	397,418	152,570
12 Value of rent and board furnished.....dollars..	28,485	104,078	177,186	59,681	52,209	189,886	157,399	18,637
Fertilizer:								
13 Farms reporting.....number..	1,335	1,501	561	1,229	641	776	862	1,375
14 Amount expended.....dollars..	110,737	172,897	68,739	100,466	48,176	98,366	97,017	107,971
Feed:								
15 Farms reporting.....number..	1,268	1,499	1,666	2,002	1,288	1,157	1,301	1,138
16 Amount expended.....dollars..	199,216	784,795	629,791	628,109	415,299	408,243	318,560	180,450

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919—Continued.

	Madison.	Marion.	Marshall.	Martin.	Miami.	Monroe.	Montgomery.	Morgan.	Newton.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	801	948	632	812	737	949	832	983	115
Number with mortgage debt.....	718	544	814	479	566	654	660	678	171
Number with no mortgage report.....	322	189	420	74	78	118	69	126	138
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	546	403	639	408	422	563	488	548	133
Value of land and buildings.....dollars..	7,520,951	4,735,756	8,548,723	1,733,990	5,680,375	2,739,295	8,501,280	4,437,946	4,027,800
Amount of mortgage debt.....dollars..	1,756,483	1,197,030	2,019,242	436,173	1,356,051	668,126	2,072,081	1,096,241	769,974
Ratio of debt to value.....per cent..	23.4	25.3	23.6	25.2	23.8	24.4	24.4	24.7	19.1
Average rate of interest paid.....per cent..	5.9	5.9	6.0	6.2	5.8	5.9	5.8	5.9	5.6
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,574	1,584	1,086	460	1,084	652	1,475	1,017	617
Total expenditure.....dollars..	459,778	786,722	313,556	111,647	343,739	122,426	620,584	340,367	423,208
Amount in cash.....dollars..	385,680	618,330	240,697	93,500	280,259	97,348	404,511	284,036	343,351
Value of rent and board furnished.....dollars..	74,189	168,392	72,859	18,147	63,480	25,078	126,073	56,321	79,857
Fertilizer:									
Farms reporting.....number..	1,436	1,444	1,267	1,036	1,115	1,381	690	1,278	337
Amount expended.....dollars..	127,692	131,962	110,197	43,154	90,477	83,810	70,712	95,089	58,895
Feed:									
Farms reporting.....number..	2,091	1,817	1,770	1,098	1,428	1,260	1,743	1,478	473
Amount expended.....dollars..	930,523	701,598	480,181	145,785	592,902	346,444	1,155,397	429,704	214,131
	Noble.	Ohio.	Orange.	Owen.	Parke.	Perry.	Pike.	Porter.	Posey.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	805	252	1,189	906	888	803	1,051	509	673
Number with mortgage debt.....	667	119	497	499	503	420	553	484	406
Number with no mortgage report.....	155	84	157	106	115	361	143	217	64
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	501	110	450	415	390	378	377	370	232
Value of land and buildings.....dollars..	5,654,300	591,155	2,201,022	2,122,051	4,217,955	1,225,303	1,717,260	5,888,821	2,429,933
Amount of mortgage debt.....dollars..	1,439,254	147,740	612,862	514,101	976,528	333,503	453,577	1,598,841	630,234
Ratio of debt to value.....per cent..	25.5	25.0	27.8	24.2	23.1	27.2	26.4	27.2	25.9
Average rate of interest paid.....per cent..	5.9	6.0	6.1	6.2	5.8	5.7	6.0	5.8	5.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	1,318	182	662	547	1,125	589	648	993	1,402
Total expenditure.....dollars..	391,029	36,046	127,122	101,007	357,823	90,736	180,987	394,888	669,840
Amount in cash.....dollars..	290,573	31,576	108,041	86,376	279,699	76,421	130,983	279,830	526,554
Value of rent and board furnished.....dollars..	100,456	4,470	19,081	14,631	78,124	15,315	30,004	115,038	143,286
Fertilizer:									
Farms reporting.....number..	1,308	127	1,721	1,179	744	1,262	775	961	509
Amount expended.....dollars..	95,647	6,020	107,152	75,024	68,187	97,543	39,813	125,695	100,122
Feed:									
Farms reporting.....number..	1,640	274	1,456	1,303	1,551	854	1,214	1,040	1,510
Amount expended.....dollars..	442,223	45,600	229,556	201,136	592,939	95,139	255,690	312,428	358,357
	Pulaski.	Putnam.	Randolph.	Ripley.	Rush.	St. Joseph.	Scott.	Shelby.	Spencer.
MORTGAGE DEBT REPORTS: 1920.									
For all farms operated by owners:									
Number free from mortgage debt.....	447	1,071	679	1,462	755	942	361	898	1,045
Number with mortgage debt.....	487	778	822	805	374	717	418	625	394
Number with no mortgage report.....	44	76	375	89	35	200	109	44	46
For farms consisting of owned land only:									
Number of farms reporting amount of debt.....	306	698	643	712	286	577	366	400	319
Value of land and buildings.....dollars..	4,956,840	6,079,622	8,134,217	3,694,221	5,892,843	5,718,725	1,976,030	5,551,927	2,031,990
Amount of mortgage debt.....dollars..	1,322,695	1,608,893	2,073,764	890,654	1,250,572	1,639,447	521,394	1,256,295	587,858
Ratio of debt to value.....per cent..	26.7	26.5	25.5	24.1	21.2	28.7	26.4	22.6	28.9
Average rate of interest paid.....per cent..	5.7	6.0	5.8	5.9	5.7	6.1	5.9	5.9	5.9
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
Labor:									
Farms reporting.....number..	715	1,139	1,244	1,034	1,370	1,037	325	1,458	1,143
Total expenditure.....dollars..	253,002	327,009	266,138	208,965	787,980	508,789	59,454	529,929	306,123
Amount in cash.....dollars..	182,566	280,481	209,776	161,258	545,937	399,785	52,186	414,561	238,038
Value of rent and board furnished.....dollars..	70,436	46,528	56,362	47,707	242,043	109,004	7,268	115,368	68,085
Fertilizer:									
Farms reporting.....number..	860	1,320	2,021	2,433	1,707	893	820	1,648	1,197
Amount expended.....dollars..	108,725	109,629	97,310	225,754	238,438	91,879	79,011	160,361	83,772
Feed:									
Farms reporting.....number..	1,080	1,770	2,156	1,986	1,453	1,416	765	1,428	1,479
Amount expended.....dollars..	291,785	892,232	815,600	338,851	1,287,302	372,947	142,602	453,508	191,559

COUNTY TABLE V.—MORTGAGE DEBT, 1920; AND EXPENDITURES FOR LABOR, FERTILIZER, AND FEED, 1919—Continued.

	Starke.	Steuben.	Sullivan.	Switzer-land.	Tippe- canoe.	Tipton.	Union.	Vander- burg.	Vermilion.
MORTGAGE DEBT REPORTS: 1920.									
1 For all farms operated by owners:									
2 Number free from mortgage debt.....	355	502	1,262	893	587	529	309	818	363
3 Number with mortgage debt.....	478	503	773	302	442	463	126	340	216
4 Number with no mortgage report.....	77	147	138	41	303	107	16	32	45
5 For farms consisting of owned land only:									
6 Number of farms reporting amount of debt.....	352	415	566	326	310	352	99	261	161
7 Value of land and buildings.....dollars..	3,185,485	3,874,720	4,224,094	1,425,580	4,727,217	6,909,365	1,494,225	2,154,175	2,069,885
8 Amount of mortgage debt.....dollars..	818,463	978,882	1,087,573	339,809	1,188,021	1,218,037	386,925	553,717	476,737
9 Ratio of debt to value.....per cent..	25.7	25.3	25.7	23.8	25.1	17.6	25.9	25.7	23.0
10 Average rate of interest paid.....per cent..	5.8	5.8	5.9	6.0	6.0	5.7	5.8	5.8	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11 Labor:									
12 Farms reporting.....number..	499	823	1,213	292	1,617	818	479	972	580
13 Total expenditure.....dollars..	217,422	240,227	370,991	43,804	849,918	334,070	220,020	458,993	247,066
14 Amount in cash.....dollars..	178,563	195,449	305,276	38,224	642,482	239,261	169,109	338,450	197,033
15 Value of rent and board furnished.....dollars..	38,859	50,778	65,715	5,580	207,436	94,819	51,511	125,563	50,633
16 Fertilizer:									
17 Farms reporting.....number..	413	780	349	488	514	307	671	743	209
18 Amount expended.....dollars..	37,327	52,873	29,845	29,806	50,743	25,142	103,740	61,074	10,417
19 Feed:									
20 Farms reporting.....number..	843	1,177	1,878	677	1,546	1,162	621	1,448	716
21 Amount expended.....dollars..	163,869	374,215	405,067	84,638	582,315	688,027	383,889	459,769	251,418
	Vigo.	Wabash.	Warren.	Warrick.	Washing- ton.	Wayne.	Wells.	White.	Whitley.
MORTGAGE DEBT REPORTS: 1920.									
1 For all farms operated by owners:									
2 Number free from mortgage debt.....	1,099	798	369	964	1,051	894	725	366	607
3 Number with mortgage debt.....	943	948	219	726	736	611	696	449	613
4 Number with no mortgage report.....	101	51	83	75	235	50	194	139	189
5 For farms consisting of owned land only:									
6 Number of farms reporting amount of debt.....	456	528	142	579	644	505	578	331	513
7 Value of land and buildings.....dollars..	3,092,600	7,091,763	3,191,633	3,157,285	4,039,550	6,236,050	7,971,738	8,480,705	5,445,315
8 Amount of mortgage debt.....dollars..	834,549	1,779,065	604,976	818,095	913,110	1,695,938	1,880,515	1,894,547	1,410,000
9 Ratio of debt to value.....per cent..	27.0	25.1	19.0	25.9	22.6	27.2	23.6	22.0	25.9
10 Average rate of interest paid.....per cent..	6.1	5.7	5.8	5.9	6.1	5.8	5.9	5.6	5.8
FARM EXPENDITURES FOR LABOR, FERTILIZER, AND FEED: 1919.									
11 Labor:									
12 Farms reporting.....number..	1,050	1,083	897	953	1,132	1,244	888	1,225	788
13 Total expenditure.....dollars..	454,488	395,650	748,778	297,456	252,742	518,484	189,639	600,028	224,122
14 Amount in cash.....dollars..	382,736	307,133	561,478	197,480	194,121	302,487	156,325	465,676	175,345
15 Value of rent and board furnished.....dollars..	71,752	88,517	187,300	99,976	58,621	125,997	33,314	134,352	48,777
16 Fertilizer:									
17 Farms reporting.....number..	316	1,476	155	1,504	2,071	1,746	611	771	960
18 Amount expended.....dollars..	33,992	120,430	23,417	88,407	190,831	209,657	28,044	97,700	57,638
19 Feed:									
20 Farms reporting.....number..	1,508	1,757	778	1,695	1,961	1,809	1,245	1,387	1,210
21 Amount expended.....dollars..	322,514	681,593	268,245	306,839	382,038	1,179,860	393,089	587,601	317,799

DRAINAGE—INDIANA.

INTRODUCTION.

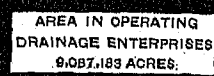
The following pages present the statistics of drainage for Indiana collected at the census of 1920. The figures relate to conditions on January 1, 1920, except where indicated otherwise. No census of drainage has been taken heretofore, so there are no comparable figures for previous years. The data relate to the artificial drainage of land in farms, and of other land that ultimately will be used for agricultural purposes. The organized drainage enterprises may include areas of unimproved land not yet in farms. The statistics

for drainage on farms were collected in the general census of agriculture, while the statistics for drainage enterprises were obtained in a special canvass of those enterprises. Since drainage on farms may be either inside or outside an organized enterprise, and the drains that each individual owner installs upon his own farm may be either supplemental to or entirely independent of the works installed by an enterprise, the figures for the two parts of the drainage census are presented separately.

TABLE 1.—SUMMARY FOR THE STATE: 1920.

ITEM.	Amount.	Per cent of total.
DRAINAGE ON FARMS.		
Number of all farms in the state.....	205, 126	100. 0
Farms reporting land having drainage.....	111, 435	54. 3
Farms reporting land needing drainage.....	66, 413	32. 4
All land in farms..... acres..	21, 063, 332	100. 0
Improved land in farms..... acres..	16, 680, 212	79. 2
Farm land reported as provided with drainage..... acres..	8, 308, 844	39. 4
Farm land reported as needing drainage..... acres..	1, 717, 068	8. 2
Needing drainage only..... acres..	673, 952	3. 2
Needing drainage and clearing..... acres..	1, 043, 116	5. 0
DRAINAGE ENTERPRISES.		
Approximate land area of the state..... acres..	23, 068, 800	100. 0
All land in operating drainage enterprises..... acres..	9, 087, 183	39. 4
Improved land..... acres..	7, 605, 565	33. 0
Per cent of all improved land in farms.....	45. 6	
Timber and cut-over land..... acres..	942, 378	4. 1
Other unimproved land..... acres..	539, 240	2. 3
Swampy, subject to overflow, seeped, or alkali..... acres..	386, 320	1. 7
Suffering a loss of crops from defective drainage..... acres..	210, 678	0. 9
Improved land prior to drainage..... acres..	5, 396, 387	23. 4
Increase since drainage began..... acres..	2, 209, 178	9. 6
Land in nonoperating enterprises..... acres..	288, 724	1. 3
Open ditches in operating enterprises..... miles..	17, 594. 1	100. 0
Completed..... miles..	17, 470. 7	99. 3
Additional under construction..... miles..	123. 4	0. 7
Tile drains in operating enterprises..... miles..	8, 413. 3	100. 0
Completed..... miles..	8, 227. 6	97. 8
Additional under construction..... miles..	185. 7	2. 2
Total capital invested in and required for completion of operating enterprises..	\$31, 943, 858	100. 0
Capital invested in these enterprises to Dec. 31, 1919.....	31, 147, 682	97. 5
Additional capital required to complete these enterprises.....	796, 176	2. 5
Average cost per acre when completed.....	3. 52	

APPROXIMATE LOCATION AND AREA OF OPERATING DRAINAGE ENTERPRISES.



DRAINAGE ON FARMS.

Explanation of terms.—To secure uniformity in the returns relating to drainage on farms, the Bureau of the Census supplied its enumerators with certain definitions, which are substantially as follows:

Drainage of agricultural land was defined, for census purposes, as the act or process of drawing off an excess of water by underground conduits, pipes, or tiles, or by open or covered trenches in the surface of the ground, for the purpose of improving the condition of the soil and crops.

The area provided with drainage, in farms, is the acreage actually benefited or made of more value for agricultural purposes by artificial drainage, but does not include land on which only temporary work has been done, such as "bedding" the fields or laying out "dead furrows" to hasten the surface flow.

The area needing drainage, in farms, comprises the additional land not now suitable for crops which could be made available for cultivation (1) "by drainage only," which is the acreage needing no clearing or which is covered with grass, weeds, or other annual growth, and (2) "by drainage and clearing," which is the acreage covered with trees, stumps, or perennial woody shrubs.

Improved land in farms includes all land regularly tilled or mowed, land in pasture which has been cleared or tilled, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings.

Woodland in farms includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products.

Farms in drainage and levee districts are those for which the operators have answered affirmatively the question, "Has any part of this farm been afforded drainage or protection against overflow by a drainage or levee district, or by the state, the county, or a private company or individual." Levee districts, however, generally are not included in the enterprises for which data are given in this report (see definition of drainage enterprises, below).

Farms and farm land.—The acreage shown for drainage on farms represents land where drainage is actually in operation and which has actually become more fully available for growing crops by reason of the drainage. This is to be distinguished from the area merely provided with outlet facilities by organized drainage enterprises. Drainage on farms represents in most cases the result of work done by the farm owner, either independently or supplemental to the work done by a drainage enterprise, but the acreage would include also any farm land receiving similar benefits directly from the works of an enterprise.

DRAINAGE ENTERPRISES.

Explanation of terms.—The more important terms used in connection with the census of drainage enterprises were defined as follows:

Drainage enterprises comprise public corporations and local improvement districts formed under state laws, commercial enterprises draining swamp or overflowed land for sale, other organizations that may be engaged in extensive land-drainage work, and also tracts of 500 acres or more drained by individual owners. Enterprises such as levee districts that have not authorized the construction of open ditches or tile drains are not included.

Enterprises located in more than one county were divided, for tabulation, and the part in each county treated as a separate enterprise, though the capacities of drainage pumping plants are given only in the counties in which the plants are located.

Operating enterprises, as designated in this bulletin, are those that had completed the drainage works authorized, or had at any rate begun actual construction work, on or before January 1, 1920; enterprises that had been established but had not begun construction are termed "nonoperating."

Land in drainage enterprises comprises the area that has been benefited or is to be benefited by the improvement works constructed by the enterprises. In the case of overlapping enterprises, deduction has been made for the amount of duplication.

All land in drainage enterprises is divided, without regard to drainage condition, into (a) improved land; (b) timber and cut-over land, which would require clearing to be thoroughly fit for cultivation; and (c) all other unimproved land, which would not require expensive clearing before cultivation.

The assessed acreage for any single enterprise is the same as the area in that enterprise. However, the total assessed acreage may be considerably greater than the total land in enterprises, for in summing up the assessed acreage in the county or state, deduction was not made for acreage assessed in more than one enterprise.

Improved land in drainage enterprises consists very largely of improved farm land, though it may include some other improved land receiving benefit from the works of the enterprises.

Timber and cut-over land includes farm woodland of natural or planted forest trees as well as other timber land or areas that would need clearing of trees, stumps, or perennial woody shrubs.

Land designated as swampy or subject to overflow includes all land permanently or generally too wet for cultivation, land subject to periodical inundation by stream floods, seeped and alkali land in irrigated regions, and all other land unfit for cultivation by reason of insufficient drainage. This classification is without respect to the conditions as to improvement or timber.

The area suffering loss of crops is intended to include only land devoted to planted crops which suffer damage, either partial or complete, because of defective drainage. Land which would be cultivated if drained or protected against overflow is not included.

Capital invested, for the purpose of this investigation, was defined as cost, including charges for engineering, organization, rights of way, construction of drainage works, damages, land and buildings except those held for sale or farming, and any other expenditures properly chargeable to drainage and paid by the enterprise.

The drainage works of an enterprise include all varieties of underground conduits, pipes, or lines of tile, or drains of stone, wood, or other material; also open ditches and canals, together with accessory levees, dikes, dams, weirs, pumping machinery, gates, and other devices for the draining away or control of surface and soil waters.

Tile, as the term is here used, includes pipes of earthenware, concrete, or other material buried beneath the surface in such a way as to permit the excess water to flow away. The size, if circular, is expressed by the inside diameter in inches.

Ditches include all open artificial trenches, usually with sloping sides. The width is that of the bottom.

The type of drainage shows whether the drainage water from an enterprise is discharged by gravity or by pumping.

A pumping district is one where all or a part of the water from the drains collecting at a low point must be raised by some form of machinery in order that it may be removed from the area.

Drainage pumps include all kinds of machinery and devices for lifting the drainage water.

Pumping engines include all kinds of engines and motors for operating the drainage pumps.

Operating and nonoperating enterprises.—In most of the tables that follow, statistics are given for operating enterprises only. These enterprises, as already defined, include both those which have completed their drainage works and those with such works under construction; among the latter might be any that had completed the original plan of reclamation some years ago but were constructing extensions or enlargements on January 1, 1920. The nonoperating enterprises have a legal existence, though they have not yet accomplished any drainage. They may include enterprises that on the census date had completed their plans, sold bonds to cover the cost of the undertakings, and let contracts for the construction work, and also others for which the order of establishment had just been issued and which were still subject to considerable change in area, plan of drainage works, and cost.

TABLE 2.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES CLASSIFIED AS BETWEEN OPERATING AND NONOPERATING ENTERPRISES: 1920.

CLASS.	LAND.		CAPITAL. ¹			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All organized enterprises.....	9,375,907	100.0	\$31,201,517	100.0	\$2,729,055	
Operating enterprises.....	9,087,183	96.9	31,147,682	99.8	796,176	
With works completed.....	8,867,674	94.6	30,154,236	96.6		
With works under construction.....	219,509	2.3	993,886	3.2	796,176	
Nonoperating enterprises.....	288,724	3.1	53,835	0.2	1,932,879	

¹ The inquiry asked for the "total cost of the enterprise to Dec. 31, 1919," and for an "estimate of additional investment to complete."

Location of enterprises.—A large portion of the central and northern parts of Indiana has been included in drainage enterprises, and there is a considerable area in such enterprises in the southwest corner.

TABLE 3.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY DRAINAGE BASIN: 1920.

DRAINAGE BASIN.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All organized enterprises.....	9,375,907	100.0	\$31,201,517	100.0	\$2,729,055	
Operating enterprises.....	9,087,183	96.9	31,147,682	99.8	796,176	
Miami River.....	28,238	0.3	113,256	0.4	1,125	
Wabash River.....	5,978,848	63.8	20,081,675	64.4	574,533	
Ohio River.....	230,317	2.5	804,875	2.6		
Illinois River.....	1,273,240	13.6	5,325,712	17.1	107,021	
Lake Michigan.....	877,831	9.4	2,356,527	7.6	23,941	
Lake Erie.....	698,709	7.5	2,465,637	7.9	89,556	
Nonoperating enterprises.....	288,724	3.1	53,835	0.2	1,932,879	
Wabash River.....	41,531	0.4	12,066	(¹)	431,727	
Illinois River.....	217,572	2.3	41,769	0.1	1,271,555	
Lake Michigan.....	27,824	0.3			80,000	
Lake Erie.....	1,707	0.1			188,898	

¹ Less than one-tenth of 1 per cent.

In the southern and southeastern parts of the state, however, are groups of counties in which

there has been very little or no drainage except that done by individual farm owners.

Condition of land in enterprises.—Three-fourths of the drainage enterprises in this state, in number and in area of land included, are reported as having been organized for the purpose of draining land that was swampy or so generally wet as to interfere with profitable cultivation. A comparatively few were organized to secure protection against stream overflow, but for nearly a fourth of the enterprises the condition that necessitated drainage was not reported. The statistics show approximately 60 per cent of the land in operating enterprises to have been improved before the drainage enterprises were organized, and 25 per cent to have been timber and cut-over land.

The usual purpose of an organized enterprise is merely to provide adequate outlets into which the landowners of the district may drain their farms and to afford relief from overflow for the district as a unit. Therefore, the fact that an enterprise which has completed the construction of the drainage works authorized contains land still swampy or subject to overflow, or land that suffers damage to crops, does not show that the improvement works are inadequate.

TABLE 4.—LAND IN ALL ENTERPRISES, CLASSIFIED BY CONDITION: 1920.

CONDITION OF LAND.	OPERATING ENTERPRISES.				
	Total.		Works completed (acres).	Works under construction (acres).	Non-operating enterprises (acres).
	Acreage.	Per cent of all land.			
All land in enterprises.....	9,087,183	100.0	8,867,674	219,509	288,724
Improved land.....	7,005,605	83.7	7,442,870	162,695	192,190
Timber and cut-over land.....	942,378	10.4	900,187	42,211	51,212
Other unimproved land.....	539,240	5.9	524,637	14,603	45,322
Swampy or subject to overflow..	386,320	4.3	362,150	24,161	64,677
Suffering a loss of crops.....	210,678	2.3	188,007	22,671	38,456

Size of enterprises.—Presentation of the statistics by counties requires that an enterprise located in more than one county be divided, and the part in each county be considered a separate enterprise. In this way 12,004 operating drainage enterprises are counted in Indiana, with an average area of 1,251 acres assessed. Of this number, 174 comprise 10,000 acres or more each, 2,611 comprise 1,000 to 5,000 acres, and 2,345 are smaller than 200 acres each. The assessed acreage exceeds the land in enterprises by 5,928,038 acres, which is the amount of overlapping. The land in enterprises and the assessed acreage on each line of Table 5 refer to the same enterprises. From the total area of each enterprise, designated as the assessed area, the net amount of overlapping with enterprises organized previously was deducted, to determine the area to be tabulated as land in enterprises. The amount of overlapping could be only estimated, however, in a great many cases, so for several counties the figures for land in enterprises are only rough approximations.

TABLE 5.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY SIZE OF AREA ASSESSED: 1920.

SIZE GROUP.	Land in enterprises (acres).	ASSESSED AREA.	
		Acreage.	Per cent of total.
All operating enterprises.....	9,087,183	15,015,221	100.0
Less than 200 acres.....	194,640	255,985	1.7
200 to 499 acres.....	878,821	1,218,792	8.1
500 to 999 acres.....	1,526,423	2,098,534	14.0
1,000 to 4,999 acres.....	3,528,421	5,017,316	33.4
5,000 to 9,999 acres.....	1,059,216	1,718,075	11.4
10,000 to 49,999 acres.....	1,489,965	2,917,817	19.4
50,000 to 99,999 acres.....	301,248	1,032,904	6.9
100,000 to 499,999 acres.....	21,449	755,799	5.0

Character of enterprises.—The drainage enterprises in Indiana have been classified as incorporated associations, county commissioners' drains, circuit court drains, and drainage districts. The information secured concerning a considerable part of the enterprises, however, was not sufficiently definite to permit classification with reasonable certainty. The statistics include also a very few commercial developments and private undertakings.

Incorporated associations for the construction of levees and drains and the reclamation of wet and overflowed land have been organized under statutes of 1852 (ch. 29), 1869 (ch. 38), 1873 (ch. 68), 1889 (ch. 67), and 1913 (ch. 165); only the last two are still in effect. Each of these laws has required that the owners of the land to be drained or protected sign articles of association and file them with the county recorder. The minimum number of incorporators required has varied from 15 under the first law to 3 and 5, respectively, under the laws of 1889 and 1913. The associations are governed by directors elected by the members. Assessments of damages and of benefits to accrue from construction are assessed by appraisers, who were selected by the directors under the law of 1852 but now are appointed by the county commissioners upon petition signed by a majority of the landowners or by the owners of two-thirds of the land that will be affected. After public hearing by the appraisers to equalize the assessments, as provided by the statutes still in force, the cost of the enterprise is apportioned against all the land in proportion to the benefits confirmed. Appeals regarding assessments may be taken to the circuit court or the court of common pleas. The county commissioners may issue bonds to finance the construction of drainage works undertaken by associations formed under the act of 1913 and, since 1905, under the act of 1889.

County commissioners' drains, to enable owners of wet land to drain and reclaim it when that could not be done without affecting the land of others, have been established under acts of 1867 (ch. 99), 1875 (approved Mar. 9), 1879 (ch. 121), 1881 (ch. 44), and 1891 (ch. 196), all of which have been repealed. The

act of 1867, like one of 1863 which it repealed, required that application for the proposed drain be made to the county board, who would appoint appraisers to assess both damages and benefits against all land that would be affected. The applicant must pay the damages assessed before construction of the drain was begun, and might demand payment of the benefits assessed when construction had been completed. The act of 1875 provided for reviewers to review the work of the first viewers or appraisers of damages and benefits, if remonstrance was made by landowners affected, and for control of construction by the county board. Each landowner might construct the portion of ditch allotted to him, or the county auditor would let the work by contract and charge the cost to the landowners in proportion to the benefits assessed. The act of 1879 related only to drains not exceeding 3 miles in length. It provided that appeal might be taken to the circuit court regarding assessments of damages and benefits confirmed by the county commissioners. Construction was secured by the petitioners, who were authorized to collect the benefits assessed by suit at law. The statute of 1881 was similar to that of 1875, but provided that appeal from decisions of the county commissioners might be taken to the circuit court, and that the county auditor should let contracts for construction, collect the assessments, and pay the accounts rendered against the enterprise. The act of 1891 related to drains not less than 5 miles in length, and required that the petition for establishment be signed by 10 or more owners of land to be benefited. It authorized the county commissioners also to issue bonds for drainage. The statutes of 1875, 1881, and 1891 provided for drains to be located in more than one county, to be established by joint action of the county commissioners of the counties affected.

The circuit court drains are those that have been established under laws of 1881 (ch. 43), 1885 (ch. 40), 1905 (ch. 157), and 1907 (ch. 252). Each of these acts repealed the preceding one, and only that of 1907 is now in effect. The act of 1881 (ch. 43) provided for a board of drainage commissioners for each enterprise established under the law, to consist of the county surveyor and two other persons appointed by the court. The later acts have provided that each board of county commissioners shall appoint a county drainage commissioner, and that the drainage commissioners for each drain established under these acts shall consist of the county drainage commissioner, the county surveyor, and a third commissioner specially appointed by the court. The following provisions are alike in all of the circuit court drain acts: A petition for establishment must be submitted to the circuit or superior court, signed by one or more owners of land to be benefited by the proposed work. After public hearing, the court refers the petition to the board of drainage commissioners, who investigate the utility and practica-

bility of the project, plan the drainage improvements, estimate the cost of the undertaking, and assess the damages and the benefits that will accrue if the enterprise is carried out. Public hearing upon the drainage commissioners' report is held by the court, and the assessments are equalized and confirmed. Decisions of this court are subject to appeal to the supreme court of the state. Construction of the drainage works is secured by a commissioner appointed by the court. This commissioner also assesses the cost according to the confirmed benefits, collects the assessments, and disburses the funds. The laws of 1905 and 1907 provide that for a drain to be located in more than one county, proceedings shall be before the court of that county having the greatest length of the drain, and for an enterprise in only one county proceedings may be before the county commissioners instead of the circuit or superior court. These two acts also authorize the issue of county bonds for drainage, to be paid from the assessments against the land in the drainage enterprises.

Drainage districts were authorized by acts of 1893 (ch. 146) and 1915 (ch. 88); the former was repealed in 1905 and the latter in 1917. The earlier act provided for establishment by proceedings before the county commissioners' court. A petition for the district must be signed by a majority of the landowners who must own at least one-third of the acreage in the proposed district, or by one-third of the owners owning a major part of the acreage. After ordering the district established, the court appointed three drainage commissioners to administer the affairs of the district until other commissioners should be elected. The commissioners determined the plan of drainage, classified the land according to benefits, assessed the damages that should be paid, and let contracts for construction of the works. Classification of the land and assessments of damages were subject to confirmation by the commissioners' court and appeal to the circuit court. The cost of the enterprise was apportioned by the county auditor according to the confirmed benefits, and collected like general county taxes. No provision was made for issuing bonds. For a district to be situated in more than one county, proceedings were in the county embracing the greater part of the district. The same statute authorized the formation of subdistricts within an original district, by similar proceedings, to be administered by the commissioners of the original district. Drainage districts might also be formed by mutual agreement of two-thirds of the landowners owning two-thirds of the acreage. Classification of the land in a mutual agreement district was made by the county surveyor, and confirmed by the commissioners' court.

The act of 1915 (ch. 88) provided for the establishment of drainage, sanitary, and reclamation districts

by the circuit or superior courts, after filing of articles of association signed by a majority of the resident landowners to be affected, in number or in acreage. Three or five supervisors were elected by the landowners, or appointed by the court upon petition, to be the executive board of the district. They adopted a plan of reclamation and secured construction of the work. Hearing upon the plan of reclamation was required if the proposed work would affect land of owners that had not signed the articles of association. Damages and benefits were assessed by three commissioners appointed by the judge of the court upon petition from the district supervisors, and confirmed by the court after public hearing. Appeal might be taken to the state supreme court. The drainage taxes were apportioned like the confirmed benefits, or the supervisors might levy a uniform acreage tax of not exceeding 50 cents per acre per year. Bonds of the district might be issued by the supervisors.

TABLE 6.—LAND AND CAPITAL INVESTED IN ALL ENTERPRISES, CLASSIFIED BY CHARACTER OF ENTERPRISE: 1920.

CHARACTER OF ENTERPRISE.	LAND.		CAPITAL.		
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.
			Amount.	Per cent of total.	
All organized enterprises..	9,375,907	100.0	\$31,201,517	100.0	\$2,729,055
Operating enterprises.....	9,087,183	96.9	31,147,082	99.8	796,176
Incorporated associations....	722,942	7.7	2,175,073	7.0	21,000
Laws of 1852, ch. 29.....	29,368	0.3	55,704	0.2	.....
Laws of 1869, ch. 38.....	38,592	0.4	61,551	0.2	.....
Laws of 1873, ch. 68.....	40,847	0.4	89,839	0.3	.....
Laws of 1889, ch. 67.....	490,399	5.2	1,370,969	4.4	.....
Laws of 1913, ch. 165.....	123,746	1.3	591,010	1.9	21,000
County commissioners' drains	2,006,992	22.4	5,148,191	16.5	.....
Laws of 1897, ch. 99.....	85,500	0.9	226,173	0.7	.....
Laws of 1875 (Mar. 9).....	840,592	9.0	1,495,706	4.8	.....
Laws of 1879, ch. 121.....	49,241	0.5	99,428	0.3	.....
Laws of 1881, ch. 44.....	992,911	10.3	2,875,084	9.2	.....
Laws of 1891, ch. 196.....	153,748	1.7	451,800	1.4	.....
Circuit court drains.....	3,204,020	34.8	14,502,720	46.5	753,421
Laws of 1881, ch. 43.....	332,810	3.5	682,524	2.2	.....
Laws of 1885, ch. 40.....	306,258	3.3	809,131	2.6	.....
Laws of 1895, ch. 157.....	435,381	4.6	1,744,802	5.6	.....
Laws of 1907, ch. 252.....	2,190,471	23.4	11,266,263	36.1	753,421
Drainage districts.....	170,657	1.8	963,016	3.1	12,150
Laws of 1893, ch. 146.....	74,461	0.8	325,683	1.0	.....
Laws of 1915, ch. 88.....	96,196	1.0	637,833	2.0	12,150
Not identified.....	2,793,682	29.8	7,775,994	24.9	9,605
Laws of 1881.....	2,541,239	27.1	6,776,281	21.7	446
Laws of 1901.....	124,861	1.3	347,495	1.1	.....
Laws of 1911.....	127,582	1.4	652,218	2.1	9,160
Commercial and individual..	5,623	0.1	298,519	1.3	.....
Not reported.....	32,367	0.3	184,169	0.6	.....
Nonoperating enterprises ¹	288,724	3.1	53,835	0.2	1,932,879

¹ All are circuit court drains under Laws of 1907 (ch. 252), except 600 acres under individual ownership.

The first drainage law of Indiana was approved May 29, 1852, providing for the sale of swamp land by the county auditors and treasurers, and the appointment by the governor of a drainage commissioner for each county. That commissioner was authorized to plan the drainage of the land and let contracts for construction, the cost to be paid from the proceeds of the sale of the land. This act was repealed in 1869 (ch. 38). A great many other laws

relating to drainage and flood protection have been enacted, several of them being still operative. Most of these relate only to construction of levees and the protection of land in cities, or to the maintenance and repair of works constructed under earlier laws. Only those already mentioned affect the character of the enterprises reported.

Drainage works.—The total works completed by drainage enterprises to December 31, 1919, comprised 17,470.7 miles of open ditches, 8,227.6 miles of tile drains, and 165.8 miles of accessory levees; the additional lengths under construction were 123.4 miles of open ditches, 185.7 miles of tile drains, and 9.2 miles of levees. These figures do not include drains or levees installed by individual farm owners supplemental to the works of the enterprises, nor the works of flood-protection or levee districts that had not undertaken the construction of ditches or tile drains. There are four pumping districts among the operating drainage enterprises in the state, equipped with 5 centrifugal pumps and 1 rotary pump, and all operated by steam power. The pumps have a total capacity of 55,348 gallons per minute, and the engines 625 horsepower.

TABLE 7.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY KIND OF DRAINAGE WORKS: 1920.

KIND OF WORKS.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All kinds.....	9,087,183	100.0	\$31,147,682	100.0	\$796,176	
Open ditches only.....	5,133,620	56.5	14,405,334	46.2	160,856	
Open ditches and levees.....	270,784	3.0	895,236	2.9	25,740	
Tile drains only.....	1,234,320	13.6	6,171,216	19.8	103,952	
Open ditches and tile drains.....	2,423,949	26.7	9,336,171	30.0	475,828	
Open ditches, tile drains, and levees.....	24,510	0.3	339,725	1.1	30,000	

TABLE 8.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY TYPE OF DRAINAGE: 1920.

TYPE OF DRAINAGE.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All operating enterprises.....	9,087,183	100.0	\$31,147,682	100.0	\$796,176	
Gravity drainage only.....	9,078,072	99.9	30,904,618	99.4	750,176	
All drainage by pumping.....	311	(¹)	6,289	(¹)	.....
Part gravity and part pumping...	8,800	0.1	176,775	0.6	46,000	
Total area served by pumps.....	5,611	0.1	.....	.....	.....

¹ Less than one-tenth of 1 per cent.

The average depth of the main or outlet ditch was reported for each enterprise. The maximum

depth of outlet reported for any enterprise in the state and the maximum in each county are shown in line 15 of County Table II. The maximum length, width, and depth of outlet shown in that table for any county may not refer to the same enterprise.

In County Table II, line 16 shows the mean depth of branch ditches (open ditches only), which is a very crude indication of the depth of soil drainage that may be obtained in the enterprises as determined by the depth of outlet provided for farm drains. The mean depth was computed by giving each separate depth a weight in proportion to the acreage it serves. As most enterprises reported depths in whole numbers only, the occasional decimals were omitted in making these computations. Depths less than 3 feet and those 10 feet and greater were omitted because it seemed that they did not represent so well the average depths of outlet provided for all the farms in those districts. To include these groups, computed as 3 feet and 10 feet, respectively, would show the mean depth for the state 5.2 instead of 5.1 feet.

TABLE 9.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY AVERAGE DEPTH OF BRANCH DITCHES: 1920.

DEPTH OF BRANCH DITCHES.	Acreage.	Per cent of total.
All operating enterprises.....	9,087,183	100.0
Less than 3 feet.....	162,513	1.8
3.0 to 3.9 feet.....	423,560	4.7
4.0 to 4.9 feet.....	920,258	10.2
5.0 to 5.9 feet.....	587,320	6.5
6.0 to 6.9 feet.....	692,507	7.6
7.0 to 7.9 feet.....	320,915	3.5
8.0 to 8.9 feet.....	237,242	2.6
9.0 to 9.9 feet.....	33,471	0.4
10 feet and more.....	143,084	1.6
Not reporting branches.....	5,552,313	61.1

Maintenance of works.—The township trustees are required, by an act passed in 1915 (ch. 100), to clean and repair biennially all ditches or drains, except dredged ditches, constructed in their respective townships under any law of the state. The trustees employ engineers to make necessary surveys and let contracts for the work, but landowners may pay their assessments in labor. For cleaning an open ditch, the cost is paid from a tax levied at a uniform rate per acre upon all land benefited, but each town lot is assessed as one acre. The cost of repairing a tile drain is paid by the land benefited in the same proportion as the cost of original construction.

Open ditches other than dredged ditches may be repaired by petition to the county commissioners, in accordance with an act of 1917 (ch. 82). The petition must be signed by owners of 20 per cent of the acreage to be affected, and must be dismissed if remonstrance is made by owners of a major part of the acreage.

The work is allotted to the individual landowners by the county surveyor, or apportioned according to the allotments made for original construction, and is performed under the supervision of the township trustees.

Ditches constructed wholly or partly with a dredge are to be repaired by proceedings somewhat similar to those for establishing a new drain. A petition from five or more owners of real estate that was assessed for the original construction of the drain must be submitted to the court or county commissioners who established the original enterprise. After public hearing and favorable finding, the petition is referred to the drainage commissioner of the county, who makes the survey, assesses damages and benefits, and apportion the cost according to the benefits. His findings are subject to review by the court or county commissioners before contracts are let for construction. Bonds may be issued if the contracts exceed \$5,000.

Drains established under the act of 1889 (ch. 67) are to be kept in repair by the directors of the respective enterprises, the cost to be borne by the land in the same proportion as the cost of original construction, according to an act of 1911 (ch. 127).

A number of laws relating to the repair of ditches have been enacted, which have been repealed or superseded by those mentioned.

TABLE 10.—LAND AND CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY METHOD OF MAINTENANCE: 1920.

METHOD OF MAINTENANCE.	LAND.		CAPITAL.			
	Acreage.	Per cent of total.	To Dec. 31, 1919.		Additional required to complete.	
			Amount.	Per cent of total.		
All operating enterprises.....	9,087,183	100.0	\$31,147,682	100.0	\$796,176	
By district forces.....	1,707,614	19.5	4,942,336	15.9	51,203	
By contract.....	1,734,516	19.1	6,008,791	21.2	90,107	
By method not specified.....	31,056	0.3	154,958	0.5		
By landowners.....	2,780,623	30.6	8,657,234	27.8	174,753	
No maintenance provided.....	2,690,086	29.6	10,490,412	33.7	457,536	
Not reported.....	83,288	0.9	293,951	0.9	16,577	

Date of organization.—The progress in drainage is shown only roughly by the dates of the organization of the enterprises, which are the dates when they were established by orders of the courts or county commissioners or otherwise as provided by law, since there may be a period of one or more years between the decree of establishment and the beginning of actual construction, and since the work of construction may occupy several years in a large enterprise. It was not practicable, however, for the census to secure data as to the time of the beginning or the completion of the drainage works. Under the date of organization are tabulated the entire area, works, and capital of each enterprise, even including extensions made after the original plan of reclamation was completed.

TABLE 11.—LAND IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	LAND.		AREA ASSESSED.	
	Acreage.	Per cent of total.	Acreage.	Per cent of total.
All operating enterprises.....	9,087,183	100.0	15,015,221	100.0
Before 1860.....	6,460	0.1	6,460	(¹)
1860 to 1869.....	49,025	0.5	54,486	0.4
1870 to 1879.....	618,718	6.8	700,290	4.7
1880 to 1889.....	2,148,153	23.6	2,759,722	18.3
1890 to 1899.....	1,062,573	11.8	2,531,548	16.9
1900 to 1904.....	1,378,712	15.2	2,301,705	15.3
1905 to 1909.....	997,537	11.0	2,101,494	14.0
1910 to 1914.....	1,416,361	15.6	2,492,896	16.6
1915 to 1919.....	500,769	5.5	1,960,739	13.1
Not reported.....	5,909	0.1	14,605	0.1

¹ Less than one-tenth of 1 per cent.

TABLE 12.—CAPITAL INVESTED IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	CAPITAL.		
	To Dec. 31, 1919.		Additional required to complete.
	Amount.	Per cent of total.	
All operating enterprises.....	\$31,147,682	100.0	\$796,176
Before 1860.....	18,014	0.1	
1860 to 1869.....	63,460	0.2	
1870 to 1879.....	1,105,221	3.7	
1880 to 1889.....	4,877,103	15.7	
1890 to 1899.....	5,015,604	16.1	
1900 to 1904.....	3,993,652	12.8	281
1905 to 1909.....	4,358,197	14.0	
1910 to 1914.....	6,248,435	20.1	256,438
1915 to 1919.....	5,325,766	17.1	539,467
Not reported.....	82,110	0.3	

TABLE 13.—DRAINS AND LEVEES (COMPLETED AND UNDER CONSTRUCTION) IN OPERATING ENTERPRISES, CLASSIFIED BY DATE ENTERPRISE WAS ORGANIZED: 1920.

DATE OF ORGANIZATION.	DITCHES.		TILE.		LEVEES.	
	Miles.	Per cent of total.	Miles.	Per cent of total.	Miles.	Per cent of total.
All drains and levees.....	17,594.1	100.0	8,413.3	100.0	175.0	100.0
Before 1860.....	7.5	(¹)	1.0	(¹)		
1860 to 1869.....	79.8	0.5	54.6	0.6		
1870 to 1879.....	1,822.7	10.4	827.3	9.8	25.2	14.4
1880 to 1889.....	5,060.8	33.0	1,543.6	18.3	9.8	5.6
1890 to 1899.....	3,580.4	20.4	1,394.6	16.6	21.5	12.3
1900 to 1904.....	1,893.1	10.8	1,420.7	16.9	17.5	10.0
1905 to 1909.....	1,580.3	9.0	1,842.5	21.9	70.2	40.1
1910 to 1914.....	1,623.9	9.2	1,317.9	15.7	30.8	17.6
1915 to 1919.....	1,013.5	5.8				
Not reported.....	32.1	0.2	11.1	0.1		

¹ Less than one-tenth of 1 per cent.

Crops.—The principal crops grown upon the drained land in drainage enterprises are corn, wheat, and hay. Data were not secured to show the part of each enterprise planted to any crop, so the enterprises have been classified according to the principal crop, and the total area of improved land is shown thus classified, in County Table II. No data were secured at the general census of agriculture to separate the crops grown upon land drained artificially from those produced upon land drained naturally.

DRAINAGE—INDIANA.

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COUNTY TABLE I.—DRAINAGE ON FARMS: 1920.

		The State.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.	Brown.
1	Number of all farms in the state or county.....	205,126	2,328	4,221	2,043	1,255	1,126	3,011	1,458
2	Farms reporting land having drainage.....	111,435	2,197	3,877	1,037	1,174	1,061	2,886	62
3	Farms reporting land needing drainage.....	66,413	1,423	2,044	815	202	752	1,224	89
4	Farms in drainage and levee districts.....	14,839	17	360	72	59	404	50	.....
LAND AND FARM AREA.									
5	Approximate land area of the state or county.....acres..	23,068,800	215,680	423,040	260,480	261,120	107,520	273,280	207,360
6	All land in farms.....acres..	21,063,332	206,981	391,772	242,768	253,194	101,469	255,620	159,867
7	Improved land in farms.....acres..	16,680,212	181,678	321,262	196,359	239,857	87,604	223,674	81,389
8	Woodland in farms.....acres..	3,141,042	21,574	53,767	33,719	5,529	12,640	20,793	57,412
9	Other unimproved land in farms.....acres..	1,242,078	8,729	16,743	12,600	7,808	1,225	2,153	21,066
10	Farm land reported as provided with drainage.....acres..	8,308,844	155,678	257,396	80,447	223,867	75,702	214,310	964
11	Farm land reported as needing drainage.....acres..	1,717,068	26,668	66,689	23,135	12,976	19,076	24,021	1,803
12	Drainage only.....acres..	673,952	9,224	22,305	6,778	10,362	7,950	4,701	428
13	Drainage and clearing.....acres..	1,043,116	17,444	44,384	16,357	2,614	11,126	19,320	1,375

		Carroll.	Cass.	Clark.	Clay.	Clinton.	Daviess.	Decatur.	De Kalb.	Dela-ware.
1	Number of all farms in the county.....	2,075	2,395	2,002	2,414	2,389	2,602	1,910	2,461	2,803
2	Farms reporting land having drainage.....	1,610	1,965	128	545	2,029	599	1,805	2,358	2,447
3	Farms reporting land needing drainage.....	787	998	216	411	747	513	664	1,707	1,196
4	Farms in drainage and levee districts.....	385	503	2	117	29	164	12	1,787	147
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	241,280	266,240	240,000	231,040	261,120	277,120	241,920	236,800	250,880
6	All land in farms.....acres..	226,389	250,078	212,414	204,441	248,433	256,892	231,113	230,815	237,295
7	Improved land in farms.....acres..	195,457	207,684	141,149	161,703	226,600	223,446	188,384	181,510	205,652
8	Woodland in farms.....acres..	23,597	33,742	51,052	30,666	20,027	24,829	28,616	29,878	24,739
9	Other unimproved land in farms.....acres..	7,335	8,552	20,213	12,072	1,806	8,617	14,113	9,927	6,914
10	Farm land reported as provided with drainage.....acres..	138,092	154,443	3,030	16,442	189,214	26,502	126,886	148,022	175,208
11	Farm land reported as needing drainage.....acres..	15,807	23,624	6,867	7,670	12,094	13,445	21,749	35,723	23,585
12	Drainage only.....acres..	5,604	7,783	1,952	1,810	1,907	7,566	12,321	11,398	7,767
13	Drainage and clearing.....acres..	10,203	15,841	4,915	5,860	10,097	5,879	9,428	24,325	15,828

		Dubois.	Elkhart.	Fayette.	Floyd.	Fountain.	Franklin.	Fulton.	Gibson.	Grant.
1	Number of all farms in the county.....	2,261	3,131	1,081	1,252	1,915	2,067	2,241	2,563	2,950
2	Farms reporting land having drainage.....	176	1,410	711	43	1,310	568	1,955	1,117	2,707
3	Farms reporting land needing drainage.....	136	1,166	548	142	791	425	1,337	356	1,478
4	Farms in drainage and levee districts.....	9	492	6	1	21	76	402	205	169
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	273,280	295,680	138,240	94,720	252,800	252,160	234,880	311,040	270,720
6	All land in farms.....acres..	258,735	262,300	133,437	82,574	236,904	248,193	222,778	280,532	251,055
7	Improved land in farms.....acres..	178,056	220,293	104,587	52,260	194,071	158,093	187,339	230,709	219,414
8	Woodland in farms.....acres..	64,920	31,820	19,017	23,497	30,556	50,172	20,365	10,845	26,505
9	Other unimproved land in farms.....acres..	15,759	10,187	9,833	6,817	12,277	39,928	15,074	6,978	5,736
10	Farm land reported as provided with drainage.....acres..	5,799	68,519	43,922	682	105,805	31,137	136,424	72,566	198,700
11	Farm land reported as needing drainage.....acres..	4,642	21,546	10,802	2,068	26,980	8,116	30,316	10,387	30,575
12	Drainage only.....acres..	1,482	9,712	2,785	128	14,654	1,814	12,227	5,852	9,974
13	Drainage and clearing.....acres..	3,160	11,834	8,007	1,965	12,326	6,302	18,089	4,475	20,601

		Greene.	Hamilton.	Hancock.	Harrison.	Hendricks.	Henry.	Howard.	Huntington.	Jackson.
1	Number of all farms in the county.....	3,441	2,868	2,038	3,048	2,526	2,540	2,164	2,637	2,617
2	Farms reporting land having drainage.....	417	2,260	1,966	174	2,190	2,334	2,040	2,354	540
3	Farms reporting land needing drainage.....	270	1,066	1,024	252	1,305	1,414	1,184	1,521	184
4	Farms in drainage and levee districts.....	104	64	190	4	80	253	141	332	32
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	347,520	255,360	196,480	311,040	261,120	254,080	190,080	247,040	331,520
6	All land in farms.....acres..	309,198	242,165	187,218	287,333	242,235	239,709	182,150	234,105	294,173
7	Improved land in farms.....acres..	237,795	209,869	166,994	183,033	197,844	211,054	162,102	196,094	206,826
8	Woodland in farms.....acres..	53,081	27,864	17,089	78,331	33,895	24,337	16,247	29,579	73,372
9	Other unimproved land in farms.....acres..	17,722	4,432	3,135	25,969	10,496	4,318	3,801	8,432	13,975
10	Farm land reported as provided with drainage.....acres..	27,605	149,612	153,842	12,113	163,420	179,265	145,473	162,122	20,475
11	Farm land reported as needing drainage.....acres..	8,746	19,187	17,157	4,867	35,900	26,260	17,627	27,250	5,157
12	Drainage only.....acres..	5,104	6,721	3,048	413	12,225	6,085	4,042	6,351	2,477
13	Drainage and clearing.....acres..	3,642	12,466	14,109	4,454	23,675	20,175	13,485	20,899	2,680

DRAINAGE—INDIANA.

COUNTY TABLE I.—DRAINAGE ON FARMS: 1920—Continued.

		Jasper.	Jay.	Jennings.	Johnson.	Knox.	Kosciusko.	Lagrango.	Lake.	LaPorte.
1	Number of all farms in the county.....	1,736	2,532	2,023	2,051	2,458	3,355	2,044	1,718	2,431
2	Farms reporting land having drainage.....	1,389	2,166	255	1,789	900	2,522	908	1,114	560
3	Farms reporting land needing drainage.....	850	1,246	471	889	515	1,851	624	876	290
4	Farms in drainage and levee districts.....	111	208	2	178	316	461	253	298	318
	LAND AND FARM AREA.									
5	Approximate land area of the county.....acres..	359,080	240,000	245,120	206,080	326,400	346,240	247,680	314,880	380,800
6	All land in farms.....acres..	322,309	233,534	221,145	196,932	299,751	313,245	221,305	225,415	338,938
7	Improved land in farms.....acres..	249,690	201,462	159,415	164,550	261,423	249,460	177,332	181,713	280,323
8	Woodland in farms.....acres..	42,320	27,927	49,875	24,395	27,673	35,189	23,884	25,116	27,523
9	Other unimproved land in farms.....acres..	30,453	4,155	11,855	7,987	10,750	28,596	20,089	18,586	31,147
10	Farm land reported as provided with drainage.....acres..	198,318	161,422	6,803	134,434	57,789	137,099	31,389	87,141	71,070
11	Farm land reported as needing drainage.....acres..	85,778	31,104	13,291	16,908	15,623	42,346	12,062	36,585	15,667
12	Drainage only.....acres..	49,696	11,777	5,361	4,993	10,084	17,675	6,176	20,996	11,057
13	Drainage and clearing.....acres..	36,183	19,327	7,930	11,915	5,439	24,671	5,886	15,589	4,610
		Lawrence.	Madison.	Marion.	Marshall.	Martin.	Miami.	Monroe.	Montgomery.	Morgan.
1	Number of all farms in the county.....	2,332	3,173	2,855	2,720	1,661	2,205	2,232	2,564	2,492
2	Farms reporting land having drainage.....	17	2,830	1,992	1,827	137	1,029	142	2,134	660
3	Farms reporting land needing drainage.....	19	1,228	943	1,371	199	1,222	199	776	278
4	Farms in drainage and levee districts.....		427	154	104	19	129	2	138	69
	LAND AND FARM AREA.									
5	Approximate land area of the county.....acres..	291,840	288,000	254,080	282,240	216,960	243,840	266,240	320,640	259,840
6	All land in farms.....acres..	251,658	266,203	198,970	265,396	196,490	226,056	228,170	301,398	240,808
7	Improved land in farms.....acres..	160,265	230,504	166,799	209,878	119,493	186,930	142,944	247,692	162,724
8	Woodland in farms.....acres..	60,931	26,110	26,302	29,586	54,110	29,639	69,013	46,520	65,804
9	Other unimproved land in farms.....acres..	24,462	4,589	5,869	25,932	22,887	9,627	16,218	7,186	11,281
10	Farm land reported as provided with drainage.....acres..	685	213,570	115,254	105,437	4,818	141,711	4,849	211,168	29,840
11	Farm land reported as needing drainage.....acres..	340	24,205	17,933	36,051	5,576	28,178	6,218	22,517	7,338
12	Drainage only.....acres..	124	9,010	4,123	14,097	2,299	7,821	2,188	3,725	1,509
13	Drainage and clearing.....acres..	216	15,195	13,810	21,964	3,277	20,357	4,030	18,792	5,829
		Newton.	Noble.	Orange.	Owen.	Parke.	Perry.	Pike.	Porter.	Posey.
1	Number of all farms in the county.....	1,011	2,450	2,315	1,968	2,228	1,836	2,159	1,791	2,071
2	Farms reporting land having drainage.....	738	1,902	98	60	1,041	178	306	765	1,169
3	Farms reporting land needing drainage.....	204	1,810	230	78	650	174	377	520	740
4	Farms in drainage and levee districts.....	47	740			23	1	77	267	136
	LAND AND FARM AREA.									
5	Approximate land area of the county.....acres..	259,200	266,880	260,480	251,520	286,080	245,760	216,320	265,600	257,280
6	All land in farms.....acres..	226,508	250,169	236,302	225,471	252,544	215,246	185,994	233,828	239,690
7	Improved land in farms.....acres..	183,416	198,848	144,761	144,132	163,139	106,558	154,110	187,068	211,762
8	Woodland in farms.....acres..	26,623	30,158	67,092	62,529	66,422	89,423	17,604	25,955	19,167
9	Other unimproved land in farms.....acres..	16,460	21,163	24,449	18,810	22,983	19,265	14,280	20,805	8,641
10	Farm land reported as provided with drainage.....acres..	145,245	103,539	2,130	1,917	55,466	3,393	10,710	42,195	77,859
11	Farm land reported as needing drainage.....acres..	27,658	32,508	5,968	3,006	16,538	3,993	9,510	16,730	22,061
12	Drainage only.....acres..	12,652	12,800	1,010	891	6,805	2,318	6,677	8,926	12,115
13	Drainage and clearing.....acres..	15,006	19,708	4,958	2,115	9,733	1,680	2,833	7,804	9,946
		Pulaski.	Putnam.	Randolph.	Ripley.	Rush.	St. Joseph.	Scott.	Shelby.	Spencer.
1	Number of all farms in the county.....	1,763	2,082	3,226	2,836	2,044	2,678	1,104	2,660	2,562
2	Farms reporting land having drainage.....	1,006	1,853	2,906	2,227	1,910	1,051	381	2,353	764
3	Farms reporting land needing drainage.....	954	675	1,663	650	980	610	327	1,146	402
4	Farms in drainage and levee districts.....	861	32	692	25	98	223	89	196	207
	LAND AND FARM AREA.									
5	Approximate land area of the county.....acres..	276,480	309,120	280,080	286,720	261,760	294,400	121,600	200,480	257,920
6	All land in farms.....acres..	253,924	283,452	270,572	269,401	252,997	267,933	105,422	248,756	231,746
7	Improved land in farms.....acres..	203,293	192,374	241,259	199,515	222,637	215,250	76,755	221,781	188,647
8	Woodland in farms.....acres..	36,652	79,442	29,483	42,524	25,274	26,542	23,724	19,731	27,206
9	Other unimproved land in farms.....acres..	13,979	16,635	6,830	27,662	5,036	16,191	4,943	7,244	15,893
10	Farm land reported as provided with drainage.....acres..	172,900	85,866	215,218	6,705	201,649	58,805	11,339	174,114	30,736
11	Farm land reported as needing drainage.....acres..	48,744	17,883	35,051	16,141	22,617	15,265	9,107	20,845	9,512
12	Drainage only.....acres..	18,524	6,113	8,179	2,439	6,097	7,248	2,092	6,059	5,477
13	Drainage and clearing.....acres..	30,220	11,770	23,872	12,702	16,520	8,017	7,015	14,286	4,035

DRAINAGE—INDIANA.

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COUNTY TABLE I.—DRAINAGE ON FARMS: 1920—Continued.

		Starke.	Steuben.	Sullivan.	Tippecanoe.	Tipton.	Union.	Vanderburg.	Vermillion.	Vigo.
1	Number of all farms in the county.....	1,402	1,787	2,837	2,401	1,857	796	1,680	1,058	2,770
2	Farms reporting land having drainage.....	1,032	996	903	1,550	1,545	563	542	467	670
3	Farms reporting land needing drainage.....	610	685	281	590	787	323	302	214	292
4	Farms in drainage and levee districts.....	252	221	81	34	-----	21	56	3	85
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	195,200	195,200	294,400	321,920	166,400	103,680	149,120	162,560	261,760
6	All land in farms.....acres..	168,178	183,072	252,861	299,228	153,969	100,269	132,538	132,357	222,285
7	Improved land in farms.....acres..	122,419	140,560	210,676	262,341	142,340	77,927	113,611	102,463	180,023
8	Woodland in farms.....acres..	27,226	22,439	24,213	27,205	16,192	11,624	10,632	21,789	25,925
9	Other unimproved land in farms.....acres..	18,533	20,073	17,972	9,682	437	10,718	8,295	8,105	16,337
10	Farm land reported as provided with drainage.....acres..	87,839	50,567	31,516	160,879	125,287	51,904	25,114	41,700	28,348
11	Farm land reported as needing drainage.....acres..	30,901	19,802	10,051	13,313	13,350	6,206	4,991	6,387	7,408
12	Drainage only.....acres..	11,097	8,302	5,942	4,283	2,532	1,349	3,214	1,693	3,530
13	Drainage and clearing.....acres..	18,904	11,590	4,109	9,030	10,818	4,857	1,777	4,694	3,878
		Wabash.	Warren.	Warrick.	Washington.	Wayne.	Wells.	White.	Whitley.	All other counties. ¹
1	Number of all farms in the county.....	2,529	1,286	2,503	2,549	2,410	2,545	1,991	2,041	8,885
2	Farms reporting land having drainage.....	2,220	845	681	90	1,722	2,457	1,697	1,943	90
3	Farms reporting land needing drainage.....	1,628	323	469	165	1,054	1,741	787	1,326	317
4	Farms in drainage and levee districts.....	620	117	245	1	77	464	193	295	8
LAND AND FARM AREA.										
5	Approximate land area of the county.....acres..	272,000	235,520	250,880	332,160	263,040	233,600	324,480	216,320	823,650
6	All land in farms.....acres..	249,852	208,204	220,461	304,091	243,777	219,856	314,520	194,017	784,704
7	Improved land in farms.....acres..	205,986	179,162	188,831	208,274	197,117	192,872	276,447	169,653	519,692
8	Woodland in farms.....acres..	30,452	20,727	17,389	81,630	31,756	25,029	20,332	28,026	105,435
9	Other unimproved land in farms.....acres..	13,424	8,315	14,241	14,187	14,304	1,955	17,241	7,288	99,577
10	Farm land reported as provided with drainage.....acres..	159,664	119,148	25,783	3,459	105,457	168,895	209,632	136,110	1,168
11	Farm land reported as needing drainage.....acres..	39,035	14,121	11,782	8,593	26,394	38,190	41,234	28,804	5,814
12	Drainage only.....acres..	16,735	6,144	7,692	5,792	9,654	15,045	26,450	7,772	1,244
13	Drainage and clearing.....acres..	23,200	7,977	4,090	2,801	16,730	23,145	14,784	21,092	4,570

¹ Drainage on farms was reported in all counties in Indiana.

DRAINAGE—INDIANA.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920.

		THE STATE.	Adams.	Allen.	Bartholomew.	Benton.	Blackford.	Boone.	Carroll.	Cass.
LAND AREA.										
1	Approximate land area of the state or county.....	acres.. 23,068,800	215,680	423,040	260,480	261,120	107,520	273,280	241,280	266,240
2	All land in operating drainage enterprises.....	acres.. 9,087,183	212,644	391,540	19,007	103,574	91,731	252,887	163,494	218,421
3	Improved land.....	acres.. 7,005,565	172,400	281,817	14,012	84,313	79,464	122,088	147,037	196,581
4	Per cent of all improved land in farms.....	45.6	94.9	87.7	7.1	35.2	90.7	98.7	75.2	94.7
5	Timber and cut-over land.....	acres.. 942,378	32,801	31,169	2,133	9,867	11,283	31,598	16,457	21,840
6	Other unimproved land.....	acres.. 539,240	7,443	78,554	2,862	9,394	984	603	.....	.....
7	Swampy or subject to overflow, in enterprises.....	acres.. 386,320	22,553	5,103	3,157	942	3,092	951	106	227
8	Suffering a loss of crops from defective drainage.....	acres.. 210,678	2,119	1,055	3,125	870	752	69	.....	.....
9	Assessed acreage.....	15,015,221	781,606	484,619	19,007	105,122	111,397	315,899	164,861	351,038
10	Excess over all land in operating enterprises.....	acres.. 5,928,038	568,962	93,079	.....	1,548	19,066	63,012	1,367	132,617
DRAINAGE WORKS.										
11	Open ditches:									
12	Completed.....	miles.. 17,470.7	761.3	1,045.2	64.8	89.0	212.2	368.5	258.1	532.9
13	Additional under construction.....	miles.. 123.4	.....	5.9	.....	.....	.....	.....	.....	.....
14	Maximum completed in any enterprise.....	miles.. 100.0	24.9	15.8	8.0	7.5	12.4	17.0	11.7	36.3
15	Maximum width at bottom of ditch ²	feet.. 125	125	20	6	30	65	12	12	12
16	Maximum of average depths of outlet ditches ²	feet.. 27.5	11.1	21.0	8.0	14.0	10.0	15.0	12.0	10.0
17	Mean depth of branch ditches ²	feet.. 5.1	3.5	4.8	3.6	3.4	4.7	4.3	4.6	4.2
18	Tile drains:									
19	Completed.....	miles.. 8,227.6	242.2	264.8	15.3	94.6	102.6	245.7	262.2	258.4
20	Additional under construction.....	miles.. 185.7	.....	2.5	.....	.....	0.5	.....	1.6	.....
21	Maximum completed in any enterprise.....	miles.. 100.0	4.5	4.9	7.0	6.0	5.0	9.0	4.6	12.2
22	Maximum size of tile ²	inches.. 48	30	30	20	36	24	27	30	30
23	Accessory levees and dikes:									
24	Completed.....	miles.. 165.8	.....	.....	2.5	.....	.....	.....	.....	.....
25	Additional under construction.....	miles.. 9.2	.....	.....	.....	.....	.....	.....	.....	.....
26	Pumping plants:									
27	Engine capacity.....	horsepower.. 625	.....	.....	.....	.....	.....	.....	.....	.....
28	Pump capacity.....	gallons per minute.. 55,348	.....	.....	.....	.....	.....	.....	.....	.....
29	Area served by pumps.....	acres.. 5,611	.....	.....	.....	.....	.....	.....	.....	.....
30	Area drained by open ditches only ²	acres.. 5,133,620	118,130	205,573	14,917	40,975	46,133	123,146	67,680	123,318
31	Length of these ditches.....	miles.. 12,457.2	523.0	883.3	58.0	66.0	112.7	201.8	190.0	333.6
32	Average length per acre.....	feet.. 12.8	23.4	15.8	20.7	7.0	12.9	12.5	15.5	14.3
33	Area having open ditches and levees ²	acres.. 270,784	.....	.....	640	.....	.....	.....	.....	.....
34	Length of these ditches.....	miles.. 210.5	.....	.....	2.2	.....	.....	.....	.....	.....
35	Average length per acre.....	feet.. 4.1	.....	.....	18.2	.....	.....	.....	.....	.....
36	Length of the accessory levees.....	miles.. 153.6	.....	.....	2.5	.....	.....	.....	.....	.....
37	Area drained by tile only ²	acres.. 1,234,320	12,008	33,210	2,465	33,767	11,774	84,948	54,472	25,686
38	Length of these tile.....	miles.. 4,639.5	111.1	159.4	12.8	73.2	53.2	206.6	193.6	126.6
39	Average length per acre.....	feet.. 19.8	48.9	25.3	27.4	11.4	23.9	12.8	18.8	25.0
40	Area drained by open ditches and tile ²	acres.. 2,423,940	82,506	62,757	985	19,832	33,824	44,793	41,842	69,417
41	Length of these drains.....	miles.. 8,481.7	369.4	275.7	6.5	44.4	149.4	115.8	129.3	331.1
42	Average length per acre.....	feet.. 18.5	23.6	23.2	34.8	11.8	23.3	13.6	16.5	25.2
43	Area having open ditches, tile drains, and levees ²	acres.. 24,510	.....	.....	.....	.....	.....	.....	.....	.....
44	Length of these drains.....	miles.. 188.5	.....	.....	.....	.....	.....	.....	.....	.....
45	Average length per acre.....	feet.. 40.6	.....	.....	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees.....	miles.. 21.4	.....	.....	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.										
47	Improved land in operating enterprises, 1920.....	acres.. 7,005,565	172,400	281,817	14,012	84,313	79,464	122,088	147,037	196,581
48	Improved land prior to drainage.....	acres.. 5,395,387	117,897	144,101	10,371	74,540	42,150	158,490	132,829	173,627
49	Increase since drainage.....	acres.. 2,209,178	54,503	137,716	3,641	9,773	37,314	62,196	14,708	23,054
50	Per cent of increase.....	40.9	46.2	95.6	35.1	13.1	88.5	39.2	11.1	13.3
51	Per cent increase is of all improved land in farms, 1920.....	13.2	30.0	42.9	1.9	4.1	42.6	27.8	7.5	11.1
52	Timber and cut-over land, 1920.....	acres.. 942,378	32,801	31,169	2,133	9,867	11,283	31,598	16,457	21,840
53	Timber and cut-over land prior to drainage.....	acres.. 2,324,978	86,446	119,685	3,494	14,853	47,097	87,117	31,165	44,894
54	Decrease since drainage.....	acres.. 1,382,600	53,645	88,516	1,861	4,986	35,814	55,519	14,708	23,054
55	Per cent of decrease.....	50.5	62.1	74.0	39.0	33.6	76.0	63.7	47.2	51.4
56	Other unimproved land, 1920.....	acres.. 539,240	7,443	78,554	2,862	9,394	984	603	.....	.....
57	Other unimproved land prior to drainage.....	acres.. 1,365,818	8,301	127,754	5,142	14,181	2,434	7,280	.....	.....
58	Decrease since drainage.....	acres.. 826,578	858	49,200	2,280	4,787	1,500	6,077	.....	.....
59	Per cent of decrease.....	60.6	10.3	38.5	44.3	33.8	60.4	91.7	.....	.....
60	Swampy or subject to overflow, 1920.....	acres.. 386,320	22,553	5,103	3,157	942	3,092	951	100	227
61	Swampy or subject to overflow prior to drainage.....	acres.. 3,247,265	33,065	149,005	5,882	16,116	25,656	97,954	58,401	89,793
62	Decrease since drainage.....	acres.. 2,860,945	61,112	143,902	2,725	15,174	22,564	97,003	58,295	89,566
63	Per cent of decrease.....	88.1	73.0	96.6	40.3	94.2	87.9	99.0	99.8	99.7
CAPITAL INVESTED AND COST PER ACRE.										
64	Total capital invested in and required for completion of operating enterprises.....	dollars.. 31,943,858	943,698	1,324,245	72,042	308,431	405,578	482,953	543,424	960,800
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars.. 31,147,682	943,698	1,306,669	72,042	308,431	401,828	482,953	530,336	960,800
66	Additional capital required to complete these enterprises.....	dollars.. 796,176	.....	17,576	.....	.....	3,750	.....	13,088	.....
67	Average cost per acre when completed.....	dollars.. 3.52	4.44	3.38	3.70	2.98	5.08	1.91	3.32	4.40
68	Enterprises constructing open ditches only.....	dollars.. 14,565,990	534,473	853,920	55,153	58,757	180,748	217,753	154,515	217,254
69	Average cost per acre when completed.....	dollars.. 2.84	4.52	2.89	3.70	1.18	4.05	1.77	2.28	1.76
70	Enterprises constructing open ditches and levees.....	dollars.. 920,976	.....	.....	850	.....	.....	.....	.....	.....
71	Average cost per acre when completed.....	dollars.. 3.40	.....	.....	1.33	.....	.....	.....	.....	.....
72	Enterprises constructing tile drains only.....	dollars.. 6,275,168	130,510	203,530	14,824	174,437	70,822	198,363	243,724	198,875
73	Average cost per acre when completed.....	dollars.. 5.08	10.87	6.13	6.01	5.17	6.02	2.34	4.47	7.74
74	Enterprises constructing open ditches and tile drains.....	dollars.. 9,811,999	278,715	266,795	1,215	75,237	208,008	66,837	145,185	544,671
75	Average cost per acre when completed.....	dollars.. 4.05	3.88	4.25	1.23	3.79	6.15	1.49	3.51	7.85
76	Enterprises constructing open ditches, tile drains, and levees.....	dollars.. 369,725	.....	.....	.....	.....	.....	.....	.....	.....
77	Average cost per acre when completed.....	dollars.. 15.10	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.										
78	Improved land in enterprises reporting—									
79	Corn as principal crop on drained land.....	acres.. 6,943,654	171,086	240,117	14,012	84,313	79,464	220,440	146,276	190,581
80	Wheat as principal crop on drained land.....	acres.. 392,459	.....	186	.....	.....	.....	100	761	.....
81	Hay as principal crop on drained land.....	acres.. 121,608	.....	41,514	.....	.....	.....	.....	.....	.....
82	Oats as principal crop on drained land.....	acres.. 64,647	.....	.....	.....	.....	.....	.....	.....	.....
83	Vegetables as principal crop on drained land.....	acres.. 2,296	412	.....	.....	.....	.....	146	.....	.....
84	Not reporting principal crop on drained land.....	acres.. 80,901	902	.....	.....	.....	.....	.....	.....	.....

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

² When works under construction have been completed.

³ The reported figures have been reduced by the same acreage as the improved land, 1920.

DRAINAGE—INDIANA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Clay.	Clinton.	Daviess.	De Kalb.	Dela- ware.	Dubois.	Elkhart.	Fayette.	Fount- tain.	Frank- lin.
LAND AREA.											
1	Approximate land area of the county.....acres..	231,040	261,120	277,120	236,800	250,880	273,280	295,680	138,240	252,800	252,160
2	All land in operating drainage enterprises.....acres..	59,050	87,339	40,276	215,859	248,896	8,389	280,847	6,185	11,213	7,180
3	Improved land.....acres..	49,497	77,982	40,142	141,782	196,085	7,823	217,623	4,785	8,659	6,466
4	Per cent of all improved land in farms.....	30.6	34.4	18.0	78.1	95.8	4.4	98.8	4.6	4.5	4.1
5	Timber and cut-over land.....acres..	8,623	4,963	134	18,625	51,615	566	41,676	990	1,371	569
6	Other unimproved land.....acres..	930	4,394	55,452	296	296	21,548	410	410	1,183	145
7	Swampy or subject to overflow, in enterprises.....acres..	1,439	5,924	500	228	6,735	166	7,865	89	110	145
8	Suffering a loss of crops from defective drainage.....acres..	332	500	110	2,245	48	7,865	89	89	110	145
9	Assessed acreage.....	68,050	96,119	41,422	539,899	271,660	8,389	301,680	6,185	11,213	7,180
10	Excess over all land in operating enterprises.....acres..	9,000	8,780	1,146	324,040	22,764					
DRAINAGE WORKS.											
Open ditches:											
11	Completed.....miles..	89.2	44.2	64.5	798.1	320.1	25.7	546.0		9.7	
12	Additional under construction.....miles..	0.8			0.2						
13	Maximum completed in any enterprise.....miles..	20.7	13.4	34.0	23.1	14.1	15.9	18.1		4.2	
14	Maximum width at bottom of ditch ².....feet..	50	7	60	15	30	27	34		8	
15	Maximum of average depths of outlet ditches ².....feet..	15.0	8.0	16.0	9.0	6.7	8.0	10.0		9.0	
16	Mean depth of branch ditches ².....feet..	5.8	4.0	7.1	5.9	3.4	5.0	5.1			
Tile drains:											
17	Completed.....miles..	4.4	104.1	1.0	369.4	228.1	0.2	84.6	15.2	22.7	22.1
18	Additional under construction.....miles..				12.0						
19	Maximum completed in any enterprise.....miles..	3.0	8.0	0.6	10.5	7.0	0.2	8.0	3.1	5.4	4.5
20	Maximum size of tile ².....inches..	24	30	12	30	24	15	36	24	30	24
Accessory levees and dikes:											
21	Completed.....miles..	10.9					0.3				
22	Additional under construction.....miles..	3.3									
Pumping plants:											
23	Engine capacity.....horsepower..	200									
24	Pump capacity.....gallons per minute..	12,000									
25	Area served by pumps.....acres..	1,200									
26	Area drained by open ditches only ².....acres..	32,388	32,357	33,090	77,925	99,464	3,039	206,387		2,182	
27	Length of these ditches.....miles..	86.1	35.5	56.0	536.7	212.9	9.8	439.7		9.2	
28	Average length per acre.....feet..	5.9	5.3	8.9	36.4	11.3	16.8	11.2		22.5	
29	Area having open ditches and levees ².....acres..	16,332									
30	Length of these ditches.....miles..	35.5									
31	Average length per acre.....feet..	11.5									
32	Length of the accessory levees.....miles..	14.1									
33	Area drained by tile only ².....acres..	650	39,827		35,447	47,829		17,082	6,185	5,916	7,180
34	Length of these tile.....miles..	3.0	80.4		185.3	145.0		41.2	15.2	15.4	22.1
35	Average length per acre.....feet..	24.4	10.7		27.6	16.0		12.7	13.0	13.7	16.3
36	Area drained by open ditches and tile ².....acres..	8,880	15,155	7,186	102,487	101,603		57,378		3,135	
37	Length of these drains.....miles..	17.3	32.4	9.5	457.7	190.3		149.7		7.8	
38	Average length per acre.....feet..	10.3	11.3	7.0	23.6	9.9		13.8		13.1	
39	Area having open ditches, tile drains, and levees ².....acres..	300					5,300				
40	Length of these drains.....miles..	2.5					16.1				
41	Average length per acre.....feet..	16.5					16.0				
42	Length of the accessory levees.....miles..	0.1					0.3				
DEVELOPMENT OF LAND.											
43	Improved land in operating enterprises, 1920.....acres..	49,497	77,982	40,142	141,782	196,085	7,823	217,623	4,785	8,659	6,466
44	Improved land prior to drainage.....acres..	40,385	45,023	32,516	100,709	188,833	5,252	160,821	4,135	5,737	5,739
45	Increase since drainage.....acres..	8,612	32,959	7,626	41,073	8,152	2,571	56,802	650	2,922	727
46	Per cent of increase.....	21.1	73.2	23.5	40.8	4.3	49.0	35.8	15.7	50.9	12.7
47	Per cent increase is of all improved land in farms, 1920.....	5.3	14.5	3.4	22.6	4.0	1.4	25.8	0.6	1.5	0.5
48	Timber and cut-over land, 1920.....acres..	8,623	4,963	134	18,625	51,615	566	41,676	990	1,371	569
49	Timber and cut-over land prior to drainage.....acres..	15,147	31,360	6,078	45,338	69,014	3,110	74,563	1,232	3,048	720
50	Decrease since drainage.....acres..	6,524	26,397	5,944	26,713	7,399	2,553	32,887	302	1,677	151
51	Per cent of decrease.....	43.1	54.2	97.8	58.9	12.5	81.9	44.1	23.4	55.0	21.0
52	Other unimproved land, 1920.....acres..	930	4,394		55,452	296		21,548	410	1,183	145
53	Other unimproved land prior to drainage.....acres..	3,018	10,956	1,682	69,812	1,049	18	45,463	758	2,428	721
54	Decrease since drainage.....acres..	2,088	6,562	1,682	14,360	753	18	23,915	348	1,245	576
55	Per cent of decrease.....	69.2	59.9	100.0	20.5	71.8	100.0	52.6	45.9	51.3	79.9
56	Swampy or subject to overflow, 1920.....acres..	1,439	5,924	500	228	6,735	166	7,865	89	110	145
57	Swampy or subject to overflow prior to drainage.....acres..	9,638	59,880	15,485	22,170	59,294	6,276	75,823	768	1,940	721
58	Decrease since drainage.....acres..	8,199	53,956	14,985	21,942	52,559	6,110	67,958	679	1,830	576
59	Per cent of decrease.....	85.1	90.1	96.8	99.0	88.6	97.4	89.6	88.4	94.3	79.9
CAPITAL INVESTED AND COST PER ACRE.											
60	Total capital invested in and required for completion of operating enterprises.....dollars..	391,223	224,420	104,304	879,466	422,035	60,697	523,692	23,484	97,839	49,333
61	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	380,223	224,420	104,304	841,020	422,035	60,697	523,692	23,484	97,839	49,333
62	Additional capital required to complete these enterprises.....dollars..	11,000			38,446						
63	Average cost per acre when completed.....dollars..	6.63	2.57	2.59	4.07	1.70	7.24	1.86	3.80	8.73	6.87
64	Enterprises constructing open ditches only.....dollars..	236,244	48,968	90,960	259,251	119,021	11,643	372,664		23,821	
65	Average cost per acre when completed.....dollars..	7.29	1.51	2.75	3.29	1.20	3.77	1.81		11.02	
66	Enterprises constructing open ditches and levees.....dollars..	106,661									
67	Average cost per acre when completed.....dollars..	6.53									
68	Enterprises constructing tile drains only.....dollars..	3,855	127,026		215,219	141,422		35,722	23,484	49,963	49,333
69	Average cost per acre when completed.....dollars..	5.93	3.19		6.07	2.96		2.09	3.80	8.45	6.87
70	Enterprises constructing open ditches and tile drains.....dollars..	37,499	48,426	13,344	407,996	161,592		115,306		24,055	
71	Average cost per acre when completed.....dollars..	4.22	3.20	1.86	3.98	1.59		2.01		7.67	
72	Enterprises constructing open ditches, tile drains, and levees.....dollars..	6,904					49,054				
73	Average cost per acre when completed.....dollars..	8.71					9.26				
CROPS.											
74	Improved land in enterprises reporting—										
75	Corn as principal crop on drained land.....acres..	49,497	77,585	39,502	106,670	196,965	7,598	217,623	4,785	8,659	6,466
76	Wheat as principal crop on drained land.....acres..		396	640	35,057						
77	Hay as principal crop on drained land.....acres..						225				
78	Oats as principal crop on drained land.....acres..										
79	Vegetables as principal crop on drained land.....acres..										
79	Not reporting principal crop on drained land.....acres..				55						

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.² When works under construction have been completed.³ The reported figures have been reduced by the same acreage as the improved land, 1920.

DRAINAGE—INDIANA.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Fulton.	Gibson.	Grant.	Greene.	Hamil- ton.	Han- cock.	Hen- dricks.	Henry.	How- ard.	Hunt- ington.	
LAND AREA.												
1	Approximate land area of the county.....	acres..	234,880	311,040	270,720	347,520	255,360	196,480	261,120	254,080	190,080	247,040
2	All land in operating drainage enterprises.....	acres..	221,911	190,403	221,636	51,077	128,591	141,119	106,094	129,478	154,655	210,132
3	Improved land.....	acres..	186,287	182,915	193,747	44,960	124,560	133,409	91,116	119,326	139,468	137,851
4	Per cent of all improved land in farms.....		99.4	77.3	88.3	18.9	59.4	79.9	46.1	56.5	86.0	70.3
5	Timber and cut-over land.....	acres..	15,482	3,979	21,643	5,880	4,031	7,710	14,978	10,152	15,169	51,379
6	Other unimproved land.....	acres..	20,142	3,509	6,246	737					18	20,902
7	Swampy or subject to overflow, in enterprises.....	acres..	280	3,740	6,410	12,455	807	393	1,379	11,839	164	20,647
8	Suffering a loss of crops from defective drainage.....	acres..	268	1,699	3,210	10,390	319	309		6,301	38	5,183
9	Assessed acreage.....		269,604	212,153	529,758	51,077	130,400	150,020	107,314	151,449	238,818	252,519
10	Excess over all land in operating enterprises.....	acres..	47,693	21,750	308,122		1,809	8,901	1,220	21,971	84,163	42,387
DRAINAGE WORKS.												
11	Open ditches:											
12	Completed.....	miles..	328.2	284.2	497.4	101.0	100.6	142.0	191.3	98.0	277.9	335.4
13	Additional under construction.....	miles..	1.0		1.1						8.3	10.6
14	Maximum completed in any enterprise.....	miles..	9.1	26.3	22.3	10.2	6.6	12.3	10.3	15.0	9.7	8.7
15	Maximum width at bottom of ditch.....	feet..	15	30	20	50	10	36	10	12	25	60
16	Maximum of average depths of outlet ditches.....	feet..	10.0	11.0	10.5	17.0	6.5	6.0	8.0	6.5	9.0	12.0
17	Mean depth of branch ditches.....	feet..	4.3	4.7	5.1	4.4	4.0	3.6	3.9	3.6	5.2	4.6
18	Tile drains:											
19	Completed.....	miles..	182.4	6.5	242.9	57.0	213.5	122.6	67.5	150.4	209.4	216.1
20	Additional under construction.....	miles..			3.9	70.0	1.3	2.6	1.8	2.6	0.1	3.5
21	Maximum completed in any enterprise.....	miles..	4.0	1.6	6.8	55.0	7.4	6.0	3.0	8.7	5.6	8.8
22	Maximum size of tile.....	inches..	20	22	30	20	48	30	33	30	30	27
23	Accessory levees and dikes:											
24	Completed.....	miles..				11.6						
25	Additional under construction.....	miles..										
26	Pumping plants:											
27	Engine capacity.....	horsepower..				400						
28	Pump capacity.....	gallons per minute..				43,000						
29	Area served by pumps.....	acres..				3,300						
30	Area drained by open ditches only.....	acres..	100,417	172,841	108,625	45,864	31,442	63,250	61,036	42,090	56,984	113,467
31	Length of these ditches.....	miles..	202.0	236.4	201.7	89.0	44.6	68.5	149.7	58.9	158.5	217.8
32	Average length per acre.....	feet..	10.6	7.2	14.2	10.4	7.5	8.2	12.9	6.8	14.7	10.1
33	Area having open ditches and levees.....	acres..				193						
34	Length of these ditches.....	miles..				0.3						
35	Average length per acre.....	feet..				8.2						
36	Length of the accessory levees.....	miles..				3.6						
37	Area drained by tile only.....	acres..	36,917	631	8,516		39,953	33,045	16,441	30,339	33,091	20,903
38	Length of these tile.....	miles..	98.1	2.0	127.5		115.8	79.1	41.2	69.0	101.1	106.9
39	Average length per acre.....	feet..	14.0	16.7	79.1		15.3	12.6	18.2	12.0	16.1	27.0
40	Area drained by open ditches and tile.....	acres..	84,577	16,931	104,495	1,720	57,196	44,824	28,617	57,049	64,580	75,762
41	Length of these drains.....	miles..	206.5	52.3	326.1	6.7	155.0	89.6	69.7	128.1	236.1	240.9
42	Average length per acre.....	feet..	12.9	16.3	10.5	20.6	14.3	10.6	12.9	11.9	19.3	16.8
43	Area having open ditches, tile drains, and levees.....	acres..				3,800						
44	Length of these drains.....	miles..				132.0						
45	Average length per acre.....	feet..				183.4						
46	Length of the accessory levees.....	miles..				8.0						
DEVELOPMENT OF LAND.												
47	Improved land in operating enterprises, 1920.....	acres..	186,287	182,915	193,747	44,960	124,560	133,409	91,116	119,326	139,468	137,851
48	Improved land prior to drainage.....	acres..	152,984	118,531	75,931	11,627	121,150	130,521	74,996	115,828	119,338	85,674
49	Increase since drainage.....	acres..	33,303	64,384	117,816	33,333	3,410	2,888	16,120	3,498	20,130	52,177
50	Per cent of increase.....		21.8	54.3	155.2	286.7	2.8	2.2	21.5	3.0	16.9	60.9
51	Per cent increase is of all improved land in farms, 1920.....		17.8	27.2	53.7	14.0	1.6	1.7	8.1	1.7	12.4	26.6
52	Timber and cut-over land, 1920.....	acres..	15,482	3,979	21,643	5,880	4,031	7,710	14,978	10,152	15,169	51,379
53	Timber and cut-over land prior to drainage.....	acres..	29,135	40,647	80,617	20,260	7,441	10,598	31,093	13,650	34,989	103,226
54	Decrease since drainage.....	acres..	13,653	36,668	64,974	14,880	3,410	2,888	16,120	3,498	19,820	51,847
55	Per cent of decrease.....		46.9	90.2	75.0	73.4	45.8	27.3	51.8	25.6	58.6	50.2
56	Other unimproved land, 1920.....	acres..	20,142	3,509	6,246	737					18	20,902
57	Other unimproved land prior to drainage.....	acres..	39,792	31,225	69,088	19,190					328	21,232
58	Decrease since drainage.....	acres..	19,650	27,716	52,842	18,453					310	330
59	Per cent of decrease.....		49.4	88.8	89.4	96.2					94.5	1.6
60	Swampy or subject to overflow, 1920.....	acres..	280	3,740	6,410	12,455	807	393	1,379	11,839	164	20,647
61	Swampy or subject to overflow prior to drainage.....	acres..	96,285	126,694	63,907	33,473	16,295	23,467	17,501	34,018	64,468	81,426
62	Decrease since drainage.....	acres..	96,005	122,954	57,497	21,018	15,488	23,074	16,122	22,179	64,304	60,779
63	Per cent of decrease.....		99.7	97.0	90.0	62.8	95.0	98.3	92.1	65.2	99.7	74.6
CAPITAL INVESTED AND COST PER ACRE.												
64	Total capital invested in and required for completion of operating enterprises.....	dollars..	364,509	576,984	731,674	441,491	272,971	272,631	212,894	355,443	515,217	625,794
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	364,509	576,984	710,207	411,491	272,700	264,887	205,894	349,243	473,761	498,145
66	Additional capital required to complete these enterprises.....	dollars..			21,467	30,000	271	7,744	7,000	6,200	41,456	127,649
67	Average cost per acre when completed.....	dollars..	1.64	3.03	3.30	8.64	2.12	1.93	2.01	2.75	3.33	2.98
68	Enterprises constructing open ditches only.....	dollars..	137,241	486,810	176,393	271,012	30,128	78,009	88,965	88,102	126,047	272,120
69	Average cost per acre when completed.....	dollars..	1.37	2.82	1.02	5.97	0.96	1.23	1.46	2.09	2.21	2.40
70	Enterprises constructing open ditches and levees.....	dollars..				519						
71	Average cost per acre when completed.....	dollars..				2.69						
72	Enterprises constructing tile drains only.....	dollars..	73,655	2,035	205,310		120,705	111,185	70,625	121,332	156,151	154,154
73	Average cost per acre when completed.....	dollars..	2.00	3.23	24.11		3.02	3.36	4.30	4.00	4.72	7.37
74	Enterprises constructing open ditches and tile drains.....	dollars..	153,613	88,139	349,965	8,900	122,138	83,437	53,304	146,009	233,019	199,520
75	Average cost per acre when completed.....	dollars..	1.82	5.21	3.35	5.21	2.14	1.86	1.86	2.56	3.61	2.63
76	Enterprises constructing open ditches, tile drains, and levees.....	dollars..				161,000						
77	Average cost per acre when completed.....	dollars..				42.37						
CROPS.												
78	Improved land in enterprises reporting—											
79	Corn as principal crop on drained land.....	acres..	186,287	182,915	191,709	44,960	124,560	133,409	91,116	119,326	139,468	137,851
80	Wheat as principal crop on drained land.....	acres..										
81	Hay as principal crop on drained land.....	acres..			2,038							
82	Oats as principal crop on drained land.....	acres..										
83	Vegetables as principal crop on drained land.....	acres..										
84	Not reporting principal crop on drained land.....	acres..										

*When works under construction have been completed.

DRAINAGE—INDIANA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Jack- son.	Jasper.	Jay.	Jen- nings.	John- son.	Knox.	Kosci- usko.	La- grange.	Lake.	La Porta.
LAND AREA.											
1	Approximate land area of the county.....acres..	331,520	359,680	240,000	245,120	206,080	323,400	346,240	247,680	314,880	380,800
2	All land in operating drainage enterprises.....acres..	46,281	126,649	179,712	4,000	33,544	112,496	308,708	192,212	112,008	180,843
3	Improved land.....acres..	39,332	105,472	161,252	3,080	31,709	95,299	229,035	141,370	82,614	162,769
4	Per cent of all improved land in farms.....	19.0	42.3	80.0	1.9	19.3	36.5	91.8	79.7	45.5	58.1
5	Timber and cut-over land.....acres..	4,637	20,558	13,090	890	1,835	7,500	47,687	27,991	867	4,192
6	Other unimproved land.....acres..	2,312	619	5,370	120	.....	9,697	31,986	22,851	28,527	13,892
7	Swampy or subject to overflow, in enterprises.....acres..	3	14,616	24	120	1,047	11,809	18,799	17,516	28,755	21,082
8	Suffering a loss of crops from defective drainage.....acres..	3	13,536	10	120	432	10,220	13,765	17,370	26,755	13,450
9	Assessed acreage.....acres..	46,610	762,691	647,994	4,000	33,544	112,496	346,886	193,739	199,545	293,318
10	Excess over all land in operating enterprises.....acres..	329	636,042	488,282	.....	.....	.....	638,178	1,527	87,537	112,475
DRAINAGE WORKS.											
11	Open ditches:										
12	Completed.....miles.....	35.6	434.5	367.2	6.9	50.0	207.7	577.8	317.2	261.0	312.1
13	Additional under construction.....miles.....	.....	6.6	.....	.....	.....	.....	.....	.....	2.7	0.3
14	Maximum completed in any enterprise.....miles.....	13.0	100.0	21.9	2.9	3.5	43.4	16.6	18.0	23.0	25.0
15	Maximum width at bottom of ditch.....feet.....	28	100	65	13	3	30	42	46	100	90
16	Maximum of average depths of outlet ditches.....feet.....	14.0	15.0	11.1	8.0	4.0	12.0	9.0	10.6	27.5	12.0
17	Mean depth of branch ditches.....feet.....	8.8	6.8	3.9	.....	.....	6.1	4.5	4.4	5.3	6.0
18	Tile drains:										
19	Completed.....miles.....	.....	226.8	175.2	.....	20.7	9.4	388.0	119.8	21.6	89.2
20	Additional under construction.....miles.....	.....	3.8	0.2	.....	.....	.....	1.0	3.5	5.5	0.6
21	Maximum completed in any enterprise.....miles.....	.....	100.0	9.3	.....	2.1	7.6	12.6	15.9	3.5	75.0
22	Maximum size of tile.....inches.....	.....	30	30	.....	24	24	30	24	36	18
23	Accessory levees and dikes:										
24	Completed.....miles.....	.....	9.9	.....	.....	.....	5.5	.....	.....	12.9	.....
25	Additional under construction.....miles.....	.....	1.2	.....	.....	.....	.....	.....	.....	0.3	.....
26	Pumping plants:										
27	Engine capacity.....horsepower.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Pump capacity.....gallons per minute.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Area served by pumps.....acres.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Area drained by open ditches only.....acres.....	46,281	61,988	76,095	4,000	21,238	105,771	181,717	97,783	77,431	176,703
31	Length of these ditches.....miles.....	35.6	216.7	206.4	6.9	42.8	194.8	362.9	208.0	203.6	295.8
32	Average length per acre.....feet.....	4.1	18.5	14.3	9.1	10.6	9.7	10.5	11.2	13.9	8.8
33	Area having open ditches and levees.....acres.....	.....	50,845	.....	.....	.....	1,094	.....	.....	16,173	.....
34	Length of these ditches.....miles.....	.....	12.0	.....	.....	.....	5.6	.....	.....	16.6	.....
35	Average length per acre.....feet.....	.....	1.2	.....	.....	.....	27.0	.....	.....	5.4	.....
36	Length of the accessory levees.....miles.....	.....	11.1	.....	.....	.....	5.5	.....	.....	13.2	.....
37	Area drained by tile only.....acres.....	.....	5,278	19,240	.....	6,772	1,151	32,178	12,991	4,183	500
38	Length of these tile.....miles.....	.....	80.1	79.3	.....	17.6	7.6	212.0	41.1	8.8	0.6
39	Average length per acre.....feet.....	.....	80.1	21.8	.....	13.7	34.9	34.8	16.7	11.1	6.3
40	Area drained by open ditches and tile.....acres.....	.....	8,538	84,377	.....	5,534	4,480	94,813	81,438	14,221	3,640
41	Length of these drains.....miles.....	.....	362.9	256.9	.....	10.3	9.1	391.9	191.4	61.8	105.8
42	Average length per acre.....feet.....	.....	10.1	.....	.....	9.8	10.7	21.8	12.4	22.9	153.5
43	Area having open ditches, tile drains, and levees.....acres.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Length of these drains.....miles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Average length per acre.....feet.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees.....miles.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.											
47	Improved land in operating enterprises, 1920.....acres.....	39,332	105,472	161,252	3,080	31,709	95,299	229,035	141,370	82,614	162,769
48	Improved land prior to drainage.....acres.....	20,842	69,202	126,053	2,400	30,552	37,931	180,039	104,797	21,049	31,451
49	Increase since drainage.....acres.....	18,490	36,270	35,194	680	1,157	57,318	48,996	36,573	61,565	131,278
50	Per cent of increase.....	88.7	52.4	27.9	28.3	3.8	150.9	27.2	34.9	292.5	417.0
51	Per cent increase is of all improved land in farms, 1920.....	8.9	14.5	17.5	0.4	0.7	21.9	19.6	20.6	33.9	46.8
52	Timber and cut-over land, 1920.....acres.....	4,637	20,558	13,090	800	1,835	7,500	47,687	27,991	867	4,192
53	Timber and cut-over land prior to drainage.....acres.....	13,833	38,579	41,750	1,200	2,992	17,815	62,383	61,429	1,468	29,716
54	Decrease since drainage.....acres.....	9,246	18,021	28,660	400	1,157	10,315	14,696	33,438	601	25,524
55	Per cent of decrease.....	66.6	43.7	68.6	33.3	38.7	57.9	23.6	54.4	40.9	85.9
56	Other unimproved land, 1920.....acres.....	2,312	619	5,370	120	.....	9,697	31,986	22,851	28,527	13,892
57	Other unimproved land prior to drainage.....acres.....	11,556	18,808	11,904	400	.....	56,700	66,256	26,986	89,491	119,646
58	Decrease since drainage.....acres.....	9,244	18,249	6,534	280	.....	47,003	34,300	3,136	60,964	105,764
59	Per cent of decrease.....	80.0	96.7	54.9	70.0	.....	82.9	51.7	12.1	68.1	88.4
60	Swampy or subject to overflow, 1920.....acres.....	3	14,616	24	120	1,047	11,809	18,799	17,516	26,755	21,082
61	Swampy or subject to overflow prior to drainage.....acres.....	25,410	50,190	51,922	400	3,611	63,289	40,655	60,240	89,481	142,315
62	Decrease since drainage.....acres.....	25,407	35,574	51,898	280	2,564	51,480	21,856	42,724	62,726	121,233
63	Per cent of decrease.....	100.0	70.9	100.0	70.0	71.0	81.3	53.8	70.9	70.1	85.2
CAPITAL INVESTED AND COST PER ACRE.											
64	Total capital invested in and required for completion of operating enterprises.....dollars.....	141,271	1,346,359	940,294	22,800	42,843	549,729	1,054,797	427,192	527,837	770,362
65	Capital invested in these enterprises to Dec. 31, 1919.....dollars.....	141,271	1,306,633	940,130	22,800	42,843	549,729	1,054,797	416,242	513,174	768,462
66	Additional capital required to complete these enterprises.....dollars.....	.....	39,726	164	.....	.....	.....	.....	10,950	14,663	1,900
67	Average cost per acre when completed.....dollars.....	3.05	10.63	5.23	5.70	1.23	4.89	3.42	2.22	4.71	4.26
68	Enterprises constructing open ditches only.....dollars.....	141,271	483,583	581,282	22,800	14,458	516,992	335,495	127,293	305,349	701,994
69	Average cost per acre when completed.....dollars.....	3.05	7.80	7.64	5.70	0.68	4.89	1.85	1.30	102,851	3.87
70	Enterprises constructing open ditches and levees.....dollars.....	.....	150,122	.....	.....	.....	3,940	.....	.....	8,33	.....
71	Average cost per acre when completed.....dollars.....	.....	2.85	.....	.....	.....	3.60	.....	.....	0.83	.....
72	Enterprises constructing tile drains only.....dollars.....	.....	128,708	91,803	.....	18,010	13,047	276,576	40,873	18,121	1,200
73	Average cost per acre when completed.....dollars.....	.....	2.66	4.75	.....	11.34	8.60	8.15	4.33	4.33	2.40
74	Enterprises constructing open ditches and tile drains.....dollars.....	.....	583,886	267,709	.....	10,377	15,760	442,726	259,026	102,016	67,168
75	Average cost per acre when completed.....dollars.....	.....	3.17	.....	.....	1.88	3.52	4.67	3.18	7.17	13.45
76	Enterprises constructing open ditches, tile drains, and levees.....dollars.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Average cost per acre when completed.....dollars.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.											
78	Improved land in enterprises reporting—										
79	Corn as principal crop on drained land.....acres.....	39,332	64,763	161,252	3,080	31,709	90,364	219,505	140,474	20,391	30,100
80	Wheat as principal crop on drained land.....acres.....	.....	1,891	.....	.....	.....	4,935	9,186	.....	39,024	132,659
81	Hay as principal crop on drained land.....acres.....	.....	.....	.....	.....	.....	.....	.....	.....	4,703	.....
82	Oats as principal crop on drained land.....acres.....	.....	.....	.....	.....	.....	.....	.....	.....	1,614	.....
83	Vegetables as principal crop on drained land.....acres.....	.....	.....	.....	.....	.....	.....	.....	.....	16,882	.....
84	Not reporting principal crop on drained land.....acres.....	.....	38,823	.....	.....	.....	.....	.....	.....	.....	.....

1 Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

2 When works under construction have been completed.

3 Additional area reported under other classifications.

4 The reported figures have been reduced by the same acreage as the improved land, 1920.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Madison.	Marion.	Marshall.	Miami.	Montgomery.	Morgan.	Newton.	Noble.	Owen.	Parke.	
LAND AREA.												
1	Approximate land area of the county.....	acres..	288,000	254,080	282,240	243,840	320,640	259,840	259,200	266,880	251,520	286,080
2	All land in operating drainage enterprises.....	acres..	228,999	40,309	256,037	201,728	77,573	29,147	172,687	198,866	6,540	12,399
3	Improved land.....	acres..	210,573	39,439	200,796	182,089	59,491	24,773	146,033	151,554	5,532	10,539
4	Per cent of all improved land in farms.....	.....	89.0	23.6	95.7	97.4	24.0	15.2	79.6	76.2	3.8	6.5
5	Timber and cut-over land.....	acres..	16,087	870	36,770	19,532	8,230	2,921	13,118	23,759	882	1,860
6	Other unimproved land.....	acres..	.....	.....	18,471	107	9,852	1,453	13,536	23,553	126	.....
7	Swampy or subject to overflow, in enterprises.....	acres..	9,572	1,925	4,330	26	2,252	1	4,141	20,581	1,018	259
8	Suffering a loss of crops from defective drainage.....	acres..	2,675	1,026	3,100	3	2,251	.....	4,141	13,255	506	96
9	Assessed acreage.....	.....	336,502	41,569	682,269	248,482	79,807	49,947	476,572	345,759	6,540	12,399
10	Excess over all land in operating enterprises.....	acres..	109,842	1,200	426,232	46,754	2,324	20,800	303,885	146,893	.....	.....
DRAINAGE WORKS.												
11	Open ditches:											
12	Completed.....	miles..	427.6	77.0	571.3	248.0	67.0	49.2	244.1	459.5	11.0	13.0
13	Additional under construction.....	miles..	.....	.....	3.6	.....	6.0	.....	.....	0.1	.....	.....
14	Maximum completed in any enterprise.....	miles..	14.0	7.6	24.0	13.5	7.9	6.5	23.1	53.0	5.1	3.6
15	Maximum width at bottom of ditch.....	feet..	30	15	40	25	10	24	100	16	50	4
16	Maximum of average depths of outlet ditches.....	feet..	7.0	8.0	16.0	9.0	11.9	12.0	16.4	12.7	13.0	7.0
17	Mean depth of branch ditches.....	feet..	3.9	.....	4.4	6.6	3.7	4.9	6.1	5.2	4.0	.....
18	Tile drains:											
19	Completed.....	miles..	290.6	7.8	217.2	167.8	98.0	1.3	78.0	317.4	1.9	1.0
20	Additional under construction.....	miles..	1.9	0.7	1.5	.....	2.2	.....	0.3	.....	.....	.....
21	Maximum completed in any enterprise.....	miles..	8.4	1.6	8.2	5.6	6.7	1.3	8.0	19.6	1.0	1.0
22	Maximum size of tile.....	inches..	40	18	30	24	27	16	30	30	16	15
23	Accessory levees and dikes:											
24	Completed.....	miles..	.....	2.8	.....	.....	.....	.....	1.9	.....	.....	21.0
25	Additional under construction.....	miles..	.....	.....	.....	.....	.....	.....	0.2	.....	.....	.....
26	Pumping plants:											
27	Engine capacity.....	horsepower..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Pump capacity.....	gallons per minute..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Area served by pumps.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Area drained by open ditches only.....	acres..	137,947	30,144	155,398	115,209	22,680	28,517	130,271	84,092	5,150	1,255
31	Length of these ditches.....	miles..	359.9	58.0	414.3	137.6	38.3	47.7	182.0	228.2	8.0	7.0
32	Average length per acre.....	feet..	13.8	10.2	14.1	6.3	8.9	8.8	7.4	14.2	8.2	29.5
33	Area having open ditches and levees.....	acres..	.....	2,232	.....	.....	.....	.....	8,538	.....	.....	10,724
34	Length of these ditches.....	miles..	.....	1.0	.....	.....	.....	.....	2.3	.....	.....	4.5
35	Average length per acre.....	feet..	.....	2.4	.....	.....	.....	.....	1.4	.....	.....	2.2
36	Length of the accessory levees.....	miles..	.....	2.8	.....	.....	.....	.....	2.1	.....	.....	21.0
37	Area drained by tile only.....	acres..	46,150	1,569	23,911	17,952	18,545	.....	15,007	27,362	.....	.....
38	Length of these tile.....	miles..	201.0	3.5	115.5	70.9	55.3	.....	35.1	149.1	.....	.....
39	Average length per acre.....	feet..	23.0	11.8	25.5	20.9	15.7	.....	12.3	28.8	.....	.....
40	Area drained by open ditches and tile.....	acres..	42,563	6,364	76,728	68,507	36,348	630	18,871	86,812	1,390	420
41	Length of these drains.....	miles..	159.2	23.0	263.8	207.9	79.6	2.8	103.0	309.7	4.9	2.5
42	Average length per acre.....	feet..	19.7	19.1	18.2	16.0	11.6	23.5	28.8	24.3	18.6	31.4
43	Area having open ditches, tile drains, and levees.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Length of these drains.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.												
47	Improved land in operating enterprises, 1920.....	acres..	210,573	39,439	200,796	182,089	59,491	24,773	146,033	151,554	5,532	10,539
48	Improved land prior to drainage.....	acres..	202,795	38,626	140,912	160,583	45,355	11,674	112,706	112,991	4,992	7,304
49	Increase since drainage.....	acres..	7,778	813	53,884	21,506	14,136	13,099	33,267	38,563	540	3,175
50	Per cent of increase.....	.....	3.8	2.1	86.7	11.5	5.7	8.0	18.1	10.4	0.4	1.9
51	Per cent increase is of all improved land in farms, 1920.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52	Timber and cut-over land, 1920.....	acres..	16,087	870	36,770	19,532	8,230	2,921	13,118	23,759	882	1,860
53	Timber and cut-over land prior to drainage.....	acres..	23,865	1,683	68,506	40,930	14,469	14,558	25,093	60,376	1,338	5,035
54	Decrease since drainage.....	acres..	7,778	813	31,736	21,398	6,239	11,637	12,875	36,617	450	3,175
55	Per cent of decrease.....	.....	32.0	48.3	46.3	52.3	43.1	79.9	49.5	60.6	34.1	63.1
56	Other unimproved land, 1920.....	acres..	.....	.....	18,471	107	9,852	1,453	13,536	23,553	126	.....
57	Other unimproved land prior to drainage.....	acres..	.....	.....	40,619	215	17,749	2,915	33,928	25,499	210	.....
58	Decrease since drainage.....	acres..	.....	.....	22,148	108	7,897	1,462	20,392	1,946	84	.....
59	Per cent of decrease.....	.....	.....	.....	54.5	50.2	44.5	50.2	60.1	7.6	40.0	.....
60	Swampy or subject to overflow, 1920.....	acres..	9,572	1,925	4,330	26	2,252	1	4,141	20,581	1,018	259
61	Swampy or subject to overflow prior to drainage.....	acres..	67,442	8,170	20,300	69,849	13,676	8,735	36,445	50,903	2,898	1,990
62	Decrease since drainage.....	acres..	57,870	6,245	16,030	69,823	11,424	8,734	32,304	39,322	1,880	1,731
63	Per cent of decrease.....	.....	85.8	76.4	78.7	100.0	83.5	100.0	88.6	65.6	64.9	87.0
CAPITAL INVESTED AND COST PER ACRE.												
64	Total capital invested in and required for completion of operating enterprises.....	dollars..	730,276	97,719	803,208	497,034	210,245	70,813	631,742	788,434	60,514	53,425
65	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	722,012	95,615	793,383	497,034	183,569	70,813	630,390	788,295	60,514	53,425
66	Additional capital required to complete these enterprises.....	dollars..	8,264	2,104	9,825	.....	26,676	.....	1,352	139	.....	.....
67	Average cost per acre when completed.....	dollars..	3.22	2.42	3.14	2.46	2.71	2.43	3.66	3.96	9.25	4.31
68	Enterprises constructing open ditches only.....	dollars..	253,877	66,070	358,118	148,802	43,456	66,813	399,401	164,960	47,499	3,232
69	Average cost per acre when completed.....	dollars..	1.84	2.19	2.30	1.29	1.92	2.34	3.07	1.95	0.22	2.58
70	Enterprises constructing open ditches and levees.....	dollars..	.....	11,500	.....	.....	.....	.....	27,032	.....	.....	47,714
71	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	3.17	.....	.....	4.45
72	Enterprises constructing tile drains only.....	dollars..	265,270	7,000	128,468	87,675	61,481	.....	52,333	174,389	.....	.....
73	Average cost per acre when completed.....	dollars..	5.75	4.50	5.37	4.38	3.32	.....	3.49	6.37	.....	.....
74	Enterprises constructing open ditches and tile drains.....	dollars..	211,129	13,089	316,622	200,557	105,308	4,000	152,976	449,085	13,015	2,479
75	Average cost per acre when completed.....	dollars..	4.96	2.06	4.13	3.80	2.90	6.35	8.11	5.17	9.36	5.90
76	Enterprises constructing open ditches, tile drains, and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.												
78	Improved land in enterprises reporting—											
79	Corn as principal crop on drained land.....	acres..	210,115	39,439	200,796	182,089	59,491	24,773	146,033	151,551	5,532	10,539
80	Wheat as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	Hay as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82	Oats as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Vegetables as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Not reporting principal crop on drained land.....	acres..	458	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

² When works under construction have been completed.

³ The reported figures have been reduced by the same acreage as the improved land, 1920.

DRAINAGE—INDIANA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Pike.	Porter.	Posey.	Pulaski.	Putnam.	Randolph.	Rush.	St. Joseph.	Scott.	Shelby.	
LAND AREA.												
1	Approximate land area of the county.....	acres..	216,320	265,600	257,280	276,480	309,120	286,080	261,760	294,400	121,600	280,480
2	All land in operating drainage enterprises.....	acres..	32,152	149,323	140,970	135,754	5,225	59,618	101,373	198,571	11,895	80,508
3	Improved land.....	acres..	31,298	121,331	145,117	121,510	4,198	53,659	87,969	170,763	10,707	75,636
4	Per cent of all improved land in farms.....		20.3	64.9	68.5	59.8	2.2	22.2	39.5	79.3	13.9	34.1
5	Timber and cut-over land.....	acres..	864	25,584	1,711	11,313	1,027	3,626	13,404	11,912	594	4,872
6	Other unimproved land.....	acres..	2,408	142	2,981	.....	2,333	.....	15,896	594	.....	.....
7	Swampy or subject to overflow, in enterprises.....	acres..	669	10,918	627	3,323	76	.....	3,233	7,380	.....	9,556
8	Suffering a loss of crops from defective drainage.....	acres..	193	7,518	176	809	.....	3,231	5,889	.....	.....	.....
9	Assessed acreage.....	acres..	32,152	185,424	149,264	166,731	6,025	59,796	102,254	345,877	11,895	80,890
10	Excess over all land in operating enterprises.....	acres..	.....	86,101	2,294	30,977	800	178	881	147,306	.....	382
DRAINAGE WORKS.												
Open ditches:												
11	Completed.....	miles..	56.4	228.9	133.5	154.7	47.1	17.8	135.8	442.0	19.0	182.8
12	Additional under construction.....	miles..	.....	2.8	.....	3.8	.....	.....	.....	.....	.....	.....
13	Maximum completed in any enterprise.....	miles..	18.0	19.2	41.6	41.8	45.0	2.8	6.9	21.2	10.0	6.2
14	Maximum width at bottom of ditch.....	feet..	20	100	40	40	14	10	5	35	28	10
15	Maximum of average depths of outlet ditches.....	feet..	10.0	10.0	9.0	15.0	10.0	6.2	4.5	12.0	12.0	4.0
16	Mean depth of branch ditches.....	feet..	4.7	4.0	6.0	5.5	6.5	3.6	3.0	4.8	4.0	.....
Tile drains:												
17	Completed.....	miles..	0.2	81.7	0.3	65.2	7.7	75.9	145.0	66.7	.....	60.6
18	Additional under construction.....	miles..	.....	.....	.....	.....	.....	1.8	4.9	.....	.....	.....
19	Maximum completed in any enterprise.....	miles..	0.2	12.4	0.8	8.0	2.2	6.0	5.0	7.0	.....	3.4
20	Maximum size of tile.....	inches..	10	20	10	24	20	30	24	24	.....	24
Accessory levees and dikes:												
21	Completed.....	miles..	.....	16.4	12.0	.....	.....	.....	.....	.....	.....	0.1
22	Additional under construction.....	miles..	.....	1.2	.....	.....	.....	.....	.....	.....	.....	.....
Pumping plants:												
23	Engine capacity.....	horsepower..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	Pump capacity.....	gallons per minute..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Area served by pumps.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Area drained by open ditches only.....	acres..	30,891	54,436	28,185	91,765	2,540	3,678	43,742	151,056	11,895	50,123
27	Length of these ditches.....	miles..	53.2	120.1	71.6	140.3	46.4	5.7	121.3	330.0	19.0	165.6
28	Average length per acre.....	feet..	9.1	11.6	13.4	8.1	94.4	8.2	14.6	11.5	8.4	17.4
29	Area having open ditches and levees.....	acres..	.....	32,358	95,085	.....	.....	.....	.....	.....	.....	.....
30	Length of these ditches.....	miles..	.....	27.0	41.6	.....	.....	.....	.....	.....	.....	.....
31	Average length per acre.....	feet..	.....	4.4	2.3	.....	.....	.....	.....	.....	.....	.....
32	Length of the accessory levees.....	miles..	.....	17.6	12.0	.....	.....	.....	.....	.....	.....	.....
33	Area drained by tile only.....	acres..	.....	10,814	.....	36,264	1,680	13,969	44,276	4,324	.....	10,744
34	Length of these tile.....	miles..	.....	36.9	.....	58.7	5.4	45.2	128.3	32.3	.....	47.4
35	Average length per acre.....	feet..	.....	18.0	.....	8.5	17.0	17.1	15.3	30.4	.....	12.7
36	Area drained by open ditches and tile.....	acres..	1,261	51,715	23,700	7,725	1,005	41,971	13,355	43,191	.....	9,842
37	Length of these drains.....	miles..	3.4	129.4	20.6	24.7	4.0	44.6	36.1	146.4	.....	28.2
38	Average length per acre.....	feet..	14.2	13.2	4.6	16.9	21.0	5.6	14.3	17.9	.....	15.1
39	Area having open ditches, tile drains, and levees.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	799
40	Length of these drains.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.2
41	Average length per acre.....	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.5
42	Length of the accessory levees.....	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.1
DEVELOPMENT OF LAND.												
43	Improved land in operating enterprises, 1920.....	acres..	31,298	121,331	145,117	121,510	4,198	53,659	87,969	170,763	10,707	75,636
44	Improved land prior to drainage.....	acres..	10,118	78,784	124,245	56,704	3,569	42,027	75,953	109,680	7,135	74,545
45	Increase since drainage.....	acres..	16,180	42,547	20,872	64,806	629	11,632	12,016	61,083	3,572	1,291
46	Per cent of increase.....		94.2	54.1	16.8	114.3	17.6	27.7	15.8	55.7	50.1	1.7
47	Per cent increase is of all improved land in farms, 1920.....		9.9	22.8	9.9	31.9	0.3	4.8	5.4	28.4	4.7	0.6
48	Timber and cut-over land, 1920.....	acres..	864	25,584	1,711	11,313	1,027	3,626	13,404	11,912	594	4,872
49	Timber and cut-over land prior to drainage.....	acres..	16,034	40,954	22,339	64,824	1,271	9,879	25,420	48,183	2,380	6,163
50	Decrease since drainage.....	acres..	15,180	15,370	20,628	53,511	244	6,253	12,016	36,271	1,786	1,291
51	Per cent of decrease.....		94.7	37.5	92.3	82.5	19.2	63.3	47.3	75.3	75.0	20.9
52	Other unimproved land, 1920.....	acres..	2,408	142	2,981	.....	2,333	.....	15,896	594	.....	.....
53	Other unimproved land prior to drainage.....	acres..	29,635	386	14,226	.....	386	7,712	40,708	2,380	.....	.....
54	Decrease since drainage.....	acres..	27,227	244	11,295	.....	386	5,379	24,812	1,786	.....	.....
55	Per cent of decrease.....		61.9	63.2	79.4	.....	100.0	69.7	61.0	75.0	.....	.....
56	Swampy or subject to overflow, 1920.....	acres..	669	10,918	627	3,323	76	.....	3,233	7,380	.....	9,556
57	Swampy or subject to overflow prior to drainage.....	acres..	27,633	54,471	82,188	103,341	566	13,469	4,193	39,249	4,758	29,826
58	Decrease since drainage.....	acres..	26,964	43,553	81,561	100,018	490	13,469	960	31,869	4,758	20,270
59	Per cent of decrease.....		97.6	80.0	99.2	96.8	86.6	100.0	22.9	81.2	100.0	68.0
CAPITAL INVESTED AND COST PER ACRE.												
60	Total capital invested in and required for completion of operating enterprises.....	dollars..	133,763	582,404	210,000	489,650	24,965	142,965	462,811	498,766	78,689	142,927
61	Capital invested in these enterprises to Dec. 31, 1919.....	dollars..	133,763	572,204	210,000	482,276	24,965	139,112	462,811	498,766	78,689	142,927
62	Additional capital required to complete these enterprises.....	dollars..	.....	10,200	.....	7,374	.....	3,853	.....	.....	.....	.....
63	Average cost per acre when completed.....	dollars..	4.16	3.90	1.43	3.61	4.78	2.40	4.67	2.51	6.62	1.78
64	Enterprises constructing open ditches only.....	dollars..	131,119	228,006	48,337	389,619	10,255	5,809	165,142	293,387	78,689	68,997
65	Average cost per acre when completed.....	dollars..	4.24	4.19	1.71	4.25	4.04	1.58	3.78	1.94	6.62	1.38
66	Enterprises constructing open ditches and levees.....	dollars..	.....	128,524	112,500	.....	.....	.....	.....	.....	.....	.....
67	Average cost per acre when completed.....	dollars..	.....	3.97	1.18	.....	.....	.....	.....	.....	.....	.....
68	Enterprises constructing tile drains only.....	dollars..	.....	48,835	.....	77,746	8,293	71,350	248,368	37,815	.....	55,209
69	Average cost per acre when completed.....	dollars..	.....	4.52	.....	2.14	4.94	5.11	5.61	8.75	.....	2.80
70	Enterprises constructing open ditches and tile drains.....	dollars..	2,644	177,039	49,163	22,285	6,417	65,806	49,301	167,504	14,093	14,093
71	Average cost per acre when completed.....	dollars..	2.10	3.42	2.07	2.88	6.39	1.67	3.69	3.88	.....	1.43
72	Enterprises constructing open ditches, tile drains, and levees.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	4,538
73	Average cost per acre when completed.....	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	5.08
CROPS.												
74	Improved land in enterprises reporting—											
75	Corn as principal crop on drained land.....	acres..	29,634	7,732	145,117	120,497	4,198	53,659	87,969	165,604	10,707	75,636
76	Wheat as principal crop on drained land.....	acres..	.....	91,747	.....	1,013	.....	.....	.....	5,159	.....	.....
77	Hay as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	Oats as principal crop on drained land.....	acres..	.....	856	.....	.....	.....	.....	.....	.....	.....	.....
79	Vegetables as principal crop on drained land.....	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
80	Not reporting principal crop on drained land.....	acres..	1,604	20,996	.....	.....	.....	.....	.....	.....	.....	.....

1 When works under construction have been completed.

DRAINAGE—INDIANA.

COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Spencer.	Starke.	Steuben.	Sullivan.	Tippecanoe.	Tipton.	Union.	Vanderburg.	Vermillion.	Vigo.
LAND AREA.											
1	Approximate land area of the county.....acres..	257,920	195,200	195,200	294,400	321,920	166,400	103,680	149,120	162,560	261,760
2	All land in operating drainage enterprises.....acres..	58,143	181,208	133,743	22,958	91,795	155,109	4,640	53,014	6,548	50,835
3	Improved land.....acres..	85,109	119,310	86,495	21,091	78,522	140,851	3,748	48,680	5,292	48,019
4	Per cent of all improved land in farms.....	45.1	97.5	61.5	10.0	29.9	99.0	4.8	42.8	5.2	26.7
5	Timber and cut-over land.....acres..	3,034	58,252	15,106	1,867	8,098	14,227	562	3,779	1,256	2,816
6	Other unimproved land.....acres..	.....	8,646	32,142	.....	5,175	31	330	555	.....	.....
7	Swampy or subject to overflow, in enterprises.....acres..	926	3,255	2,669	5,925	643	28,142	20	10,597	132	578
8	Suffering a loss of crops from defective drainage.....acres..	374	1,941	979	246	979	9,757	20	1,556	.....	.....
9	Assessed acreage.....	94,222	487,275	160,704	24,589	91,890	388,247	4,640	53,398	6,548	50,894
10	Excess over all land in operating enterprises.....acres..	6,079	306,067	26,961	1,631	95	238,138	.....	384	.....	59
DRAINAGE WORKS.											
11	Open ditches:										
12	Completed.....miles..	198.8	637.5	352.5	41.8	31.7	558.4	.....	119.0	11.9	91.9
13	Additional under construction.....miles..	.....	31.9	1.6	1.5	.....	.....	.....	.....	.....	.....
14	Maximum completed in any enterprise.....miles..	18.3	28.8	37.7	12.7	5.2	11.0	.....	10.4	5.8	13.2
15	Maximum width at bottom of ditch.....feet..	30	100	12	30	30	12	.....	16	4	30
16	Maximum of average depths of outlet ditches.....feet..	14.0	15.0	10.0	10.0	7.9	9.0	.....	9.0	5.5	15.0
17	Mean depth of branch ditches.....feet..	4.3	5.1	7.5	4.9	4.3	3.6	.....	.....	4.0	4.3
18	Tile drains:										
19	Completed.....miles..	7.4	35.3	248.2	11.7	213.5	253.5	18.1	3.4	2.4	1.6
20	Additional under construction.....miles..	.....	1.3	6.7	0.3	2.8	.....	.....	.....	.....	.....
21	Maximum completed in any enterprise.....miles..	2.0	10.0	6.9	5.2	21.2	6.4	5.0	1.5	1.3	1.6
22	Maximum size of tile.....inches..	12	20	30	18	30	36	24	18	12	20
23	Accessory levees and dikes:										
24	Completed.....miles..	.....	4.0	.....	18.2	.....	.....	.....	.....	.....	35.8
25	Additional under construction.....miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.0
26	Pumping plants:										
27	Engine capacity.....horsepower..	.....	.....	.....	25	.....	.....	.....	.....	.....	(²)
28	Pump capacity.....gallons per minute..	.....	.....	.....	348	.....	.....	.....	.....	.....	(²)
29	Area served by pumps.....acres..	.....	.....	.....	811	.....	.....	.....	.....	.....	800
30	Area drained by open ditches only.....acres..	81,281	162,247	82,293	5,193	1,400	127,137	.....	50,886	2,337	15,955
31	Length of these ditches.....miles..	180.7	580.5	218.5	18.8	1.0	494.6	.....	115.4	3.2	39.4
32	Average length per acre.....feet..	11.7	18.9	14.0	14.0	3.8	20.5	.....	12.0	7.2	13.0
33	Area having open ditches and levees.....acres..	.....	(⁴)	.....	2,290	.....	.....	.....	.....	.....	34,280
34	Length of these ditches.....miles..	.....	1.6	.....	7.8	.....	.....	.....	.....	.....	52.5
35	Average length per acre.....feet..	.....	.....	.....	18.0	.....	.....	.....	.....	.....	8.1
36	Length of the accessory levees.....miles..	.....	1.5	.....	7.8	.....	.....	.....	.....	.....	38.8
37	Area drained by tile only.....acres..	737	1,386	14,247	.....	38,438	14,051	4,640	713	.....	800
38	Length of these tile.....miles..	2.7	11.8	116.8	.....	124.2	218.6	18.1	2.3	.....	1.6
39	Average length per acre.....feet..	19.3	45.0	43.3	.....	17.1	82.1	20.6	17.0	.....	14.1
40	Area drained by open ditches and tile.....acres..	6,125	17,575	37,203	1,664	51,957	13,921	.....	1,415	4,211	.....
41	Length of these drains.....miles..	22.8	99.6	273.7	10.5	122.8	98.7	.....	4.7	11.1	.....
42	Average length per acre.....feet..	19.7	29.9	38.8	33.3	12.5	37.4	.....	17.5	13.9	.....
43	Area having open ditches, tile drains, and levees.....acres..	.....	(⁴)	.....	13,811	.....	.....	.....	.....	.....	.....
44	Length of these drains.....miles..	.....	12.5	.....	23.2	.....	.....	.....	.....	.....	.....
45	Average length per acre.....feet..	.....	.....	.....	8.9	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees.....miles..	.....	2.5	.....	10.4	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.											
47	Improved land in operating enterprises, 1920.....acres..	85,109	119,310	86,495	21,091	78,522	140,851	3,748	48,680	5,292	48,019
48	Improved land prior to drainage.....acres..	46,922	512,637	75,764	4,937	60,548	130,376	3,478	37,980	4,617	29,567
49	Increase since drainage.....acres..	38,187	106,673	10,731	16,154	17,974	4,475	270	10,750	675	18,452
50	Per cent of increase.....	81.4	844.1	14.2	327.2	29.0	3.3	7.8	28.3	14.6	62.4
51	Per cent increase is of all improved land in farms, 1920.....	20.2	87.1	7.6	7.7	6.7	3.1	0.3	9.5	0.7	10.2
52	Timber and cut-over land, 1920.....acres..	3,034	53,252	15,106	1,867	8,098	14,227	562	3,779	1,256	2,816
53	Timber and cut-over land prior to drainage.....acres..	41,221	75,037	25,822	3,574	15,999	18,113	832	13,553	1,931	14,322
54	Decrease since drainage.....acres..	38,187	21,785	10,716	1,707	7,901	3,891	270	9,774	675	12,006
55	Per cent of decrease.....	92.6	20.0	41.5	47.8	49.4	21.5	32.5	72.1	35.0	81.0
56	Other unimproved land, 1920.....acres..	8,646	32,142	.....	.....	5,175	31	330	555	.....	.....
57	Other unimproved land prior to drainage.....acres..	93,534	32,167	14,447	14,048	615	.....	330	1,531	.....	6,446
58	Decrease since drainage.....acres..	84,888	15	14,447	9,773	584	.....	.....	976	.....	6,446
59	Per cent of decrease.....	90.8	.....	100.0	65.4	95.0	.....	.....	63.7	.....	100.0
60	Swampy or subject to overflow, 1920.....acres..	926	3,255	2,669	5,925	643	28,142	20	10,597	132	578
61	Swampy or subject to overflow prior to drainage.....acres..	66,004	101,734	20,266	20,421	14,455	35,241	210	35,606	561	17,405
62	Decrease since drainage.....acres..	65,078	98,479	17,597	14,496	13,812	7,099	190	25,009	429	16,827
63	Per cent of decrease.....	98.6	96.8	86.8	71.0	95.6	20.1	90.5	70.2	76.5	95.7
CAPITAL INVESTED AND COST PER ACRE.											
64	Total capital invested in and required for completion of operating enterprises.....dollars..	290,239	755,124	516,751	206,499	433,931	746,053	19,634	167,874	11,957	289,453
65	Capital invested in these enterprises to Dec. 31, 1919.....dollars..	290,239	716,185	504,041	204,499	424,771	746,053	19,634	167,874	11,957	279,453
66	Additional capital required to complete these enterprises.....dollars..	.....	36,939	12,710	2,000	9,160	.....	.....	.....	.....	10,000
67	Average cost per acre when completed.....dollars..	3.29	4.17	3.86	8.99	4.73	4.81	4.23	3.17	1.83	5.69
68	Enterprises constructing open ditches only.....dollars..	263,934	601,080	176,805	61,937	4,000	340,677	.....	161,814	3,642	60,469
69	Average cost per acre when completed.....dollars..	3.25	3.70	2.15	11.93	2.86	2.73	.....	3.18	1.56	3.79
70	Enterprises constructing open ditches and levees.....dollars..	.....	5,339	.....	.....	.....	.....	.....	.....	.....	223,924
71	Average cost per acre when completed.....dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....	6.63
72	Enterprises constructing tile drains only.....dollars..	2,808	10,091	111,798	.....	223,845	325,393	19,634	2,308	.....	5,060
73	Average cost per acre when completed.....dollars..	3.81	7.28	7.85	.....	5.82	23.16	4.23	3.24	.....	8.43
74	Enterprises constructing open ditches and tile drains.....dollars..	23,497	126,614	228,348	8,393	206,086	73,983	.....	3,752	8,315	.....
75	Average cost per acre when completed.....dollars..	3.84	7.20	6.14	5.04	3.97	5.31	.....	2.65	1.97	.....
76	Enterprises constructing open ditches, tile drains, and levees.....dollars..	.....	12,000	.....	136,169	.....	.....	.....	.....	.....	.....
77	Average cost per acre when completed.....dollars..	.....	.....	.....	9.86	.....	.....	.....	.....	.....	.....
CROPS.											
78	Improved land in enterprises reporting—										
79	Corn as principal crop on drained land.....acres..	7,537	70,996	86,495	21,091	78,522	140,851	3,748	48,680	5,292	48,019
80	Wheat as principal crop on drained land.....acres..	.....	41,345	.....	.....	.....	.....	.....	.....	.....	.....
81	Hay as principal crop on drained land.....acres..	77,572	.....	.....	.....	.....	.....	.....	.....	.....	.....
82	Oats as principal crop on drained land.....acres..	.....	6,969	.....	.....	.....	.....	.....	.....	.....	.....
83	Vegetables as principal crop on drained land.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Not reporting principal crop on drained land.....acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Office estimate; the reported figures exceed the improved acreage in all farms in the county as determined by the census of agriculture.

² When works under construction have been completed.

³ Pumping plant located in Clay County.

⁴ Area included under "open ditches only."

⁵ The reported figures have been reduced by the same acreage as the improved land, 1920.

DRAINAGE—INDIANA.

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COUNTY TABLE II.—OPERATING DRAINAGE ENTERPRISES: 1920—Continued.

		Wabash.	Warren.	Warrick.	Wash- ington.	Wayne.	Wells.	White.	Whitley.	Other counties. ¹	
LAND AREA.											
1	Approximate land area of the county	acres..	272,000	235,520	250,880	332,160	263,040	233,600	324,480	216,320	1,025,280
2	All land in operating drainage enterprises	acres..	150,886	48,174	85,501	11,121	9,065	166,377	238,020	172,685	3,945
3	Improved land	acres..	115,590	35,927	81,860	10,009	7,705	139,130	222,496	145,687	3,422
4	Per cent of all improved land in farms .....	.....	56.1	20.1	43.4	4.8	3.9	72.3	80.5	91.3	2.1
5	Timber and cut-over land	acres..	14,609	4,932	2,246	556	453	26,786	14,938	9,176	420
6	Other unimproved land	acres..	20,687	7,315	1,395	556	907	461	586	17,823	103
7	Swampy or subject to overflow, in enterprises	acres..	7,276	.....	1,507	.....	.....	10,698	3,387	588	873
8	Suffering a loss of crops from defective drainage	acres..	173	.....	560	.....	.....	6,286	657	419	29
9	Assessed acreage .....	.....	154,779	52,905	85,501	11,121	9,065	350,570	305,912	339,491	3,945
10	Excess over all land in operating enterprises	acres..	3,893	4,731	.....	.....	.....	184,193	67,892	166,806	.....
DRAINAGE WORKS.											
11	Open ditches:										
12	Completed	miles..	266.6	46.0	166.0	11.0	17.4	648.3	149.1	372.4	13.6
13	Additional under construction	miles..	1.1	.....	.....	.....	.....	18.9	.....	14.6	.....
14	Maximum completed in any enterprise	miles..	10.0	11.9	20.5	11.0	4.0	21.0	16.3	45.6	3.0
15	Maximum width at bottom of ditch	feet..	12	6	30	28	10	125	40	14	15
16	Maximum of average depths of outlet ditches	feet..	7.4	7.2	11.0	12.0	5.0	12.0	15.0	13.0	8.0
17	Mean depth of branch ditches	feet..	4.5	3.9	4.5	.....	3.7	5.2	4.4	5.2	4.0
18	Tile drains:										
19	Completed	miles..	121.9	70.8	.....	5.1	.....	282.5	74.3	336.0	1.0
20	Additional under construction	miles..	3.9	.....	.....	0.6	.....	17.0	.....	22.8	.....
21	Maximum completed in any enterprise	miles..	4.2	28.0	.....	1.9	.....	18.3	4.1	29.0	1.0
22	Maximum size of tile	inches..	30	30	.....	20	.....	33	30	30	16
23	Accessory levees and dikes:										
24	Completed	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Additional under construction	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	Pumping plants:										
27	Engine capacity	horsepower	.....	.....	.....	.....	.....	.....	.....	.....	.....
28	Pump capacity	gallons per minute	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	Area served by pumps	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	Area drained by open ditches only	acres..	105,534	17,495	85,501	11,121	5,615	74,675	121,447	29,967	3,645
31	Length of these ditches	miles..	231.9	24.0	166.0	11.0	15.6	493.5	109.4	102.4	13.6
32	Average length per acre	feet..	11.6	7.2	10.3	5.2	14.7	34.9	4.8	18.0	19.7
33	Area having open ditches and levees	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
34	Length of these ditches	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
35	Average length per acre	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....
36	Length of the accessory levees	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
37	Area drained by tile only	acres..	29,946	14,148	.....	1,864	50,674	30,875	29,559	300	.....
38	Length of these tile	miles..	88.6	56.9	.....	4.3	191.5	56.6	120.0	1.0	.....
39	Average length per acre	feet..	17.0	21.2	.....	12.2	20.0	9.7	21.4	17.6	.....
40	Area drained by open ditches and tile	acres..	15,406	16,531	.....	1,586	41,028	85,698	113,159	.....	.....
41	Length of these drains	miles..	65.0	35.9	.....	3.2	281.7	57.4	523.4	.....	.....
42	Average length per acre	feet..	22.3	11.5	.....	10.7	36.3	3.5	24.4	.....	.....
43	Area having open ditches, tile drains, and levees	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
44	Length of these drains	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
45	Average length per acre	feet..	.....	.....	.....	.....	.....	.....	.....	.....	.....
46	Length of the accessory levees	miles..	.....	.....	.....	.....	.....	.....	.....	.....	.....
DEVELOPMENT OF LAND.											
47	Improved land in operating enterprises, 1920	acres..	115,590	35,927	81,860	10,009	7,705	139,130	222,496	145,687	3,422
48	Improved land prior to drainage	acres..	80,269	24,435	42,285	4,449	6,345	75,266	118,338	123,212	2,108
49	Increase since drainage	acres..	35,321	11,492	39,575	5,560	1,360	63,864	104,158	22,475	1,314
50	Per cent of increase .....	.....	44.0	47.0	93.6	125.0	21.4	54.9	88.0	18.2	62.3
51	Per cent increase is of all improved land in farms, 1920 .....	.....	17.1	6.4	21.0	2.7	0.7	33.2	37.7	14.1	0.2
52	Timber and cut-over land, 1920	acres..	14,609	4,932	2,246	556	453	26,786	14,938	9,176	420
53	Timber and cut-over land prior to drainage	acres..	28,835	6,708	32,049	3,336	1,359	90,487	109,600	23,383	1,286
54	Decrease since drainage	acres..	14,226	1,836	29,803	2,780	906	63,701	94,122	14,208	866
55	Per cent of decrease .....	.....	49.3	27.1	93.0	83.3	66.7	70.4	86.3	60.8	67.3
56	Other unimproved land, 1920	acres..	20,687	7,315	1,395	556	907	461	586	17,823	103
57	Other unimproved land prior to drainage	acres..	41,782	16,971	11,107	3,336	1,361	624	10,622	26,090	551
58	Decrease since drainage	acres..	21,095	9,656	9,772	2,780	454	163	10,036	8,267	448
59	Per cent of decrease .....	.....	50.5	56.9	87.5	83.3	33.4	26.1	94.5	31.7	81.3
60	Swampy or subject to overflow, 1920	acres..	7,276	.....	1,507	.....	.....	10,698	3,387	588	873
61	Swampy or subject to overflow prior to drainage	acres..	70,438	9,263	63,950	6,673	1,362	88,365	162,752	17,707	2,143
62	Decrease since drainage	acres..	63,162	9,263	62,443	6,673	1,362	77,695	159,365	17,119	1,270
63	Per cent of decrease .....	.....	89.7	100.0	97.6	100.0	100.0	87.9	97.9	66.7	59.3
CAPITAL INVESTED AND COST PER ACRE.											
64	Total capital invested in and required for completion of operating enterprises	dollars..	640,543	102,247	305,980	79,000	17,765	1,018,035	561,777	979,936	19,954
65	Capital invested in these enterprises to Dec. 31, 1919	dollars..	627,043	102,247	305,980	79,000	16,640	866,817	561,777	883,249	19,954
66	Additional capital required to complete these enterprises	dollars..	13,500	.....	.....	.....	1,125	151,218	.....	96,687	.....
67	Average cost per acre when completed	dollars..	4.25	2.12	3.58	7.10	1.96	6.12	2.36	6.67	5.06
68	Enterprises constructing open ditches only	dollars..	366,450	25,774	305,980	79,000	5,745	334,091	225,858	131,105	16,754
69	Average cost per acre when completed	dollars..	3.47	1.47	3.58	7.10	1.02	4.47	1.86	4.87	4.60
70	Enterprises constructing open ditches and levees	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....
71	Average cost per acre when completed	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....
72	Enterprises constructing tile drains only	dollars..	176,229	38,373	.....	.....	9,745	284,460	95,407	158,270	3,200
73	Average cost per acre when completed	dollars..	5.88	2.71	.....	.....	5.23	5.61	3.09	5.35	10.67
74	Enterprises constructing open ditches and tile drains	dollars..	97,864	38,100	.....	.....	2,275	396,484	240,512	690,561	.....
75	Average cost per acre when completed	dollars..	6.35	2.30	.....	.....	1.43	9.74	2.81	6.10	.....
76	Enterprises constructing open ditches, tile drains, and levees	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....
77	Average cost per acre when completed	dollars..	.....	.....	.....	.....	.....	.....	.....	.....	.....
CROPS.											
78	Improved land in enterprises reporting—										
79	Corn as principal crop on drained land	acres..	115,590	35,927	79,934	10,009	7,705	139,130	143,687	145,687	3,422
80	Wheat as principal crop on drained land	acres..	.....	.....	1,667	.....	.....	.....	26,690	.....	.....
81	Hay as principal crop on drained land	acres..	.....	.....	259	.....	.....	.....	.....	.....	.....
82	Oats as principal crop on drained land	acres..	.....	.....	.....	.....	.....	.....	52,119	.....	.....
83	Vegetables as principal crop on drained land	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Not reporting principal crop on drained land	acres..	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Includes only Decatur, Martin, Monroe, Ohio, and Perry Counties.² When works under construction have been completed.

MANUFACTURES—INDIANA.

EXPLANATION OF TERMS.

Scope of census.—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of ownership, size of establishments, and similar subjects. When use is made of the statistics for these purposes it is imperative that due attention be given to their limitations, particularly in connection with any attempt to derive from them figures purporting to show average wages, cost of production, or profits.

The census did not cover establishments which were idle during the entire year or for which products were valued at less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions.

Period covered.—The returns relate to the calendar year 1919, or the business year which corresponded most nearly to that calendar year, and cover a year's operations, except for establishments which began or discontinued business during the year.

The establishment.—As a rule, the term "establishment" represents a single plant or factory, but in some cases it represents two or more plants which were operated under a common ownership or for which one set of books of account was kept. If, however, the plants constituting an establishment as thus defined were not all located within the same city, county, or state, separate reports were secured in order that the figures for each plant might be included in the statistics for the city, county, or state in which it was located. In some instances separate reports were secured for different industries carried on in the same establishment.

Classification by industries.—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products different from those covered by the class designation, and, on the other hand, may not represent the total product covered by this designation, because some of this class of product may be made in establishments in which it is not the product of chief value.

As a rule, the same designation is used for the industry wherever it appears, although all of the products indicated by this designation were not manufactured in the state or city for which these statistics are presented. In some instances the wording is changed so as to more correctly describe the products represented. For a number of industries subclasses are shown which indicate more definitely the kind of products.

Selected industries.—The general tables at the end of this section give the principal facts separately for the industries of the state. A selection has been made of certain leading industries of the state for more detailed consideration. Sometimes an industry of great importance has to be omitted because it comprises so few establishments that a detailed presentation would reveal the operations of individual concerns.

Comparisons with previous censuses.—Owing to changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. At the census of 1909 the figures for kindred industries were combined. This practice has been followed in compiling the statistics for 1919 and 1914 when placed in com-

parison with those for 1909 and prior years. The comparative summary for 1919, 1914, and 1909, therefore, does not show separately all the industries given for 1919 in the detailed statement for the state.

Influence of increased prices.—In comparing figures for cost of materials, value of products, and value added by manufacture in 1919 with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures fail to afford an exact measure of the increase in the volume of business.

Persons engaged in the industry.—The following general classes of persons engaged in the manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks (including other subordinate salaried employees), and (5) wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. In comparative tables covering the census of 1904 it is of course necessary to group the figures according to the classification that was employed at the earlier censuses.

The number of persons engaged in each industry, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for a single representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where this date was not a representative day an earlier date was chosen.

In the case of employees other than wage earners the number thus reported for the representative date has been treated as equivalent to the average for the year, since the number of employees of this class does not ordinarily vary much from month to month. In the case of wage earners the average has been obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, by sex, without distinction of age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12. The importance of the industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined for any state, because, in view of the variations of date, such a total is not believed to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation. This total, however, is shown for the different cities, because the limited area and greater regularity of employment largely overcame the objection incident to its publication for the separate states or the United States.

In order to determine as nearly as possible the age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by age of the wage earners in each industry for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry to determine the average numbers 16 years and over, and under 16, employed. These calculated averages for the several industries have been added to give the average distribution for each state as a whole and for the entire country.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively. The Census Bureau has not undertaken to calculate the average annual earnings of either salaried employees or wage earners. Such averages would possess little real value, because they would be based on the earnings of employees of both sexes, of all ages, and of widely varying degrees of skill. Furthermore, so far as wage earners are concerned, it would be impossible to calculate accurately even so simple an average as this, since the number of wage earners fluctuates from month to month in every industry, and in some cases to a very great extent. The Census Bureau's figures for wage earners, as already explained, are averages based on the number employed on the 15th of each month, and while representing the number according to the pay rolls to whom wages were paid on that date, no doubt represent a larger number than would be required to perform the work in any industry if all were continuously employed during the year.

Prevailing hours of labor.—No attempt was made to ascertain the number of wage earners working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one part of the year to another were disregarded, and no attention was paid to the fact that a few wage earners might have hours differing from those of the majority. All the wage earners of each establishment are therefore counted in the class within which the establishment itself falls. In most establishments, however, practically all the wage earners work the same number of hours, so that the figures give a substantially correct representation of the hours of labor.

Capital.—The instructions on the schedule for securing data relating to capital were as follows:

"The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises."

These instructions were identical with those employed at the censuses of 1914 and 1909. The data compiled in respect to capital, however, at both censuses, as well as at all preceding censuses of manufactures, have been so defective as to be of little value except

as indicating very general conditions. In fact, it has been repeatedly recommended by the census authorities that this inquiry be omitted from the schedule. While there are some establishments whose accounting systems are such that an accurate return for capital could be made, this is not true of the great majority, and the figures therefore do not show the actual amount of capital invested.

Materials.—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" covers fuel, rent of power and heat, mill supplies, and containers, as well as materials which form a constituent part of the product.

Rent and taxes.—The taxes include certain Federal taxes and state, county, and local taxes. Under "Federal taxes" there are included the internal-revenue tax on manufactures (tobacco, beverages, etc.), excise taxes when included in values reported for products, corporation capital stock tax, and corporation income tax, but not the income tax for individuals and partners.

Value of products.—The amounts given under this heading represent the selling value or price at the factory of all products manufactured during the year, which may differ from the value of the products sold.

Value added by manufacture. The value of products is not always a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing processes carried on in the industry itself. Another part, and often by far the larger one, represents the value of the materials used. For many purposes, therefore, the best measure of the importance of an industry, from a manufacturing standpoint, is the value created by the manufacturing operations carried on within the industry. This value is calculated by deducting the cost of the materials used from the value of the products. The figure thus obtained is termed in the census reports "value added by manufacture."

Cost of manufacture and profits.—The census data do not show the entire cost of manufacture, and consequently can not be used for the calculation of profits. No account has been taken of depreciation or interest, rent of offices and buildings other than factory or works, insurance, ordinary repairs, advertising, and other sundry expenses.

Primary horsepower.—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented from other concerns. It does not cover the power of electric motors taking their current from dynamos driven by primary power machines operated by the same establishment, because the inclusion of such power would obviously result in duplication. The figures for primary horsepower represent the rated capacity of the engines, motors, etc., and not the amount of power in actual daily use.

Fuel.—Statistics of the quantity of fuel used are shown only for anthracite and bituminous coal, coke, fuel oils, gasoline and other volatile oils, and gas—natural and manufactured—and represent the quantity used during the year. As only the principal kinds of fuel are shown, comparison as to the total cost of all fuel is impracticable. A comparison, however, of the total quantities of the several kinds of fuel used in 1919 and 1914 is given.

GENERAL STATISTICS.

General character of the state.—Indiana has a gross area of 36,354 square miles, of which 36,045 represent land surface. The inhabitants of the state in 1900 numbered 2,516,462; in 1910, 2,700,876; and in 1920, 2,930,390. In total population Indiana ranked eleventh among the states in 1920. The number of inhabitants per square mile in 1910 was 74.9, the corresponding figure for 1920 being 81.3.

In 1920 there were 31 cities in the state having more than 10,000 inhabitants. Six of these—Evansville, Fort Wayne, Gary, Indianapolis, South Bend, and Terre Haute—had more than 50,000 inhabitants. Twenty-nine of these cities (exclusive of Gary and Whiting), with a combined population of 1,106,302 in that year, formed 37.8 per cent of the total for Indiana, and in 1919 reported 62.5 per cent of the value of the state's manufactured products.

Importance and growth of manufactures (Table 1).—The large increases in salaries and wages, cost of materials, and value of products, from 1914 to 1919, as presented in Table 1, are largely due to the change in industrial conditions brought about by the World War, and therefore can not properly be used to measure the growth of manufactures during the census period 1914 to 1919. The increases shown, however, in number of wage earners and horsepower, are indicative of a decided growth in the manufacturing activities of the state. The addition of the Federal income tax since 1914 will account for the large increase in "Rent and taxes."

Statistics for the state, by counties (Table 2).—Figures are not available for comparison of county totals for 1919 with those of prior censuses. Statistics for this census, however, show that two counties—Lake and Marion—reported 48.8 per cent of the total value of products for the state and 33.6 per cent of the total number of wage earners.

Principal industries, ranked by value of products (Table 3).—The ranking of industries by value of products is not always satisfactory as indicating their importance from a manufacturing standpoint. Their ranking would change materially if based upon the average number of wage earners or value added by manufacture.

Persons engaged in manufacturing industries (Table 4).—The age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the "Explanation of terms." The classification by sex, for 1919, was reported separately, but for 1914 and 1909 was obtained in the same manner as the distribution by age. Figures for individual industries will be found in Table 35.

Average number of wage earners for selected industries (Table 5).—The industries covered by this table are those which employed more than 2,000 wage earners in 1919, and for which statistics can be shown without the possibility of disclosing the operations of individual establishments.

Average number of wage earners, by sex and age, and value of products for cities of 10,000 inhabitants or more (Table 6).—In general, increases are shown in this table from 1914 to 1919. Statistics for Gary and Whiting can not be shown separately without disclosing individual operations.

Wage earners, by months (Table 7).—The statistics for wage earners in this table are intended to show the steadiness of employment, or the reverse, in accordance with the industrial conditions existing during the several census years.

Wage earners, by months, for selected industries and for cities (Table 8).—In addition to the number of wage earners employed by months, similar data are given for males and females for all industries combined, and for the total industries of each of the 29 cities for which separate statistics can be shown. There were a number of industries in the state in 1919 in which the number of female wage earners predominated. The 29 cities combined reported a slightly larger proportion of the female wage earners than the state as a whole, 17.6 per cent as compared with 15 per cent for the state.

Prevailing hours of labor (Table 9).—Since 1914 there has been a marked shortening of the working day in Indiana. In that year 14.9 per cent of the wage earners were included in the group "48 and under," as against 32.6 per cent in 1919. In 1914 the "60" and "Over 60" groups constituted 32.9 per cent of the total wage earners, as compared with 16.1 per cent in 1919.

Size of establishments, by average number of wage earners, for selected industries and for cities (Table 10).—The predominance of the number of small establishments, when based on the number of wage earners employed, is evidenced in this table by the fact that of the total number of establishments in the state, 93.3 per cent were in the several classes having fewer than 101 wage earners, while such establishments employed but 26.2 per cent of the total number of wage earners. On the other hand, the establishments employing an average of more than 100 wage earners represented only 6.7 per cent of the total number of manufacturing establishments in the state, but reported 73.8 per cent of the total number of wage earners.

Size of establishments, by value of products (Table 11).—At the censuses of 1909 and 1914, establishments with products valued at "\$100,000 to \$1,000,000" constituted one group, but at the census of 1919 this group was subdivided into "\$100,000 to \$500,000" and "\$500,000 to \$1,000,000." Separate figures for the number of establishments and value of products have been compiled, however, from the returns for 1914. The table, therefore, gives combined figures for these two groups in the case of all items for 1909, and in the case of average number of wage earners and value added by manufacture for 1914.

Size of establishments, by value of products, for selected industries (Table 12).—In the preparation of this table it was necessary in several instances to combine the establishments of one group of the industry with those of some other group of that industry to avoid the possibility of disclosing the operations of individual establishments.

Size of establishments, by value of products, for cities of 10,000 inhabitants or more (Table 13).—This table strikingly illustrates the fact that the number of establishments is, of itself, no real index of manufacturing activities. The cities of Gary, Jeffersonville, Michigan City, and Whiting are omitted to avoid disclosure of individual operations.

Character of ownership (Table 14).—The preponderance of corporate ownership is clearly brought out in this table, although corporations owned but 37.4 per cent of the number of establishments in the state in 1919, they reported 91.7 per cent of the average number of wage earners and 93.5 per cent of the total value of products. During the five-year period 1914 to 1919, the average number of wage earners in corporations increased 81,451, or 47 per cent, and the value of products, \$1,121,465,264, or 171.7 per cent.

Manufactures, by population groups, in cities of 10,000 inhabitants or more (Table 15).—This table

shows that the combined number of establishments in the 29 cities (exclusive of Gary and Whiting), in 1919 represented 46.5 per cent of the total in the state. They reported in that year 66.9 per cent of the average number of wage earners and 62.5 per cent of the total value of products.

Principal industries in Evansville, Fort Wayne, Indianapolis, South Bend, and Terre Haute, with per cent of total for state (Table 16).—This table includes all industries in Indianapolis having products of \$2,000,000 and over, and in Evansville, Fort Wayne, South Bend, and Terre Haute, all industries having products of \$500,000 and over, the figures being given for those which can be shown without disclosing the operations of individual establishments.

It is deemed of first importance to present statistics of the state as a whole for all industries which can be shown without disclosing the operations of individual establishments. In so doing, however, it sometimes happens that quite important industries can not be shown in the city, since to do so might disclose the operations of establishments located outside, by the simple deduction of the totals shown for the industry in the city from that given in the detailed state table.

Number and horsepower of types of prime movers (Table 17).—The total horsepower reported in 1919, as compared with that for 1914, shows an increase of 386,209 horsepower, or 54.4 per cent. Owned power increased 213,779 horsepower, or 42.2 per cent, while rented power showed a gain of 172,430 horsepower, or 85.1 per cent, during the five-year period.

Fuel consumed (Table 18).—This table shows the principal kinds of fuel used by the manufacturing plants in the state in 1919 and 1914, and gives separately for 1919 the amounts consumed by a number of important industries which use considerable quantities of fuel.

TABLE 1.—COMPARATIVE SUMMARY: 1919, 1914, 1909, 1904, AND 1899.

	MANUFACTURING INDUSTRIES.					PER CENT OF INCREASE. ¹			
	1919	1914	1909	1904	1899	1914-1919	1909-1914	1904-1909	1899-1904
Number of establishments.....	7,916	8,022	7,969	7,044	7,128	-1.3	0.7	13.1	-1.2
Persons engaged.....	330,145	233,270	218,263	176,227	(²)	41.5	6.9	23.9	.....
Proprietors and firm members.....	6,768	7,229	7,674	7,191	(²)	-6.4	-5.8	6.7	.....
Salaried employees.....	45,797	28,538	23,605	14,862	10,447	60.5	20.9	58.8	42.3
Wage earners (average number).....	277,580	197,503	186,984	154,174	139,017	40.5	5.6	21.3	10.9
Primary horsepower.....	1,095,912	709,703	633,377	380,758	325,919	54.4	12.1	66.3	16.8
Capital.....	\$1,335,714,103	\$668,803,232	\$508,717,197	\$312,071,234	\$219,321,080	99.7	31.5	63.0	42.3
Salaries and wages.....	402,159,443	155,854,826	121,815,291	87,086,888	69,251,062	158.0	27.9	30.9	25.8
Salaries.....	85,116,446	36,596,497	28,304,675	15,028,789	9,970,931	132.6	39.1	75.0	50.7
Wages.....	317,042,997	119,258,329	95,510,616	72,058,099	59,280,131	165.8	24.9	32.5	21.6
Paid for contract work.....	3,802,189	1,949,324	2,145,858	1,360,092	(²)	95.0	-9.2	57.8	.....
Rent and taxes.....	79,286,180	33,332,276	30,179,792	2,373,100	(²)	137.9	10.4	.....	.....
Cost of materials.....	1,174,950,568	423,857,157	334,374,753	220,507,007	195,162,566	177.2	26.8	51.6	13.0
Value of products.....	1,898,753,387	730,796,021	579,075,046	393,954,405	337,071,630	159.8	28.2	47.0	16.9
Value added by manufacture ⁴	723,802,819	306,937,864	244,700,293	173,447,398	141,909,064	135.8	25.4	41.1	22.2

¹ A minus sign (-) denotes decrease.² Figures not available.³ Exclusive of internal revenue.⁴ Value of products less cost of materials.

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TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horsepower.
		Average number.	Wages.					
The state.....	7,916	277,580	\$317,042,997	\$79,286,180	\$1,174,950,568	\$1,898,753,387	\$723,802,819	1,095,912
Adams.....	70	656	619,046	87,459	4,104,858	6,110,251	2,005,393	3,354
Allen.....	286	16,509	17,592,087	1,777,779	38,563,244	77,805,607	39,242,383	45,063
Bartholomew.....	63	1,578	1,335,313	258,434	5,470,489	8,678,779	3,208,310	3,788
Benton.....	15	34	24,306	2,102	70,125	136,653	66,528	76
Blackford.....	30	1,239	1,512,228	359,213	3,045,284	9,085,041	6,039,757	5,365
Boone.....	66	608	440,495	63,048	3,097,665	4,756,040	1,658,375	1,867
Brown.....	14	68	26,163	1,114	78,914	146,958	68,039	294
Carroll.....	41	178	146,068	11,900	442,612	838,250	395,638	1,318
Cass.....	84	2,666	3,396,385	82,165	7,232,446	11,695,351	4,462,905	7,263
Clark.....	62	1,536	1,751,977	417,182	5,972,163	9,514,530	3,542,367	9,477
Clay.....	71	1,206	1,182,164	73,555	2,984,530	5,280,021	2,345,491	5,517
Clinton.....	51	1,454	1,449,574	146,444	4,720,623	7,553,093	2,623,470	2,796
Crawford.....	29	161	92,649	3,749	409,138	606,430	197,292	714
Davies.....	77	1,497	1,858,044	20,870	2,210,606	4,574,750	2,864,144	3,101
De Kalb.....	80	1,842	1,894,088	725,230	8,550,470	13,496,733	4,946,263	2,984
Dearborn.....	55	1,781	1,464,743	206,766	8,119,488	12,190,137	4,070,649	4,796
Decatur.....	56	242	215,267	17,383	1,130,236	1,562,514	432,278	1,897
Delaware.....	160	7,822	8,457,739	1,332,492	25,129,685	42,407,441	17,277,756	21,058
Dubois.....	86	840	650,492	64,885	2,564,123	3,642,900	1,378,777	3,297
Elkhart.....	266	8,021	8,086,234	698,915	22,744,858	39,567,884	16,823,026	15,662
Fayette.....	48	2,530	2,270,996	401,967	10,308,543	15,836,923	5,528,380	6,466
Floyd.....	119	2,742	2,513,558	390,897	8,289,504	14,795,056	6,505,552	9,312
Fountain.....	57	423	422,879	88,450	841,472	1,701,511	800,039	2,163
Franklin.....	61	238	193,101	46,764	678,091	1,134,326	461,235	2,626
Fulton.....	67	271	274,789	35,533	1,645,610	2,437,294	791,684	1,105
Gibson.....	66	1,092	1,455,840	37,592	2,404,259	4,267,044	1,862,785	2,036
Grant.....	149	6,437	5,754,877	1,248,652	17,947,252	30,504,254	12,557,002	11,982
Greene.....	56	413	376,020	30,637	2,560,100	3,476,611	916,511	1,404
Hamilton.....	61	840	705,204	69,455	5,969,549	7,392,668	1,893,119	4,482
Hancock.....	39	626	511,622	63,330	949,648	2,030,268	1,080,620	1,693
Harrison.....	47	415	285,474	22,391	1,029,602	1,617,497	587,895	1,759
Hendricks.....	40	86	71,860	9,266	399,677	629,623	229,046	1,076
Henry.....	80	4,471	4,519,640	300,905	10,121,403	17,042,739	6,921,336	8,982
Howard.....	120	7,046	8,696,557	1,483,216	22,143,023	39,952,297	17,809,274	34,310
Huntington.....	92	2,484	3,014,212	300,265	5,271,886	11,896,596	6,124,710	5,906
Jackson.....	69	1,243	944,306	188,082	6,440,209	8,755,031	2,314,822	4,561
Jasper.....	19	92	80,617	3,271	194,453	375,792	181,359	360
Jay.....	63	1,627	1,361,607	174,851	3,148,150	5,774,114	2,625,964	3,257
Jefferson.....	62	688	425,590	71,926	2,219,680	3,397,167	1,177,487	2,844
Jennings.....	38	449	353,790	39,535	1,132,705	2,515,863	1,882,658	1,085
Johnson.....	52	886	703,726	426,103	6,829,104	9,455,967	2,626,863	2,870
Knox.....	148	1,419	1,362,045	268,715	5,263,530	8,863,236	3,699,706	5,879
Kosciusko.....	96	821	590,739	60,144	1,566,744	2,942,682	1,375,938	1,752
La Porte.....	114	7,051	8,812,748	3,135,785	37,848,018	58,848,551	20,500,533	12,890
Lagrange.....	21	137	156,969	15,104	886,478	1,417,223	530,745	1,930
Lake.....	358	41,233	72,997,978	37,466,882	341,333,413	520,361,658	179,028,245	464,639
Lawrence.....	56	2,589	2,533,689	161,114	5,200,666	10,164,940	4,964,284	19,986
Madison.....	193	11,642	12,454,968	1,798,654	35,916,303	60,485,303	24,699,000	31,413
Marion.....	1,028	52,142	55,083,475	12,623,376	269,640,982	406,342,137	135,701,175	114,214
Marshall.....	72	790	780,526	59,826	8,047,537	4,779,386	1,731,848	1,713
Martin.....	30	370	274,797	24,939	595,579	1,128,728	533,149	972
Miami.....	76	2,394	2,148,933	141,882	3,517,847	7,090,074	3,678,227	4,109
Monroe.....	67	1,900	1,633,955	247,291	4,042,900	8,183,888	3,540,988	7,562
Montgomery.....	100	960	895,022	157,266	3,283,852	5,608,197	2,314,345	3,251
Morgan.....	48	769	671,950	42,980	1,595,065	3,021,130	1,425,466	3,343
Newton.....	20	62	53,362	10,102	116,372	316,509	200,137	764
Noble.....	58	897	742,124	101,129	2,815,844	5,931,297	3,115,453	3,443
Ohio.....	8	94	80,516	1,565	120,290	244,497	124,207	464
Orange.....	41	418	267,832	15,835	945,902	1,732,826	786,924	1,575
Owen.....	30	200	116,565	5,874	404,060	794,907	390,847	803
Parke.....	38	359	316,916	23,355	493,870	1,096,594	602,724	2,122
Perry.....	49	1,214	831,739	202,963	2,777,047	4,621,686	2,144,539	3,405
Pike.....	24	70	42,526	8,680	312,490	463,031	150,541	309
Porter.....	50	623	496,413	71,526	1,722,391	2,860,266	1,237,875	1,689
Posey.....	41	440	419,748	82,965	4,630,015	5,726,622	1,696,507	2,259
Pulaski.....	23	44	29,518	4,965	73,284	157,289	84,005	178
Putnam.....	44	415	489,622	22,329	1,672,497	2,513,706	1,141,209	5,246
Randolph.....	74	1,063	819,822	66,244	2,518,789	4,551,654	2,037,865	3,022
Ripley.....	71	747	607,911	55,772	2,007,636	3,700,390	1,692,754	2,632
Rush.....	44	694	509,771	95,137	2,066,419	3,425,627	1,859,208	3,147
St. Joseph.....	277	19,957	23,205,886	3,877,875	53,107,446	103,713,906	50,808,480	40,309
Scott.....	20	609	135,962	6,967	849,039	1,108,790	259,701	1,875
Shelby.....	61	1,609	1,305,940	170,663	4,344,204	7,520,687	3,176,483	6,827
Spencer.....	42	262	185,540	38,473	1,770,224	2,229,494	459,270	1,470
Starke.....	13	25	20,158	1,610	160,977	204,670	59,693	144
Steuken.....	49	187	155,971	19,022	1,358,541	1,982,483	623,942	1,107
Sullivan.....	36	114	100,403	9,335	491,737	755,683	278,946	584
Switzerland.....	12	20	10,403	1,881	215,498	328,613	113,075	201
Tippecanoe.....	99	2,665	2,964,200	512,189	7,231,234	13,115,651	5,884,417	6,501
Tipton.....	42	544	470,926	64,260	976,130	1,659,888	983,758	1,072

MANUFACTURES—INDIANA.

TABLE 2.—STATISTICS FOR THE STATE, BY COUNTIES: 1919—Continued.

COUNTY.	Number of establishments.	WAGE EARNERS.		Rent and taxes.	Cost of materials.	Value of products.	Value added by manufacture.	Primary horse-power.
		Average number.	Wages.					
Union.....	34	89	\$77,647	\$10,487	\$707,475	\$1,002,206	\$294,731	572
Vanderburg.....	318	14,475	13,454,504	2,577,066	45,856,011	75,248,082	29,392,071	27,485
Vermillion.....	45	734	660,409	39,541	1,833,448	2,440,693	1,110,245	2,577
Vigo.....	238	9,805	11,076,917	2,032,633	32,572,610	54,698,907	22,126,357	28,763
Wabash.....	83	2,089	2,016,399	348,729	7,487,189	11,468,142	4,000,953	6,609
Warren.....	6	9	8,335	495	13,306	30,068	16,762	14
Warrick.....	35	111	70,319	34,109	678,642	951,751	273,109	764
Washington.....	30	468	423,782	28,269	1,350,219	2,567,366	1,217,147	980
Wayne.....	241	5,913	5,837,060	559,823	14,915,050	27,621,897	12,706,947	9,392
Wells.....	53	985	915,181	139,947	2,029,078	4,265,343	2,238,265	3,000
White.....	38	295	258,320	18,824	1,557,486	2,082,695	525,209	1,010
Whitley.....	33	435	328,789	57,610	1,814,187	2,626,980	812,793	1,143

TABLE 3.—PRINCIPAL INDUSTRIES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.
All industries.....	7,916	277,580	100.0	\$1,898,753	100.0	\$723,803	100.0	Carriages and wagons, including repairs.....	79	1,434	0.5	\$0,260	0.5	\$2,872	0.4
Iron and steel, steel works and rolling mills.....	23	22,362	8.1	109,274	10.5	86,079	11.9	Druggists' preparations.....	25	1,409	0.5	9,257	0.5	4,615	0.6
Slaughtering and meat packing.....	57	5,691	2.0	134,020	7.1	12,339	1.7	Pickles, preserves, and sauces.....	30	1,221	0.4	8,925	0.5	3,121	0.4
Automobiles.....	27	10,544	3.8	107,348	5.7	20,650	4.1	Shirts.....	14	1,991	0.7	8,906	0.5	2,543	0.4
Cars, steam-railroad, not including operations of railroad companies.....	9	6,650	2.4	86,021	4.5	19,946	2.8	Chemicals.....	9	1,026	0.4	8,649	0.5	4,670	0.6
Foundry and machine-shop products.....	395	18,828	6.8	85,360	4.5	47,333	6.5	Boxes, paper and other, not elsewhere specified.....	21	1,562	0.6	8,406	0.4	4,001	0.6
Flour-mill and gristmill products.....	450	2,280	0.8	75,111	4.0	9,371	1.3	Phonographs and graphophones.....	13	2,178	0.8	7,077	0.4	3,968	0.5
Automobile bodies and parts.....	145	15,229	5.5	71,717	3.8	31,048	4.4	Stoves and hot-air furnaces.....	25	1,656	0.6	7,762	0.4	4,580	0.6
Cars and general shop construction and repairs by steam-railroad companies.....	77	23,099	8.3	61,232	3.2	36,366	5.0	Marble and stone work.....	166	2,004	0.7	7,612	0.4	5,082	0.7
Furniture.....	177	13,257	4.8	52,350	2.8	24,807	3.4	Musical instruments, pianos.....	8	1,432	0.5	6,978	0.4	3,602	0.5
Electrical machinery, apparatus, and supplies.....	47	11,756	4.2	41,594	2.2	20,784	2.9	Iron and steel, forgings, not made in steel works or rolling mills.....	5	972	0.4	6,359	0.3	3,868	0.5
Agricultural implements.....	29	5,533	2.0	31,824	1.7	19,209	2.7	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	6	1,150	0.4	6,296	0.3	2,864	0.4
Glass.....	35	9,350	3.4	30,107	1.6	10,952	2.3	Gloves and mittens, cloth, not including gloves made in textile mills.....	24	1,520	0.5	5,860	0.3	2,186	0.3
Bread and other bakery products.....	802	3,759	1.4	30,020	1.6	10,544	1.5	Soap.....	10	540	0.2	5,678	0.3	2,608	0.4
Butter.....	92	1,453	0.5	27,901	1.5	3,853	0.5	Brass, bronze, and copper products.....	31	1,271	0.5	5,638	0.3	2,404	0.3
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	15	2,917	1.0	20,884	1.1	8,867	1.2	Confectionery, ice cream.....	151	536	0.2	5,632	0.3	1,690	0.2
Printing and publishing, newspapers and periodicals.....	559	3,511	1.3	19,185	1.0	13,497	1.9	Confectionery.....	84	1,177	0.4	5,563	0.3	2,292	0.3
Canning and preserving, fruits and vegetables.....	136	2,949	1.1	18,890	1.0	7,174	1.0	Stamped and enameled ware, not elsewhere specified.....	7	1,377	0.5	5,248	0.3	3,273	0.5
Lumber and timber products.....	486	4,173	1.5	17,776	0.9	9,561	1.3	Smelting and refining, not from the ore.....	4	257	0.1	4,899	0.3	1,489	0.2
Paper and wood pulp.....	23	2,214	0.8	15,120	0.8	5,066	0.8	Leather, tanned, curried, and finished.....	9	396	0.1	4,730	0.2	1,274	0.2
Clothing, men's.....	37	3,480	1.3	15,000	0.8	5,208	0.7	Fertilizers.....	13	328	0.1	4,713	0.2	1,980	0.3
Engines, steam, gas, and water.....	16	2,853	1.0	14,473	0.8	6,784	0.9	Condensed milk.....	7	205	0.1	4,617	0.2	692	0.1
Structural ironwork, not made in steel works or rolling mills.....	23	2,015	0.7	14,450	0.8	6,600	0.9	Copper, tin, and sheet-iron work.....	172	696	0.3	4,587	0.2	1,885	0.3
Lumber, planing-mill products, not including planing mills connected with sawmills.....	222	2,238	0.8	14,102	0.7	5,258	0.7	Woolen goods.....	11	948	0.3	4,542	0.2	1,222	0.2
Cement.....	5	1,953	0.7	13,363	0.7	7,499	1.0	Patent medicines and compounds.....	83	420	0.2	4,481	0.2	3,098	0.4
Gas, illuminating and heating.....	53	1,902	0.7	12,454	0.7	5,843	0.8	Cotton goods.....	4	997	0.4	4,353	0.2	1,863	0.3
Printing and publishing, book and job.....	278	3,041	1.1	10,741	0.6	6,520	0.9	Machine tools.....	15	1,228	0.4	4,250	0.2	2,885	0.4
Pumps, not including power pumps.....	11	1,195	0.4	10,166	0.5	7,705	1.1	Wirework, not elsewhere specified.....	21	632	0.2	4,209	0.2	1,540	0.2
Tobacco, cigars.....	252	4,154	1.5	10,066	0.5	5,087	0.7	Ice, manufactured.....	107	855	0.3	4,080	0.2	2,676	0.4
Brick and tile, terra-cotta, and fire-clay products.....	151	3,648	1.3	9,881	0.5	6,444	0.9	Liquors, malt.....	13	759	0.3	3,959	0.2	2,334	0.3
Knit goods.....	8	2,675	1.0	9,802	0.5	4,187	0.6	Coffins, burial cases, and undertakers' goods.....	22	806	0.3	3,948	0.2	1,886	0.3
Food preparations, not elsewhere specified.....	40	539	0.2	9,318	0.5	1,755	0.2	Tools, not elsewhere specified.....	26	459	0.2	3,902	0.2	3,184	0.4
								Coffee, roasting and grinding.....	24	187	0.1	3,711	0.2	915	0.1
								Carriages and sleds, children's.....	8	918	0.3	3,650	0.2	1,934	0.3
								Carriage and wagon materials.....	21	782	0.3	3,516	0.2	1,444	0.2
								All other industries ¹	1,965	47,003	16.9	427,005	22.5	148,818	20.6

¹ Among the industries for which statistics can not be shown separately without the possibility of disclosing the operations of individual establishments are a number having products in excess of some for which figures are shown in the table. Of these industries, the most important are the following: "Bags, other than paper, not including bags made in textile mills"; "boots and shoes, rubber"; "coke, not including gas-house coke"; "glucose and starch"; "iron and steel, blast furnaces"; "petroleum, refining"; "saws"; "sewing-machine cases"; "smelting and refining, lead"; "tin plate and terneplate"; "tinware, not elsewhere specified"; and "wire."

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TABLE 4.—PERSONS ENGAGED IN MANUFACTURING INDUSTRIES: 1919, 1914, AND 1909.

CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.		CLASS.	Cen- sus year.	Total.	Male.	Fe- male.	PER CENT OF TOTAL.	
					Male.	Fe- male.						Male.	Fe- male.
All classes.....	1919	330,145	276,294	53,851	83.7	16.3	Clerks and other subordinate sal- aried employees.	1919	32,203	20,747	11,456	64.4	35.6
	1914	233,370	201,481	31,789	86.4	13.6		1914	20,958	15,385	5,573	73.3	26.7
	1909	218,293	190,684	27,609	87.4	12.6		1909	16,759	12,801	3,958	76.4	23.6
Proprietors and officials.....	1919	20,362	19,742	620	97.0	3.0	Wage earners (average number)....	1919	277,580	235,805	41,775	85.0	15.0
	1914	14,509	14,380	429	97.1	2.9		1914	197,503	171,736	25,767	87.0	13.0
	1909	14,520	14,185	335	97.7	2.3		1909	186,984	163,698	23,286	87.5	12.5
Proprietors and firm members.	1919	6,768	6,506	262	96.1	3.9	16 years of age and over.....	1919	273,918	233,578	40,340	85.3	14.7
	1914	7,220	6,941	278	96.0	4.0		1914	195,905	170,767	25,138	87.2	12.8
	1909	7,674	7,425	249	96.8	3.2		1909	183,372	161,117	22,255	87.9	12.1
Salaried officers of corporations.	1919	4,015	3,848	167	95.8	4.2	Under 16 years of age.....	1919	3,662	2,227	1,435	60.8	39.2
	1914	3,072	2,985	87	97.2	2.8		1914	1,598	969	629	60.6	39.4
	1909	2,621	2,577	44	98.3	1.7		1909	3,612	2,581	1,031	71.5	28.5
Superintendents and managers.	1919	9,579	9,388	191	98.0	2.0							
	1914	4,508	4,454	54	98.8	1.2							
	1909	4,225	4,183	42	99.0	1.0							

TABLE 5.—AVERAGE NUMBER OF WAGE EARNERS FOR SELECTED INDUSTRIES, WITH PER CENT, BY SEX AND AGE: 1919 AND 1914.

INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.			INDUSTRY.	Cen- sus year.	Wage earners (aver- age num- ber).	PER CENT OF TOTAL.		
			16 years of age and over.		Un- der 16 years of age.				16 years of age and over.		Un- der 16 years of age.
			Male.	Fe- male.					Male.	Fe- male.	
All industries.....	1919	277,580	84.1	14.5	1.3	Furniture.....	1919	13,257	86.9	11.0	2.1
	1914	197,503	80.5	12.7	0.8		1914	10,803	96.8	1.9	1.3
	1909	186,984	86.2	11.9	1.9	Glass.....	1919	9,350	82.0	13.2	4.7
Agricultural implements.....	1919	5,533	97.1	2.7	0.2		1914	9,390	90.7	7.6	1.7
	1914	3,991	97.8	2.2	0.1	Iron and steel, steel works and rolling mills..	1919	22,362	99.8	0.2	(²)
Automobile bodies and parts.....	1919	15,229	93.6	0.1	0.3		1914	11,106	100.0	(²)	(²)
	1914	2,517	98.6	1.1	0.2	Knit goods.....	1919	2,675	32.6	60.6	6.8
Automobiles.....	1919	10,544	93.5	6.1	0.4		1914	2,338	29.4	63.3	7.3
	1914	4,402	98.0	1.4	.....	Lumber and timber products.....	1919	4,173	98.7	1.2	0.2
Bread and other bakery products.....	1919	3,759	73.6	24.7	1.7		1914	4,476	99.8	0.1	0.1
	1914	3,188	81.4	17.7	0.9	Lumber, planing-mill products, not includ- ing planing mills connected with sawmills.	1919	2,238	95.8	2.9	1.3
Brick and tile, terra-cotta, and fire-clay prod- ucts.	1919	3,648	96.0	3.7	0.2		1914	2,550	98.8	0.7	0.4
	1914	4,689	96.8	2.8	0.5	Marble and stone work.....	1919	2,004	99.9	0.1	(¹)
Canning and preserving, fruits and vege- tables.	1919	2,049	58.7	39.7	1.6		1914	3,389	99.8	0.1	0.1
	1914	3,198	43.9	54.0	2.1	Paper and wood pulp.....	1919	2,214	95.8	4.1	0.2
Cars and general shop construction and repairs by steam-railroad companies.	1919	23,099	99.5	0.5	.....		1914	1,620	93.4	6.6	0.1
	1914	14,398	99.9	0.1	.....	Printing and publishing, book and job.....	1919	3,041	64.8	29.3	6.0
Cars, steam-railroad, not including opera- tions of railroad companies.	1919	6,050	99.6	0.4	.....		1914	2,529	87.2	28.6	4.2
	1914	5,800	99.9	.....	0.1	Printing and publishing, newspapers and periodicals.	1919	3,511	76.8	22.0	1.3
Clothing, men's.....	1919	3,480	16.3	80.2	3.5		1914	3,395	77.8	20.5	1.7
	1914	2,667	19.1	80.7	0.2	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	2,917	85.4	14.5	0.1
Electrical machinery, apparatus, and sup- plies.	1919	11,756	69.2	29.9	0.9		1914	1,499	92.5	7.4	0.1
	1914	4,075	77.5	22.2	0.3	Slaughtering and meat packing.....	1919	5,691	90.5	8.3	1.1
Engines, steam, gas, and water.....	1919	2,853	96.5	3.5	.....		1914	4,481	93.6	6.0	0.4
	1914	1,311	99.0	0.3	0.1	Structural ironwork, not made in steel works or rolling mills.	1919	2,015	99.9	0.1	.....
Flour-mill and gristmill products.....	1919	2,280	98.3	1.7	.....		1914	1,853	99.9	.....	0.1
	1914	2,281	98.4	1.4	0.2	Tobacco, cigars.....	1919	4,154	18.4	81.4	0.1
Foundry and machine-shop products ¹	1919	20,184	92.0	6.0	2.0		1914	3,583	37.1	62.7	0.1
	1914	11,860	96.9	3.0	0.1	All other industries.....	1919	86,014	77.2	21.0	1.8
							1914	69,814	81.0	17.9	1.1

¹ Includes "iron and steel, tempering and welding," and "machine tools."² Less than one-tenth of 1 per cent.

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TABLE 6.—AVERAGE NUMBER OF WAGE EARNERS, BY SEX AND AGE, AND VALUE OF PRODUCTS FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

CITY.	AVERAGE NUMBER OF WAGE EARNERS IN MANUFACTURING INDUSTRIES.												VALUE OF PRODUCTS.		
	Total.			16 years of age and over.						Under 16 years of age.					
				Male.			Female.								
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
Anderson.....	7,928	3,906	4,393	0,129	3,333	3,710	1,739	541	581	60	32	102	\$38,930,509	\$12,789,369	\$13,764,933
Bloomington.....	1,420	1,057	.....	1,182	946	.....	226	100	.....	12	11	.....	6,816,002	2,329,200	.....
Clinton.....	469	.....	.....	292	.....	.....	177	.....	.....	.....	.....	.....	1,750,794	.....	.....
Crawfordsville.....	785	680	.....	709	572	.....	70	105	.....	6	3	.....	4,837,222	2,548,529	.....
East Chicago.....	8,067	7,482	5,067	8,553	7,331	5,052	387	149	8	17	2	7	80,568,753	41,623,788	23,868,801
Elkhart.....	5,728	2,993	2,942	5,011	2,600	2,548	679	381	344	38	12	50	24,421,494	8,649,200	0,834,750
Elwood.....	2,167	1,961	2,072	1,798	1,619	1,829	358	330	210	11	12	33	15,644,537	8,185,779	8,378,536
Evansville.....	12,526	10,338	8,824	8,762	7,793	6,261	3,043	2,461	2,100	121	119	463	70,230,419	31,426,707	22,289,004
Fort Wayne.....	16,344	11,161	10,298	12,206	8,395	7,494	3,808	2,578	2,353	330	188	451	76,713,262	30,204,634	23,680,809
Frankfort.....	1,275	.....	.....	970	.....	.....	301	.....	.....	4	.....	.....	6,401,263	.....	.....
Hammond.....	6,065	4,281	3,841	5,215	3,453	3,306	724	740	496	126	88	39	59,276,319	20,584,408	15,580,250
Huntington.....	2,165	1,239	1,376	1,710	1,022	1,180	243	198	177	212	19	19	9,977,014	2,790,522	2,227,558
Indianapolis.....	49,077	80,971	31,736	40,559	25,936	26,118	9,057	4,827	5,051	361	208	567	398,666,553	139,700,016	120,313,479
Jeffersonville.....	1,017	1,179	766	998	1,162	753	19	14	12	.....	.....	1	6,732,599	3,528,931	1,915,682
Kokomo.....	6,727	3,289	2,051	6,115	2,952	1,704	593	325	326	19	12	21	38,709,165	10,641,191	5,451,441
La Porte.....	3,502	1,785	1,674	3,042	1,544	1,232	437	210	411	23	11	31	20,580,890	5,929,339	3,971,624
Lafayette.....	2,550	1,310	1,225	2,269	1,711	1,024	232	137	183	49	2	18	12,616,169	5,185,788	4,896,663
Logansport.....	2,338	1,709	2,169	2,123	1,577	1,913	189	127	238	20	6	18	7,746,446	3,671,446	4,201,369
Marion.....	4,646	2,070	2,229	3,593	2,400	1,936	903	545	233	150	25	60	24,325,085	6,705,183	4,282,116
Michigan City.....	3,452	4,442	2,885	2,831	3,926	2,680	430	465	199	191	51	6	37,360,551	15,110,937	8,261,209
Mishawaka.....	5,008	3,332	3,445	3,058	2,746	2,901	1,064	566	458	46	20	86	27,765,010	12,304,174	10,882,846
Muncie.....	6,559	3,687	3,683	5,779	3,224	3,240	715	436	287	65	27	56	33,175,525	10,779,477	8,441,374
New Albany.....	1,239	1,458	1,851	1,050	1,257	1,485	164	186	327	25	15	36	6,766,373	3,235,593	3,323,282
New Castle.....	4,041	1,950	.....	3,694	1,828	.....	419	119	.....	28	8	.....	14,583,738	4,498,192	.....
Peru.....	1,466	787	619	1,120	640	652	319	128	42	27	19	25	4,704,500	1,529,351	1,097,156
Richmond.....	4,938	3,662	3,621	4,015	3,140	3,253	824	504	320	99	18	39	22,893,043	10,251,815	10,373,837
South Bend.....	14,792	12,203	11,789	11,620	10,053	9,893	2,833	2,058	1,510	339	92	386	75,339,165	31,179,978	27,854,627
Terre Haute.....	6,458	5,270	4,347	5,553	4,290	3,094	800	965	621	45	15	32	41,907,818	25,698,719	21,469,859
Vincennes.....	1,191	962	1,233	1,038	903	1,163	149	58	62	4	1	8	7,582,072	5,232,941	4,233,574

TABLE 7.—WAGE EARNERS, BY MONTHS: 1919, 1914, AND 1909.

MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.			MONTH.	NUMBER. ¹			PER CENT OF MAXIMUM.		
	1919	1914	1909	1919	1914	1909		1919	1914	1909	1919	1914	1909
January.....	266,959	199,930	172,476	90.5	95.6	85.6	July.....	278,232	199,301	175,838	94.4	96.7	87.3
February.....	264,261	198,650	177,371	89.6	96.4	88.0	August.....	285,726	201,200	188,311	96.9	97.7	93.5
March.....	261,785	203,312	181,151	88.8	93.7	89.9	September.....	294,892	208,040	198,293	100.0	100.0	98.4
April.....	262,973	205,317	182,641	89.2	99.6	90.6	October.....	288,486	195,400	201,481	97.8	94.9	100.0
May.....	267,312	203,442	182,228	90.6	98.7	90.4	November.....	293,484	180,206	199,937	99.5	87.5	99.2
June.....	272,593	203,167	183,167	92.4	98.6	90.9	December.....	294,317	176,939	200,915	99.8	85.9	99.7

¹ The figures represent the number employed on the 15th of each month or the nearest representative day. Maximum number indicated by **bold-faced** figures, minimum by *italic* figures.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

[The month of maximum employment for each industry is indicated by **bold-faced** figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimums of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
All industries.....	277,580	266,959	264,261	261,785	262,073	267,312	272,593	278,232	285,726	294,892	288,486	293,484	294,317	88.8
Males.....	235,805	226,778	224,609	223,608	224,779	228,611	233,278	238,233	241,049	247,880	241,579	248,506	250,196	89.2
Females.....	41,775	40,181	39,652	38,463	38,194	38,701	39,315	39,999	43,777	47,012	46,907	44,978	44,121	81.2
Agricultural implements.....	5,533	5,650	5,697	5,379	5,054	5,214	5,244	5,426	5,519	5,416	5,770	5,909	6,118	82.6
Automobile bodies and parts.....	15,229	12,949	12,865	13,784	14,488	15,213	15,908	16,343	16,398	16,204	15,458	16,587	16,573	77.6
Automobiles.....	10,544	8,915	8,769	9,283	9,803	10,102	10,201	10,309	10,647	11,002	11,598	12,652	13,247	66.2
Bread and other bakery products.....	3,759	3,504	3,514	3,522	3,595	3,668	3,796	3,893	3,901	3,870	3,925	3,961	3,989	87.8
Brick and tile, terra-cotta, and fire-clay products.....	3,648	2,448	2,621	2,766	3,367	3,931	4,180	4,322	4,289	4,496	4,404	3,774	3,300	54.5
Canning and preserving, fruits and vegetables.....	2,949	1,373	914	801	850	1,046	2,355	2,237	6,063	9,239	6,573	2,377	1,551	8.7
Cars and general shop construction and repairs by steam-railroad companies.....	23,009	22,397	22,251	21,908	21,821	22,231	22,368	22,981	23,329	24,029	24,436	24,596	24,841	87.8
Cars, steam-railroad, not including operations of railroad companies.....	6,650	6,701	7,503	7,191	7,343	7,842	7,757	7,583	5,519	5,476	5,510	5,494	5,881	69.8
Clothing, men's.....	3,480	3,209	3,376	3,294	3,262	3,371	3,409	3,473	3,608	3,610	3,699	3,690	3,759	85.4
Electrical machinery, apparatus, and supplies.....	11,756	9,869	10,177	10,251	10,475	10,943	11,265	12,156	12,771	13,234	13,017	13,521	13,313	72.9
Engines, steam, gas, and water.....	2,853	2,868	3,069	2,997	2,767	2,648	2,711	2,530	2,704	2,860	2,937	2,826	2,970	77.4
Flour-mill and gristmill products.....	2,280	2,263	2,183	2,087	2,170	2,185	2,084	2,227	2,336	2,473	2,463	2,432	2,457	84.3
Foundry and machine-shop products.....	18,828	18,837	17,967	16,618	17,838	18,084	18,010	18,550	19,311	19,083	19,867	20,051	21,126	78.6
Furniture.....	13,267	11,872	12,015	12,311	12,678	13,096	13,258	13,368	13,823	13,803	14,066	14,325	14,471	82.0
Glass.....	9,350	9,908	10,020	9,803	9,464	9,368	9,188	7,884	7,860	9,002	10,004	10,492	9,219	74.9
Iron and steel, steel works and rolling mills.....	22,362	26,083	24,363	23,943	21,464	21,105	21,891	23,284	22,022	22,002	16,639	21,987	23,403	64.0
Knit goods.....	2,675	2,684	2,669	2,641	2,651	2,647	2,629	2,687	2,663	2,681	2,695	2,730	2,753	95.4
Lumber and timber products.....	4,173	3,641	3,656	3,858	3,968	3,958	3,920	3,921	4,096	4,453	4,788	4,922	4,995	70.9

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TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum-is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
Lumber, planing-mill products, not including planing mills connected with sawmills.	2,238	1,777	1,880	1,958	2,064	2,158	2,288	2,358	2,397	2,477	2,487	2,522	2,490	70.5
Marble and stone work.	2,004	1,090	1,048	1,216	1,597	1,837	2,117	2,419	2,651	2,707	2,526	2,389	2,467	38.5
Paper and wood pulp.	2,214	2,247	2,100	2,031	2,008	2,010	2,232	2,265	2,304	2,373	2,385	2,316	2,287	83.8
Printing and publishing, book and job.	3,041	2,778	2,911	2,916	2,977	2,957	3,068	3,109	3,145	3,118	3,176	3,176	3,171	87.4
Printing and publishing, newspapers and periodicals.	3,511	3,398	3,412	3,429	3,450	3,523	3,524	3,521	3,533	3,566	3,599	3,583	3,596	94.4
Rubber tires, tubes, and rubber goods, not elsewhere specified.	2,917	2,688	3,018	3,129	3,064	2,963	2,715	2,708	2,845	2,922	3,006	3,137	2,871	83.7
Slaughtering and meat packing.	5,691	6,664	6,072	5,738	5,359	5,634	5,664	5,589	6,491	5,396	5,500	5,489	5,916	79.4
Structural ironwork, not made in steel works or rolling mills.	2,015	2,738	2,610	2,339	1,999	1,969	1,886	1,871	1,995	1,890	1,358	1,672	1,885	48.9
Tobacco, cigars.	4,154	3,970	4,042	3,976	3,787	3,935	3,886	3,881	3,991	4,233	4,477	4,767	4,803	77.2
All other industries.	87,370	84,214	83,575	82,662	83,611	83,506	85,042	87,577	90,807	93,080	92,083	91,607	90,786	88.7
<i>Industries showing large proportion of females.</i>														
Bread and other bakery products.	940	859	860	858	897	908	940	965	994	972	994	1,009	1,027	83.3
Canning and preserving, fruits and vegetables.	1,197	354	172	185	161	217	659	605	2,808	4,820	3,207	759	417	3.3
Clothing, men's.	2,901	2,777	2,849	2,731	2,711	2,790	2,836	2,897	3,000	2,988	3,060	3,058	3,115	87.0
Electrical machinery, apparatus, and supplies.	3,568	3,283	3,336	3,281	3,321	3,431	3,324	3,519	3,803	3,914	3,821	3,892	3,791	82.2
Furniture.	1,503	1,449	1,381	1,405	1,405	1,521	1,551	1,532	1,634	1,545	1,594	1,621	1,498	85.2
Glass.	1,301	1,383	1,388	1,387	1,304	1,287	1,281	1,101	1,068	1,280	1,380	1,419	1,334	75.3
Knit goods.	1,723	1,695	1,747	1,718	1,705	1,701	1,682	1,679	1,703	1,727	1,742	1,783	1,794	93.6
Printing and publishing, book and job.	975	893	942	938	955	950	977	1,015	1,019	980	1,011	1,014	1,006	87.6
Printing and publishing, newspapers and periodicals.	773	750	738	750	748	779	773	787	789	792	802	798	792	91.0
Rubber tires, tubes, and rubber goods, not elsewhere specified.	426	459	511	455	430	421	381	369	389	409	423	438	427	72.2
Tobacco, cigars.	3,383	3,259	3,270	3,208	3,110	3,234	3,164	3,137	3,207	3,417	3,661	3,910	4,029	77.2
Total for cities.	185,790	177,442	176,804	174,665	176,760	180,350	182,441	186,124	189,365	192,785	194,611	198,778	199,355	87.6
Males.	153,138	145,296	145,189	144,081	145,184	149,305	151,511	154,435	156,198	158,413	159,494	163,373	164,177	87.8
Females.	32,652	32,146	31,615	30,584	30,576	31,045	30,930	31,689	33,167	34,372	35,117	35,405	35,178	86.4
ANDERSON.	7,928	6,901	6,861	6,706	7,115	7,440	7,884	8,521	9,181	8,208	8,642	8,530	8,141	72.8
Males.	6,185	5,320	5,303	5,213	5,545	5,710	6,175	6,705	7,105	7,195	6,819	6,724	6,406	72.5
Females.	1,743	1,581	1,558	1,493	1,570	1,736	1,709	1,816	2,076	2,013	1,823	1,806	1,735	71.9
BLOOMINGTON.	1,420	1,209	1,210	1,250	1,292	1,313	1,350	1,419	1,560	1,583	1,579	1,607	1,662	72.7
Males.	1,186	994	993	1,014	1,055	1,073	1,133	1,186	1,331	1,355	1,353	1,374	1,431	67.3
Females.	234	215	217	236	237	240	217	233	229	228	226	233	231	90.3
CLINTON.	469	448	419	448	408	407	487	486	503	493	486	477	446	83.3
Males.	292	274	243	276	289	290	309	305	324	315	308	300	271	75.0
Females.	177	174	176	172	179	177	178	181	179	178	178	177	175	95.0
CRAWFORDSVILLE.	785	765	703	721	696	705	775	793	786	942	891	807	836	73.9
Males.	714	648	628	650	654	664	733	753	745	708	800	746	749	78.5
Females.	71	117	75	71	42	41	42	40	41	144	91	61	87	27.8
EAST CHICAGO.	8,957	9,985	9,207	9,034	8,684	8,520	8,345	8,717	8,708	8,673	8,514	9,559	9,558	83.7
Males.	8,570	9,430	8,761	8,618	8,293	8,173	8,014	8,362	8,345	8,286	8,147	9,207	9,204	85.0
Females.	387	555	446	416	391	347	331	355	363	387	367	352	354	61.9
ELKHART.	5,728	5,740	5,722	5,727	5,694	5,737	5,725	5,752	5,705	5,672	5,737	5,667	5,868	96.4
Males.	5,031	5,108	5,076	5,074	5,025	5,026	5,010	5,019	4,960	4,936	5,005	4,966	5,185	95.6
Females.	697	632	646	653	669	711	715	733	745	734	732	691	703	84.8
ELWOOD.	2,167	2,304	2,479	2,232	2,037	1,786	1,843	2,138	2,575	2,508	2,111	2,133	1,858	69.4
Males.	1,809	2,005	2,171	1,928	1,743	1,485	1,578	1,858	2,074	1,922	1,540	1,543	1,503	88.3
Females.	358	299	308	304	294	303	265	280	501	586	571	290	295	47.8
EVANSVILLE.	12,526	11,076	12,236	11,962	11,915	12,122	12,124	12,337	12,702	13,251	13,196	13,305	13,139	89.6
Males.	8,824	8,270	8,515	8,331	8,419	8,622	8,647	8,828	9,174	9,402	9,295	9,261	9,124	88.0
Females.	3,702	3,706	3,721	3,631	3,496	3,500	3,477	3,509	3,528	3,849	3,901	4,044	4,062	85.6
FORT WAYNE.	16,344	16,165	15,412	15,382	15,519	15,728	15,197	15,952	16,419	17,091	17,665	17,992	18,608	81.5
Males.	11,360	11,360	11,512	11,512	11,740	11,958	11,469	12,136	12,514	13,007	13,428	13,512	14,080	80.7
Females.	3,980	3,803	3,880	3,870	3,770	3,770	3,728	3,816	3,905	4,084	4,237	4,480	4,528	82.3
FRANKFORT.	1,275	1,188	1,146	1,162	1,155	1,174	1,194	1,277	1,346	1,262	1,397	1,477	1,582	71.3
Males.	974	862	873	903	890	912	931	1,023	1,070	1,052	1,076	1,076	1,130	75.4
Females.	301	270	273	259	265	262	263	254	270	210	321	401	452	50.2
HAMMOND.	6,065	6,760	6,577	6,484	6,573	6,361	6,356	6,423	4,479	4,669	5,168	6,413	6,527	66.4
Males.	5,268	5,958	5,826	5,746	5,802	5,623	5,561	5,593	3,653	3,873	4,333	5,635	5,713	61.3
Females.	797	792	751	738	771	738	795	830	826	796	835	778	814	84.1
HUNTINGTON.	2,165	2,384	2,314	2,323	2,183	2,036	1,888	2,000	2,045	2,106	2,227	2,213	2,261	79.2
Males.	1,906	2,070	2,036	2,050	1,932	1,833	1,764	1,852	1,800	1,852	1,934	1,899	1,957	84.3
Females.	259	314	278	273	251	203	143	236	245	254	293	314	304	46.5
INDIANAPOLIS.	49,977	47,569	46,408	45,289	46,850	47,684	48,882	49,432	51,135	52,544	53,618	54,994	55,319	81.9
Males.	40,763	38,334	37,381	36,334	38,273	38,961	40,144	40,598	41,895	43,065	43,613	44,740	45,318	81.3
Females.	9,214	9,235	9,027	8,955	8,577	8,723	8,738	8,834	9,240	9,479	10,005	10,254	10,001	82.5
JEFFERSONVILLE.	1,017	972	973	969	1,125	1,284	1,287	1,490	1,258	894	597	668	687	40.1
Males.	998	946	951	948	1,107	1,266	1,263	1,458	1,237	882	589	657	675	40.2
Females.	19	26	22	21	18	18	24	32	21	12	11	11	12	34.4
KOKOMO.	6,727	6,089	6,084	6,356	6,544	6,657	6,583	6,606	6,898	7,162	7,351	7,494	6,904	80.6
Males.	6,127	5,485	5,540	5,811	6,090	6,069	6,036	6,079	6,281	6,481	6,606	6,813	6,303	80.5
Females.	600	554	544	545	554	588	547	527	617	681	745	681	591	76.3
LAFAYETTE.	2,550	2,551	2,408	2,337	2,378	2,390	2,454	2,565	2,633	2,693	2,773	2,760	2,858	82.3
Males.	2,283	2,077	2,153	2,090	2,132	2,137	2,208	2,311	2,373	2,440	2,483	2,446	2,548	81.5
Females.	267	274	255	247	246	253	246	254	260	253	290	314	310	78.3
LA PORTE.	3,502	3,550	3,440	3,502	3,471	3,492	3,512	3,544	3,562	3,452	3,491	3,626	3,682	88.3
Males.	3,060	2,802	2,992	3,050	3,049	3,059	3,070	3,090	3,115	3,028	3,046	3,186	3,233	86.7
Females.	442	448	448	452	422	433	442	454	447	424	445	440	449	93.0

1 Excludes Gary and Whiting, to avoid disclosure of individual operations.

MANUFACTURES—INDIANA.

TABLE 8.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

INDUSTRY AND CITY.	Average number employed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OR NEAREST REPRESENTATIVE DAY.												Per cent minimum is of maximum.
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	
LOGANSPORT.....	2,338	2,089	2,077	1,867	1,970	2,086	2,221	2,348	2,441	2,519	2,706	2,709	2,933	66.7
Males.....	2,132	1,915	1,908	1,787	1,897	1,920	2,044	2,172	2,264	2,396	2,440	2,427	2,604	68.6
Females.....	206	174	169	170	163	166	177	176	177	223	266	282	329	49.5
MARION.....	4,646	4,417	4,672	4,617	4,605	4,512	4,497	4,109	4,396	4,768	4,986	5,154	5,119	79.7
Males.....	3,666	3,458	3,582	3,652	3,651	3,580	3,580	3,240	3,302	3,711	3,969	4,116	4,072	78.7
Females.....	980	959	990	965	954	932	917	869	1,094	1,057	1,017	1,039	1,047	82.2
MICHIGAN CITY.....	3,452	2,886	3,731	3,263	3,429	3,929	3,761	3,486	3,588	3,800	3,927	2,755	2,869	70.1
Males.....	2,889	2,241	3,111	2,731	2,879	3,360	3,281	2,938	3,058	3,279	3,362	2,179	2,299	64.8
Females.....	563	645	620	532	550	569	580	548	530	521	565	576	570	80.8
MISHAWAKA.....	5,068	4,866	4,959	5,066	5,100	5,093	5,039	4,908	5,050	4,967	5,142	5,239	5,382	90.4
Males.....	3,978	3,827	3,959	3,995	3,995	3,922	3,819	3,691	3,801	3,923	4,054	4,156	4,288	89.1
Females.....	1,090	1,038	1,094	1,107	1,105	1,124	1,117	1,089	1,065	1,044	1,088	1,083	1,094	91.5
MUNCIE.....	6,559	6,573	6,511	6,435	6,543	6,716	6,740	6,904	6,800	7,169	6,299	6,378	5,574	80.8
Males.....	5,820	5,767	5,768	5,722	5,873	6,062	6,073	6,221	6,057	6,307	5,466	5,618	4,966	77.8
Females.....	739	806	743	713	670	654	673	683	793	862	833	760	608	75.9
NEW ALBANY.....	1,239	997	1,080	1,094	1,115	1,185	1,249	1,300	1,309	1,345	1,308	1,400	1,426	69.9
Males.....	1,065	864	932	930	944	1,008	1,069	1,120	1,142	1,165	1,180	1,204	1,224	70.6
Females.....	174	133	148	164	171	179	180	180	167	180	128	196	202	65.8
NEW CASTLE.....	4,041	3,284	3,076	3,421	3,445	3,755	4,102	4,438	4,549	4,449	4,704	4,712	4,557	65.3
Males.....	3,019	2,851	2,725	3,098	3,095	3,346	3,691	3,936	4,081	3,967	4,239	4,255	4,095	64.0
Females.....	422	433	353	323	349	409	411	452	468	482	465	457	462	67.0
PERU.....	1,466	1,346	1,305	1,313	1,425	1,491	1,683	1,559	1,513	1,590	1,442	1,445	1,480	77.5
Males.....	1,132	1,021	979	989	1,101	1,162	1,340	1,222	1,175	1,213	1,110	1,118	1,154	73.1
Females.....	334	325	326	324	324	329	343	337	338	377	332	327	326	85.9
RICHMOND.....	4,958	4,872	4,625	4,588	4,720	4,821	5,021	5,146	5,248	4,972	5,164	5,163	5,318	85.1
Males.....	4,076	3,770	3,716	3,817	3,897	4,107	4,256	4,346	4,346	4,080	4,254	4,235	4,384	84.8
Females.....	882	802	807	771	823	831	864	890	902	892	910	928	934	82.5
SOUTH BEND.....	14,792	14,096	14,322	14,191	13,984	14,384	14,349	14,678	14,864	14,882	15,118	16,110	16,526	84.6
Males.....	11,797	11,203	11,472	11,359	11,190	11,530	11,470	11,620	11,769	11,751	11,937	12,948	13,369	84.1
Females.....	2,995	2,893	2,850	2,832	2,794	2,854	2,873	3,058	3,095	3,131	3,181	3,162	3,217	85.9
TERRE HAUTE.....	6,453	6,349	6,007	6,078	5,951	6,201	6,648	6,827	6,839	6,838	6,602	6,395	6,691	86.9
Males.....	5,581	5,492	5,213	5,306	5,165	5,404	5,833	5,974	5,896	5,849	5,649	5,412	5,721	85.4
Females.....	877	857	794	772	786	797	815	853	943	989	1,043	983	970	70.7
VINCENNES.....	1,191	1,054	1,042	758	794	1,275	1,233	969	1,237	1,293	1,620	1,610	1,407	46.8
Males.....	1,039	984	976	683	710	1,057	1,061	799	1,031	1,057	1,436	1,421	1,253	49.4
Females.....	162	70	66	75	84	218	172	170	206	236	184	189	154	28.0

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
All industries.....	1919	277,580	14,998	7,779	67,788	49,638	23,546	69,166	28,961	15,704
	1914	197,503	(²)	(²)	29,358	23,549	29,299	50,232	55,021	10,044
	1909	186,984	(²)	(²)	13,609	10,974	23,552	48,040	76,343	14,466
Agricultural implements.....	1919	5,533	.....	.....	163	2,990	162	2,046	172	.....
	1914	3,991	(²)	(²)	2,898	407	332	.....	354	.....
Automobile bodies and parts.....	1919	15,229	4	.....	4,017	2,399	136	8,604	69	.....
	1914	2,817	(²)	(²)	53	69	46	1,765	884	.....
Automobiles.....	1919	10,544	20	481	3,592	2,968	1,591	1,741	151	.....
	1914	4,402	(²)	(²)	259	1,105	149	1,674	1,215	.....
Bread and other bakery products.....	1919	3,759	53	234	675	514	913	498	749	123
	1914	3,188	(²)	(²)	294	37	990	115	1,567	185
Brick and tile, terra-cotta, and fire-clay products.....	1919	3,648	58	.....	585	570	1,513	161	755	.....
	1914	4,689	(²)	(²)	159	284	494	470	3,172	110
Canning and preserving, fruits and vegetables.....	1919	2,949	80	11	321	793	422	260	998	64
	1914	3,198	(²)	(²)	262	188	302	924	1,202	320
Cars and general shop construction and repairs by steam-railroad companies.....	1919	23,099	.....	155	19,470	242	156	3,076	.....	475
	1914	14,398	(²)	(²)	6,806	2,388	3,903	815	11	.....
Cars, steam-railroad, not including operations of railroad companies.....	1919	6,650	417	311	2,427	1,088	.....	2,407	.....	.....
	1914	5,800	(²)	(²)	.....	1,591	95	818	3,296	.....
Clothing, men's.....	1919	3,480	2,257	.....	343	743	57	.....	.....	80
	1914	2,607	(²)	(²)	900	346	1,228	8	176	.....
Electrical machinery, apparatus, and supplies.....	1919	11,756	133	870	7,666	1,888	172	995	32	.....
	1914	4,075	(²)	(²)	1,025	117	6	2,854	73	.....
Engines, steam, gas, and water.....	1919	2,853	1,170	.....	.....	308	8	1,335	32	.....
	1914	1,311	(²)	(²)	69	207	210	608	217	.....
Flour-mill and gristmill products.....	1919	2,280	23	2	624	10	157	100	1,066	298
	1914	2,281	(²)	(²)	80	15	52	36	1,440	653

¹ Includes 48 and under for 1914 and 1909.² Corresponding figures not available.

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48.1	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
Foundry and machine-shop products ¹	1919	20,184	1,120	295	1,752	7,660	2,347	6,048	962	.....
	1914	11,860	(²)	(²)	527	1,200	3,237	4,019	2,870	7
Furniture.....	1919	13,257	5	246	399	1,882	3,141	6,292	1,292	.....
	1914	10,803	(²)	(²)	778	961	1,936	2,872	4,256	.....
Glass.....	1919	9,350	1,725	386	2,985	1,804	629	.....	1,821	.....
	1914	9,390	(²)	(²)	590	3,361	2,290	1,241	1,908	.....
Iron and steel, steel works and rolling mills.....	1919	22,362	4,055	.....	4,685	641	161	1,234	3,141	8,445
	1914	11,106	(²)	(²)	2,900	161	1,662	1,584	4,509	.....
Knit goods.....	1919	2,675	.....	.....	.....	2,179	495	1	.....	.....
	1914	2,338	(²)	(²)	.....	10	.....	2,328	.....	.....
Lumber and timber products.....	1919	4,173	106	19	63	132	360	1,077	2,416	.....
	1914	4,476	(²)	(²)	141	215	680	510	2,930	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	1919	2,238	68	27	119	419	274	922	409	.....
	1914	2,550	(²)	(²)	217	308	507	613	820	.....
Marble and stone work.....	1919	2,004	443	.....	82	594	291	313	281	.....
	1914	3,389	(²)	(²)	208	151	486	975	1,561	10
Paper and wood pulp.....	1919	2,214	.....	58	615	.....	153	94	387	907
	1914	1,620	(²)	(²)	128	.....	.....	.....	668	834
Printing and publishing, book and job.....	1919	3,041	122	69	1,786	888	94	77	5	.....
	1914	2,529	(²)	(²)	1,570	629	249	34	47	.....
Printing and publishing, newspapers and periodicals.....	1919	3,511	78	81	2,217	179	486	368	101	1
	1914	3,395	(²)	(²)	1,752	214	744	499	186	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	1919	2,917	25	.....	57	85	.....	2,663	87	.....
	1914	1,499	(²)	(²)	.....	507	39	448	415	.....
Slaughtering and meat packing.....	1919	5,601	5	671	4,062	44	311	133	382	83
	1914	4,481	(²)	(²)	87	14	137	873	8,877	43
Structural ironwork, not made in steel works or rolling mills.....	1919	2,015	4	.....	58	165	1,422	218	148	.....
	1914	1,853	(²)	(²)	44	104	213	1,094	338	.....
Tobacco, cigars.....	1919	4,154	466	266	966	765	39	1,571	81	.....
	1914	3,583	(²)	(²)	1,377	1,689	139	261	116	1
All other industries.....	1919	86,014	2,561	3,597	8,058	17,688	8,051	26,932	13,424	5,703
	1914	69,814	(²)	(²)	6,277	7,136	8,783	23,294	10,923	7,401
Total for cities ⁴	1919	185,790	8,680	6,843	49,448	42,436	14,330	45,510	14,069	4,474
	1914	126,030	(²)	(²)	22,491	17,698	16,352	38,580	27,419	3,696
ANDERSON.....	1919	7,928	7	13	3,760	1,231	169	2,458	253	42
	1914	3,906	(²)	(²)	1,236	105	156	1,577	779	53
BLOOMINGTON.....	1919	1,420	12	81	44	1,044	23	125	81	10
	1914	1,057	(²)	(²)	4	41	103	214	691	4
CLINTON.....	1919	469	178	.....	192	10	61	.....	4	24
CRAWFORDSVILLE.....	1919	785	3	6	104	97	97	6	414	58
	1914	680	(²)	(²)	42	.....	120	5	475	38
EAST CHICAGO.....	1919	8,957	792	176	870	2,411	9	526	2,055	2,118
	1914	7,482	(²)	(²)	2,614	307	593	1,047	1,683	1,238
ELKHART.....	1919	5,728	176	.....	2,356	998	838	1,194	92	74
	1914	2,993	(²)	(²)	889	473	272	739	527	93
ELWOOD.....	1919	2,167	880	3	365	351	40	398	124	6
	1914	1,961	(²)	(²)	144	5	1,026	382	400	4
EVANSVILLE.....	1919	12,526	358	282	2,604	1,816	2,921	3,893	501	151
	1914	10,333	(²)	(²)	1,376	2,196	2,075	2,425	2,140	121
FORT WAYNE.....	1919	16,344	859	1,260	7,377	4,285	882	1,094	347	240
	1914	11,161	(²)	(²)	3,086	513	1,598	5,285	614	65
FRANKFORT.....	1919	1,275	.....	.....	457	230	1	441	105	41
HAMMOND.....	1919	6,065	636	15	545	1,043	583	3,022	124	97
	1914	4,281	(²)	(²)	237	1,992	454	644	861	93
HUNTINGTON.....	1919	2,165	.....	.....	948	383	469	269	79	17
	1914	1,239	(²)	(²)	90	10	447	317	334	41
INDIANAPOLIS.....	1919	49,977	3,702	2,033	12,959	14,720	2,328	12,209	1,513	513
	1914	30,971	(²)	(²)	5,930	6,152	3,612	8,709	5,585	983
JEFFERSONVILLE.....	1919	1,017	.....	.....	49	91	10	813	17	37
	1914	1,176	(²)	(²)	10	36	200	824	102	4
KOKOMO.....	1919	6,727	5	1,081	1,580	653	1,505	647	1,244	12
	1914	3,289	(²)	(²)	199	325	388	416	1,930	22
LA PORTE.....	1919	3,502	36	.....	45	648	172	2,525	76	.....
	1914	1,765	(²)	(²)	564	248	171	425	355	2
LAFAYETTE.....	1919	2,550	29	257	1,159	487	155	232	159	72
	1914	1,310	(²)	(²)	395	29	116	424	299	47
LOGANSPORT.....	1919	2,338	11	84	1,779	187	67	79	131	20
	1914	1,709	(²)	(²)	987	205	184	36	267	30

¹ Includes 48 and under for 1914.² Corresponding figures not available.³ Includes "iron and steel, tempering and welding," and "machine tools."⁴ Excludes Gary and Whiting, to avoid disclosure of individual operations.

MANUFACTURES—INDIANA.

TABLE 9.—AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Census year.	Total.	IN ESTABLISHMENTS WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—							
			44 and under.	Between 44 and 48.	48. ¹	Between 48 and 54.	54.	Between 54 and 60.	60.	Over 60.
MARION.....	1919	4,646	123	(*)	944	984	488	1,352	642	113
	1914	2,970	(*)	(*)	77	497	126	1,455	738	79
MICHIGAN CITY.....	1919	3,452	2	(*)	2,160	650	68	517	14	39
	1914	4,442	(*)	(*)	148	.....	806	225	3,188	75
MISHAWAKA.....	1919	5,068	3	(*)	37	1,541	80	517	2,890	.....
	1914	3,332	(*)	(*)	52	90	755	2,084	345	6
MUNCIE.....	1919	6,559	.....	131	764	1,005	205	2,310	2,028	116
	1914	3,687	(*)	(*)	146	220	269	353	2,632	67
NEW ALBANY.....	1919	1,239	9	(*)	60	91	193	744	84	55
	1914	1,458	(*)	(*)	471	2	260	406	285	34
NEW CASTLE.....	1919	4,041	8	(*)	46	75	23	3,783	95	11
	1914	1,950	(*)	(*)	33	49	15	1,676	169	8
PERU.....	1919	1,466	.....	7	60	574	210	532	19	64
	1914	787	(*)	(*)	122	110	49	438	44	24
RICHMOND.....	1919	4,038	29	254	785	1,402	1,075	1,094	283	16
	1914	3,662	(*)	(*)	899	684	140	638	1,279	22
SOUTH BEND.....	1919	14,792	764	1,094	4,113	3,892	615	4,030	102	182
	1914	12,203	(*)	(*)	2,357	2,075	599	6,602	471	99
TERRE HAUTE.....	1919	6,453	44	3	3,107	1,338	770	547	344	305
	1914	5,270	(*)	(*)	325	1,290	1,716	863	758	313
VINCENNES.....	1919	1,191	14	58	179	219	273	158	249	41
	1914	962	(*)	(*)	58	44	102	171	461	126

¹ Includes 48 and under for 1914.² Corresponding figures not available.

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																	
	Establishments.	Wage earners (average number).	No wage earners.		1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
All industries.....	7,916	277,580	858	4,115	8,745	1,381	15,438	653	21,353	378	27,240	331	51,531	110	33,386	51	36,666	39	78,221	
Agricultural implements.....	29	5,533	1	7	17	6	71	5	144	3	200	3	496	2	719	.....	.....	2	3,888
Automobile bodies and parts.....	145	15,229	10	53	100	29	397	16	547	10	730	15	2,488	7	2,335	.....	.....	2	6,480
Automobiles.....	27	10,544	.....	2	4	3	48	2	81	3	203	3	529	10	3,899	2	1,245	2	4,535
Bread and other bakery products.....	802	3,759	103	580	1,147	98	985	11	285	5	352	4	680	1	310	.....	.....	.....	.....
Brick and tile, terra-cotta, and fire-clay products.....	151	3,648	1	68	188	33	380	27	959	14	910	7	945	1	266	.....	.....	.....	.....
Canning and preserving, fruits and vegetables.....	136	2,949	1	31	112	71	887	24	708	6	443	2	342	1	457	.....	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	77	23,099	.....	2	5	8	118	12	412	13	925	19	2,878	8	2,711	8	5,667	7	10,383
Cars, steam-railroad, not including operations of railroad companies.....	9	6,650	.....	.....	.....	.....	.....	1	45	1	97	.....	.....	3	1,102	2	1,713	2	3,693
Clothing, men's.....	37	3,480	.....	3	12	10	128	6	204	9	571	6	927	2	721	1	917	.....	.....
Electrical machinery, apparatus, and supplies.....	47	11,756	.....	10	26	13	163	5	198	6	471	6	981	2	669	2	1,287	3	7,961
Engines, steam, gas, and water.....	16	2,853	.....	2	6	5	75	.....	.....	4	301	2	376	1	821	1	604	1	1,170
Flour-mill and gristmill products.....	450	2,280	57	329	681	43	403	13	368	5	393	3	435	.....	.....	.....	.....	.....	.....
Foundry and machine-shop products.....	395	18,828	32	181	295	95	1,118	58	1,974	34	2,578	29	4,506	9	2,845	5	3,254	2	2,258	
Furniture.....	177	13,267	4	24	70	17	224	41	1,462	58	4,207	28	3,951	5	1,811	2	1,532	.....	.....
Glass.....	35	9,350	.....	.....	.....	.....	39	.....	.....	3	198	16	2,081	9	2,791	3	2,070	1	1,271
Iron and steel, steel works and rolling mills.....	23	22,362	.....	.....	.....	.....	.....	.....	.....	1	83	7	1,137	3	1,255	7	5,093	5	14,794
Knit goods.....	8	2,675	.....	1	1	.....	.....	2	94	1	55	1	220	2	793	.....	.....	1	1,512
Lumber and timber products.....	436	4,173	6	309	588	119	1,358	41	1,275	8	519	3	433	.....	.....	.....	.....	.....	.....
Lumber, planing-mill products, not including planing mills connected with sawmills.....	222	2,238	12	131	296	53	605	19	540	3	184	4	613	.....	.....	.....	.....	.....	.....
Marble and stone work.....	166	2,004	29	92	186	24	247	14	459	2	120	4	730	1	262	.....	.....	.....	.....
Paper and wood pulp.....	26	2,214	.....	.....	.....	2	30	9	325	6	482	9	1,377	.....	.....	.....	.....	.....	.....
Printing and publishing, book and job.....	278	3,041	60	135	327	57	675	16	516	7	523	2	274	.....	.....	1	726	.....	.....
Printing and publishing, newspapers and periodicals.....	559	3,511	117	312	716	88	863	34	1,155	6	372	2	405	.....	.....	.....	.....	.....	.....
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	15	2,917	.....	1	2	1	17	2	66	7	534	1	176	2	871	.....	.....	1	1,251
Slaughtering and meat packing.....	57	5,691	1	21	65	16	179	8	267	3	225	6	946	.....	.....	1	660	1	3,349
Structural ironwork, not made in steel works or rolling mills.....	23	2,015	.....	6	14	5	47	4	122	5	362	2	285	.....	.....	.....	.....	1	1,185
Tobacco, cigars.....	252	4,154	86	109	235	37	386	9	323	3	192	5	804	2	645	.....	.....	1	1,599
All other industries.....	3,268	87,370	338	1,756	3,652	545	6,025	274	8,824	152	11,010	144	21,616	39	13,603	13	9,716	7	12,924	

TABLE 10.—SIZE OF ESTABLISHMENTS, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

INDUSTRY AND CITY.	TOTAL.		ESTABLISHMENTS EMPLOYING—																
	Establishments.	Wage earners (average number).	No wage earners.	1 to 5 wage earners, inclusive.		6 to 20 wage earners, inclusive.		21 to 50 wage earners, inclusive.		51 to 100 wage earners, inclusive.		101 to 250 wage earners, inclusive.		251 to 500 wage earners, inclusive.		501 to 1,000 wage earners, inclusive.		Over 1,000 wage earners.	
			Establishments.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.	Establishments.	Wage earners.
Total for cities ¹	3,678	185,790	370	1,544	3,701	788	8,925	385	12,459	237	17,093	210	33,056	75	26,491	41	20,671	28	64,394
ANDERSON.....	99	7,928	4	42	111	19	183	16	527	8	670	3	371	4	1,416	2	1,211	1	3,439
BLOOMINGTON.....	39	1,420	6	17	49	9	86	3	103	2	150	1	114	1	918	1	918	1	918
CLINTON.....	26	469	0	9	20	6	59	3	108	2	232	2	232	1	285	1	285	1	285
CRAWFORDSVILLE.....	55	785	13	22	54	11	123	5	151	3	192	2	285	1	285	1	285	1	285
EAST CHICAGO.....	61	8,957	5	17	25	10	140	3	90	6	486	9	1,322	4	1,350	7	5,544	1	5,544
ELKHART.....	120	5,728	19	49	113	15	184	18	568	8	568	3	497	6	2,106	2	1,892	1	1,892
ELWOOD.....	32	2,167	0	15	39	6	60	2	61	1	68	5	666	2	610	1	673	1	673
EVANSVILLE.....	200	12,526	21	117	251	60	686	35	1,099	32	2,470	28	4,220	3	1,088	2	1,143	1	1,589
FORT WAYNE.....	247	16,344	11	107	293	63	646	29	960	14	949	15	2,781	5	3,231	3	3,231	3	3,231
FRANKFORT.....	34	1,276	0	13	21	12	123	4	129	1	93	8	516	1	393	1	393	1	393
HAMMOND.....	94	6,065	10	40	89	16	186	8	294	7	506	8	1,419	3	1,205	1	726	1	1,640
HUNTINGTON.....	57	2,165	3	26	60	16	184	5	146	3	296	3	629	1	850	1	850	1	850
INDIANAPOLIS.....	1,004	49,977	126	361	883	238	2,730	118	3,797	59	4,120	59	9,197	26	8,900	8	5,563	9	14,787
JEFFERSONVILLE.....	29	1,017	3	15	28	7	88	2	60	1	74	2	767	1	767	1	767	1	767
KOKOMO.....	98	6,727	5	51	104	24	318	4	118	1	94	6	1,078	3	1,262	2	1,376	2	2,377
LA PORTE.....	52	3,502	5	17	42	11	146	8	254	4	263	5	822	1	323	1	748	1	1,652
LAFAYETTE.....	85	2,550	7	33	68	28	338	7	226	5	406	4	764	1	303	1	748	1	1,652
LOGANSPORT.....	67	2,338	6	29	65	20	249	7	224	3	168	1	303	1	748	1	748	1	748
MARION.....	101	4,646	8	38	106	17	172	12	369	12	872	10	1,625	3	860	1	642	1	1,329
MICHIGAN CITY.....	47	3,452	7	17	32	11	143	3	85	6	441	1	249	1	449	1	449	1	2,053
MISHAWAKA.....	32	5,068	5	14	27	4	43	4	130	1	56	2	790	2	790	2	790	2	4,022
MUNCIE.....	121	6,559	10	53	138	20	212	14	483	10	719	9	1,247	2	829	2	1,060	1	1,271
NEW ALBANY.....	93	1,239	13	56	160	10	93	7	243	3	184	4	569	1	449	1	449	1	449
NEW CASTLE.....	33	4,041	2	13	36	9	112	4	164	2	127	1	208	1	208	1	208	1	2,777
PERU.....	40	1,400	0	19	62	9	95	1	40	6	440	4	556	1	273	1	273	1	273
RICHMOND.....	144	4,938	20	69	144	22	256	11	361	10	711	7	904	3	1,055	2	1,447	1	1,447
SOUTH BEND.....	214	14,792	19	91	253	51	596	23	709	12	788	8	1,065	6	2,272	1	863	3	8,246
TERRE HAUTE.....	267	6,458	31	134	298	45	493	24	800	9	672	11	1,705	2	742	1	742	1	742
VINCENNES.....	98	1,191	5	60	140	19	181	5	160	8	520	1	190	1	190	1	190	1	190

¹ Excludes Gary and Whiting, to avoid disclosure of individual operations.

TABLE 11.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS: 1919, 1914, AND 1909.

VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.		
	1919	1914	1909	1919	1914	1909	1919	1914	1909	1919	1914	1909
All classes.....	7,916	8,022	7,969	277,580	197,503	186,984	\$1,898,753,387	\$730,795,021	\$579,075,046	\$723,802,819	\$306,937,864	\$244,700,293
Less than \$5,000.....	1,904	3,014	3,086	1,520	3,601	4,835	5,008,992	7,231,163	7,339,368	3,077,614	4,458,865	4,513,557
\$5,000 to \$20,000.....	2,346	2,413	2,400	6,419	10,621	11,806	25,007,804	24,625,063	24,495,478	13,137,506	13,287,058	13,033,825
\$20,000 to \$100,000.....	1,963	1,610	1,627	20,425	20,001	30,944	91,904,678	73,428,668	73,582,168	41,922,190	33,700,667	33,797,243
\$100,000 to \$500,000.....	1,086	769	764	53,434	83,473	83,346	245,150,178	165,866,014	200,978,938	111,847,257	102,624,022	92,184,974
\$500,000 to \$1,000,000.....	255	93	92	34,373	70,807	56,553	174,838,472	63,605,460	272,079,094	77,126,780	152,807,252	101,170,694
\$1,000,000 and over.....	302	123	92	161,409	70,807	56,553	1,356,843,363	396,840,653	272,079,094	476,691,472	152,807,252	101,170,694
PER CENT DISTRIBUTION.												
All classes.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than \$5,000.....	24.8	37.6	38.7	0.5	1.8	2.3	0.3	1.0	1.3	0.4	1.5	1.8
\$5,000 to \$20,000.....	29.6	30.1	30.1	2.3	5.4	6.3	1.3	3.4	4.2	1.8	4.3	5.3
\$20,000 to \$100,000.....	24.8	20.1	20.4	7.4	14.7	16.5	4.8	10.0	12.7	5.8	11.0	13.8
\$100,000 to \$500,000.....	13.7	9.6	9.6	19.2	42.3	44.6	12.9	22.7	34.7	15.5	33.4	37.7
\$500,000 to \$1,000,000.....	3.2	1.2	1.2	12.4	35.9	30.2	9.2	8.7	47.1	10.7	49.8	41.3
\$1,000,000 and over.....	3.8	1.5	1.2	58.1	35.9	30.2	71.5	54.2	47.1	65.9	49.8	41.3

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
AGRICULTURAL IMPLEMENTS.	29	33	100.0	100.0	5,533	3,991	100.0	100.0	\$31,823,733	\$12,791,461	100.0	100.0	\$19,208,811	\$9,304,796	100.0	100.0
Less than \$5,000.	4	7	13.8	21.2	5	8	0.1	0.2	11,066	19,617	(1)	0.2	6,389	11,679	(1)	0.1
\$5,000 to \$20,000.	5	3	17.2	9.1	36	20	0.7	0.5	70,213	24,820	0.2	0.2	43,543	15,641	0.2	0.2
\$20,000 to \$100,000.	6	10	20.7	30.3	73	154	1.3	3.0	288,666	384,814	0.9	3.0	128,205	206,177	0.7	2.2
\$100,000 to \$500,000.	7	10	24.1	30.8	319	1,148	5.8	28.8	1,814,727	2,806,225	5.7	25.8	1,018,044	2,146,068	5.3	23.1
\$500,000 to \$1,000,000.	3	3	10.3	9.1	495	2,601	8.9	66.7	1,956,472	9,065,985	6.1	70.9	1,183,757	6,925,231	6.2	74.4
\$1,000,000 and over.	4	3	13.8	9.1	4,605	2,601	83.2	66.7	27,682,589	9,065,985	87.0	70.9	16,827,973	6,925,231	87.6	74.4
AUTOMOBILE BODIES AND PARTS	145	48	100.0	100.0	15,229	2,817	100.0	100.0	71,717,249	5,750,588	100.0	100.0	31,648,047	3,304,474	100.0	100.0
Less than \$5,000.	23	9	15.9	18.8	10	19	0.1	0.7	51,918	19,435	0.1	0.3	35,859	9,047	0.1	0.3
\$5,000 to \$20,000.	37	13	25.5	27.1	97	65	0.6	2.3	372,120	142,507	0.5	2.5	198,486	88,858	0.6	2.7
\$20,000 to \$100,000.	35	13	24.1	27.1	515	303	3.4	12.9	1,356,737	619,921	1.9	10.8	769,700	338,884	2.4	10.3
\$100,000 to \$500,000.	22	13	15.2	27.1	1,365	2,370	9.0	84.1	4,972,891	4,968,725	6.9	86.4	2,584,847	2,867,685	8.2	86.8
\$500,000 to \$1,000,000.	14	9	9.7	23.7	2,036	11,206	13.4	73.6	9,473,064	55,490,519	13.2	77.4	4,162,102	23,907,053	13.2	75.5
\$1,000,000 and over.	14	9	9.7	23.7	11,206	11,206	73.6	73.6	55,490,519	55,490,519	77.4	77.4	23,907,053	23,907,053	75.5	75.5
AUTOMOBILES	27	38	100.0	100.0	10,544	4,402	100.0	100.0	107,347,614	23,638,500	100.0	100.0	29,649,869	7,254,010	100.0	100.0
\$5,000 to \$20,000.	4	5	13.2	13.2	21	21	0.5	0.5	42,900	42,900	0.2	0.2	19,591	19,591	0.3	0.3
\$20,000 to \$100,000.	6	6	15.8	15.8	66	66	1.5	1.5	271,254	271,254	1.1	1.1	78,130	78,130	1.1	1.1
\$100,000 to \$500,000.	11	11	28.9	28.9	1,988	1,988	45.2	45.2	3,501,990	3,501,990	14.8	14.8	2,813,711	2,813,711	38.8	38.8
\$500,000 to \$1,000,000.	9	7	33.3	18.4	475	475	4.5	4.5	3,200,530	4,408,065	3.0	18.6	635,886	635,886	2.1	2.1
\$1,000,000 and over.	18	9	66.7	23.7	10,069	2,327	95.5	52.9	104,147,084	15,414,285	97.0	65.2	29,013,983	4,342,578	97.9	50.9
BREAD AND OTHER BAKERY PRODUCTS.	802	825	100.0	100.0	3,759	3,188	100.0	100.0	30,020,059	12,464,260	100.0	100.0	10,543,925	5,230,372	100.0	100.0
Less than \$5,000.	128	333	16.0	40.4	58	258	1.5	8.1	390,024	1,028,089	1.3	8.2	159,829	475,055	1.5	9.1
\$5,000 to \$20,000.	407	394	50.7	47.8	581	980	15.5	30.7	4,494,570	3,623,136	15.0	29.1	1,510,022	1,581,519	14.3	30.2
\$20,000 to \$100,000.	220	83	27.4	10.1	1,140	812	30.3	25.5	9,122,303	3,074,755	30.4	24.7	2,785,820	1,220,490	26.4	23.3
\$100,000 to \$500,000.	38	15	4.7	1.8	698	1,138	18.6	35.7	6,819,489	4,788,280	22.7	38.0	2,271,039	1,953,308	21.5	37.3
\$500,000 to \$1,000,000.	5	5	0.6	0.6	402	402	10.7	10.7	3,178,020	3,178,020	10.6	10.6	1,177,982	1,177,982	11.2	11.2
\$1,000,000 and over.	4	4	0.5	0.5	880	880	23.4	23.4	6,014,747	6,014,747	20.0	20.0	2,639,233	2,639,233	25.0	25.0
BUTTER	92	111	100.0	100.0	1,453	654	100.0	100.0	27,900,732	7,904,719	100.0	100.0	3,852,905	1,231,990	100.0	100.0
Less than \$5,000.	3	14	3.3	12.6	5	8	0.3	1.2	9,609	43,264	(1)	0.5	1,225	7,136	(1)	0.6
\$5,000 to \$20,000.	6	35	6.5	31.5	5	45	0.3	6.9	65,035	424,356	0.2	5.4	15,039	64,217	0.4	5.2
\$20,000 to \$100,000.	35	44	38.0	39.6	79	200	5.4	30.6	1,976,008	2,111,044	7.1	26.7	276,898	350,098	7.2	28.4
\$100,000 to \$500,000.	28	18	30.4	16.2	315	401	21.7	61.3	5,840,498	5,326,055	21.0	67.4	871,624	810,639	22.6	65.8
\$500,000 to \$1,000,000.	12	12	13.0	13.0	374	374	25.7	25.7	8,683,332	8,683,332	31.1	31.1	1,438,863	1,438,863	37.3	37.3
\$1,000,000 and over.	8	8	8.7	8.7	680	680	46.8	46.8	11,320,250	11,320,250	40.6	40.6	1,249,256	1,249,256	32.4	32.4
CARS AND GENERAL SHOP CONSTRUCTION AND REPAIRS BY STEAM-RAILROAD COMPANIES.	77	49	100.0	100.0	23,099	14,398	100.0	100.0	61,232,356	20,585,579	100.0	100.0	36,365,693	11,203,130	100.0	100.0
\$20,000 to \$100,000.	21	19	27.3	38.8	7,614	7,663	2.2	4.6	1,101,047	793,139	1.8	3.9	781,933	490,869	2.3	4.4
\$100,000 to \$500,000.	29	19	37.7	38.8	8,014	6,217	13.0	43.2	6,848,447	4,007,018	11.2	23.8	4,871,927	4,536,397	13.4	40.5
\$500,000 to \$1,000,000.	10	4	13.0	8.2	2,866	2,866	12.4	12.4	7,384,328	3,193,458	12.1	15.5	4,663,338	4,663,338	12.8	12.8
\$1,000,000 and over.	17	7	22.1	14.3	16,705	7,518	72.3	52.2	45,898,534	11,691,964	75.0	56.8	26,010,395	6,176,364	71.5	55.1
ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES.	47	41	100.0	100.0	11,756	4,075	100.0	100.0	41,594,125	8,879,178	100.0	100.0	20,784,448	4,948,531	100.0	100.0
\$5,000 to \$20,000.	10	12	21.3	29.3	49	65	0.4	1.3	123,481	102,995	0.3	1.2	66,812	59,322	0.3	1.2
\$20,000 to \$100,000.	12	16	25.5	39.0	195	360	1.7	8.8	581,544	766,337	1.4	8.6	312,036	413,077	1.5	8.3
\$100,000 to \$500,000.	12	13	25.5	31.7	643	860	5.5	39.8	2,501,206	8,009,846	6.2	90.2	1,400,632	4,476,132	6.7	90.5
\$500,000 to \$1,000,000.	5	5	10.6	17.0	798	798	6.8	6.8	3,540,451	3,540,451	8.5	8.5	1,818,686	1,818,686	8.8	8.8
\$1,000,000 and over.	8	8	17.0	17.0	10,071	10,071	85.7	85.7	34,781,443	34,781,443	83.6	83.6	17,180,283	17,180,283	82.7	82.7
FLOUR-MILL AND GRISTMILL PRODUCTS.	450	512	100.0	100.0	2,280	2,281	100.0	100.0	75,111,435	37,488,223	100.0	100.0	9,371,400	5,247,557	100.0	100.0
Less than \$5,000.	38	82	7.3	16.0	11	58	0.5	2.5	100,644	232,683	0.1	0.6	18,921	53,790	0.2	1.0
\$5,000 to \$20,000.	105	184	23.3	35.9	34	291	3.7	12.8	1,292,371	2,290,653	1.7	6.1	248,097	542,191	2.6	10.3
\$20,000 to \$100,000.	223	197	49.6	38.5	498	711	21.8	31.2	10,728,276	8,251,693	14.3	22.0	1,655,119	1,049,481	17.7	31.4
\$100,000 to \$500,000.	62	34	13.8	6.6	429	544	18.8	23.8	10,776,552	6,815,632	14.3	18.2	1,432,660	1,416,992	15.8	27.0
\$500,000 to \$1,000,000.	11	6	2.4	1.2	198	198	8.7	8.7	7,290,363	3,747,729	9.7	10.0	699,933	699,933	7.5	7.5
\$1,000,000 and over.	16	9	3.6	1.8	1,062	677	46.6	29.7	44,925,229	16,149,833	59.8	43.1	5,266,970	1,585,103	56.2	30.2
FOUNDRY AND MACHINE-SHOP PRODUCTS.	422	348	100.0	100.0	20,184	11,860	100.0	100.0	91,528,971	35,013,983	100.0	100.0	51,549,226	20,861,054	100.0	100.0
Less than \$5,000.	85	93	20.1	26.7	56	102	0.3	0.9	223,640	221,105	0.2	0.6	165,506	157,280	0.3	0.8
\$5,000 to \$20,000.	92	96	21.8	27.6	315	509	1.6	4.3	1,001,810	1,065,801	1.1	3.0	654,663	668,570	1.3	3.2
\$20,000 to \$100,000.	111	96	26.3	27.6	1,780	2,338	8.8	19.7	5,811,531	4,726,107	6.3	13.5	3,498,559	2,640,592	6.8	12.7
\$100,000 to \$500,000.	9															

TABLE 12.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR SELECTED INDUSTRIES: 1919 AND 1914—Con.

INDUSTRY AND VALUE OF PRODUCT.	NUMBER OF ESTABLISHMENTS.				AVERAGE NUMBER OF WAGE EARNERS.				VALUE OF PRODUCTS.				VALUE ADDED BY MANUFACTURE.			
	1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.		1919	1914	Per cent distribution.	
			1919	1914			1919	1914			1919	1914			1919	1914
PRINTING AND PUBLISHING, NEWSPAPERS AND PERIODICALS.....	559	622	100.0	100.0	3,511	3,395	100.0	100.0	\$19,184,687	\$10,163,181	100.0	100.0	\$13,496,852	\$7,582,769	100.0	100.0
Less than \$5,000.....	242	353	43.3	56.8	243	550	6.9	16.2	664,912	884,942	3.5	8.7	513,020	721,625	3.8	9.5
\$5,000 to \$20,000.....	180	180	32.2	28.9	606	894	17.3	26.3	1,870,640	1,785,550	9.8	17.6	1,396,573	1,412,922	10.3	18.6
\$20,000 to \$100,000.....	100	70	17.9	11.3	953	837	27.1	24.7	4,223,931	2,900,604	22.0	28.5	3,154,052	2,230,965	23.4	29.4
\$100,000 to \$500,000.....	33	19	5.9	3.1	1,228	1,114	35.0	32.8	6,976,025	4,592,085	36.4	45.2	4,943,215	3,217,257	36.6	42.4
\$500,000 to \$1,000,000.....	24	4	0.7	0.0	481	150	13.7	4.5	5,449,179	1,000,000	28.4	0.0	3,439,302	0	25.9	0.0
SLAUGHTERING AND MEAT PACKING.....	57	65	100.0	100.0	5,691	4,481	100.0	100.0	134,028,726	51,021,537	100.0	100.0	12,339,032	4,759,426	100.0	100.0
\$5,000 to \$20,000.....	3	11	5.3	16.9	6	21	0.1	0.5	43,441	113,776	(*)	0.2	12,593	29,030	0.1	0.6
\$20,000 to \$100,000.....	11	22	19.3	33.8	27	80	0.5	1.8	642,526	1,048,234	0.5	2.1	95,877	178,375	0.8	3.7
\$100,000 to \$500,000.....	24	20	42.1	30.8	236	519	4.1	11.6	5,817,761	4,388,094	4.3	8.6	876,711	1,079,181	7.1	22.7
\$500,000 to \$1,000,000.....	6	4	10.5	6.2	150	150	2.6	4.0	4,015,350	3,203,403	3.0	6.3	638,704	0	5.2	0.0
\$1,000,000 and over.....	13	8	22.8	12.3	5,272	3,861	92.6	86.2	123,500,648	42,207,940	92.1	82.8	10,715,087	3,472,840	86.8	73.0

* Includes the groups "\$50,000 to \$1,000,000" and "\$1,000,000 and over."

* Includes the group "\$1,000,000 and over."

* Includes the group "Less than \$5,000."

* Less than one-tenth of 1 per cent.

* Includes the group "\$500,000 to \$1,000,000."

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919.

CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Amount.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
ANDERSON.....	99	7,928	100.0	\$38,930,509	100.0	\$16,840,340	100.0	FORT WAYNE.....	247	16,344	100.0	\$76,713,262	100.0	\$38,804,767	100.0
Less than \$5,000.....	10	11	0.1	28,881	0.1	17,287	0.1	Less than \$5,000.....	34	37	0.2	101,051	0.1	60,263	0.2
\$5,000 to \$20,000.....	29	94	1.2	321,682	0.8	182,758	1.1	\$5,000 to \$20,000.....	69	212	1.3	758,907	1.0	460,559	1.2
\$20,000 to \$100,000.....	23	337	4.3	1,100,953	2.8	511,921	3.0	\$20,000 to \$100,000.....	74	894	5.5	3,617,644	4.7	1,869,396	4.8
\$100,000 to \$500,000.....	24	986	12.2	5,027,274	12.9	2,261,704	12.4	\$100,000 to \$500,000.....	40	1,748	10.7	9,092,838	11.9	3,793,457	9.8
\$500,000 to \$1,000,000.....	7	947	11.9	4,805,302	12.3	2,128,203	12.6	\$500,000 to \$1,000,000.....	13	1,175	7.2	7,994,488	10.4	3,958,826	10.2
\$1,000,000 and over.....	6	5,573	70.3	27,636,437	71.0	11,748,407	69.8	\$1,000,000 and over.....	17	12,278	75.1	55,148,334	71.0	25,661,996	73.9
BLOOMINGTON.....	39	1,420	100.0	6,816,002	100.0	2,565,903	100.0	FRANKFORT.....	34	1,275	100.0	6,401,263	100.0	2,149,045	100.0
Less than \$5,000.....	10	7	0.5	18,548	0.3	13,372	0.5	Less than \$5,000.....	7	6	0.4	19,624	0.3	9,325	0.4
\$5,000 to \$20,000.....	6	16	1.1	74,429	1.1	26,769	1.0	\$5,000 to \$20,000.....	4	10	0.8	46,671	0.7	23,251	1.1
\$20,000 to \$100,000.....	15	116	8.2	609,460	8.9	247,552	9.6	\$20,000 to \$100,000.....	13	146	11.5	612,991	9.6	298,572	13.9
\$100,000 and over.....	8	1,281	90.2	6,113,565	89.7	2,278,210	88.8	\$100,000 to \$500,000.....	7	403	31.6	1,932,679	30.2	643,868	30.0
CLINTON.....	26	469	100.0	1,750,794	100.0	737,342	100.0	\$500,000 and over.....	3	711	55.8	3,792,298	59.2	1,174,029	54.6
Less than \$5,000.....	6	4	0.9	13,775	0.8	10,573	1.4	HAMMOND.....	94	6,065	100.0	59,276,319	100.0	19,324,580	100.0
\$5,000 to \$20,000.....	7	12	2.6	73,856	4.2	37,968	5.1	Less than \$5,000.....	17	10	0.2	54,328	0.1	27,833	0.1
\$20,000 to \$100,000.....	9	118	25.2	359,614	20.5	178,078	24.2	\$5,000 to \$20,000.....	21	48	0.8	218,284	0.4	116,135	0.6
\$100,000 and over.....	4	335	71.4	1,303,549	74.5	510,723	69.3	\$20,000 to \$100,000.....	25	236	3.9	1,163,634	2.0	653,657	3.4
CRAWFORDSVILLE.....	55	785	100.0	4,837,222	100.0	1,966,926	100.0	\$100,000 to \$500,000.....	17	950	15.7	4,242,716	7.2	2,428,473	12.6
Less than \$5,000.....	14	2	0.3	80,277	0.6	14,241	0.7	\$500,000 to \$1,000,000.....	4	455	7.5	2,682,419	4.5	1,596,992	8.0
\$5,000 to \$20,000.....	18	53	6.8	220,135	4.6	89,758	4.6	\$1,000,000 and over.....	10	4,366	72.0	50,914,938	85.9	14,563,490	75.4
\$20,000 to \$100,000.....	12	164	20.9	639,796	13.2	337,031	18.2	HUNTINGTON.....	57	2,165	100.0	9,977,014	100.0	5,479,055	100.0
\$100,000 and over.....	11	566	72.1	3,947,014	81.6	1,505,896	76.6	Less than \$5,000.....	12	19	0.9	26,493	0.3	19,555	0.4
EAST CHICAGO.....	61	8,957	100.0	89,568,753	100.0	26,234,676	100.0	\$5,000 to \$20,000.....	15	41	1.9	132,541	1.3	79,136	1.4
Less than \$5,000.....	10	5	0.1	25,542	(*)	11,202	(*)	\$20,000 to \$100,000.....	15	159	7.3	730,280	7.8	363,018	6.6
\$5,000 to \$20,000.....	11	19	0.2	115,539	0.1	52,983	0.2	\$100,000 to \$500,000.....	8	261	12.1	1,752,780	17.6	787,143	14.4
\$20,000 to \$100,000.....	8	120	1.3	427,006	0.5	224,398	0.9	\$500,000 to \$1,000,000.....	4	403	18.6	2,626,568	26.3	1,333,382	24.3
\$100,000 to \$500,000.....	10	605	6.8	3,264,759	3.6	1,425,281	5.4	\$1,000,000 and over.....	3	1,282	59.2	4,658,362	46.7	2,896,821	52.9
\$500,000 to \$1,000,000.....	3	468	5.2	2,626,404	2.9	1,418,383	5.4	INDIANAPOLIS.....	1004	49,977	100.0	398,666,553	100.0	131,912,215	100.0
\$1,000,000 and over.....	19	7,740	86.4	83,109,503	92.8	23,102,429	88.1	Less than \$5,000.....	158	59	0.1	381,024	0.1	248,040	0.2
ELKHART.....	120	5,728	100.0	24,421,494	100.0	11,059,658	100.0	\$5,000 to \$20,000.....	258	746	1.5	2,787,366	0.7	1,657,789	1.3
Less than \$5,000.....	26	27	0.5	70,177	0.3	38,537	0.3	\$20,000 to \$100,000.....	294	3,297	6.6	14,437,040	3.6	8,011,505	6.1
\$5,000 to \$20,000.....	32	75	1.3	336,491	1.4	193,338	1.7	\$100,000 to \$500,000.....	188	8,944	17.9	42,865,815	10.6	20,807,852	15.8
\$20,000 to \$100,000.....	32	490	8.6	1,688,073	6.8	842,160	7.8	\$500,000 to \$1,000,000.....	43	5,795	11.6	30,025,186	7.5	13,817,833	10.5
\$100,000 to \$500,000.....	17	683	11.9	3,350,606	13.7	1,602,660	14.5	\$1,000,000 and over.....	65	31,136	62.3	308,670,122	77.4	87,374,696	66.2
\$500,000 to \$1,000,000.....	4	1,143	20.0	2,968,383	12.2	2,043,820	18.5	KOKOMO.....	98	6,727	100.0	38,709,165	100.0	17,116,457	100.0
\$1,000,000 and over.....	9	3,310	57.8	16,027,764	65.6	6,339,143	57.3	Less than \$5,000.....	14	9	0.1	30,510	0.1	15,855	0.1
ELWOOD.....	32	2,167	100.0	16,644,537	100.0	5,126,328	100.0	\$5,000 to \$20,000.....	33	88	1.3	306,855	0.8	138,183	0.8
Less than \$5,000.....	10	27	1.2	91,067	0.6	52,987	1.0	\$20,000 to \$100,000.....	23	227	3.4	1,112,709	2.9	546,685	3.2
\$5,000 to \$20,000.....	12	112	5.2	405,492	2.6	206,246	4.0	\$100,000 to \$500,000.....	18	899	13.4	5,056,765	12.9	1,837,406	9.6
\$20,000 to \$100,000.....	5	434	20.0	1,347,103	8.6	588,365	11.4	\$1,000,000 and over.....	10	5,504	81.8	32,253,326	83.3	14,778,378	86.3
\$500,000 and over.....	5	1,594	73.6	13,800,875	88.2	4,280,725	83.5	LA PORTE.....	52	3,502	100.0	20,580,890	100.0	10,050,147	100.0
EVANSVILLE.....	299	12,526	100.0	70,230,419	100.0	26,081,627	100.0	Less than \$5,000.....	3	.....	(*)	6,136	(*)	3,479	(*)
Less than \$5,000.....	62	42	0.3	130,779	0.2	76,374	0.3	\$5,000 to \$20,000.....	16	40	1.1	195,006	0.9	84,375	0.8
\$5,000 to \$20,000.....	60	184	1.5	633,414	0.9	319,531	1.2	\$20,000 to \$100,000.....	14	202	5.8	787,244	3.8	438,247	4.4
\$20,000 to \$100,000.....	73	841	6.7	3,569,316	5.1	1,632,478	6.5	\$100,000 to \$500,000.....	13	602	17.2	2,863,201	13.9	1,276,668	12.7
\$100,000 to \$500,000.....	74	4,421	35.3	19,364,932	27.6	9,856,984	37.8	\$500,000 and over.....	6	2,658	75.9	16,729,303	81.3	8,246,878	82.1
\$500,000 to \$1,000,000.....	20	3,259	26.0	14,337,616	20.4	6,762,147	25.9								
\$1,000,000 and over.....	10	3,779	30.2	32,194,362	45.8	7,374,113	28.3								

* Excludes Gary, Jeffersonville, Michigan City, and Whiting, to avoid disclosure of individual operations.

* Less than one-tenth of 1 per cent.

TABLE 13.—SIZE OF ESTABLISHMENTS, BY VALUE OF PRODUCTS, FOR CITIES OF 10,000 INHABITANTS OR MORE: 1919—Continued.

CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		CITY AND VALUE OF PRODUCT. ¹	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.	
		Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.			Average number.	Per cent of total.	Amount.	Per cent of total.	Amount.	Per cent of total.
LAFAYETTE.....	85	2,550	100.0	\$12,616,169	100.0	\$5,737,385	100.0	NEW CASTLE.....	33	4,041	100.0	\$14,583,738	100.0	\$6,085,172	100.0
Less than \$5,000.....	14	10	0.4	41,500	0.3	31,031	0.5	Less than \$5,000.....	3	3	0.1	6,662	(2)	5,026	0.1
\$5,000 to \$20,000.....	24	83	3.3	337,199	2.7	162,067	2.7	\$5,000 to \$20,000.....	3	25	0.6	85,524	0.6	42,631	0.7
\$20,000 to \$100,000.....	28	362	13.8	1,376,187	10.9	757,792	13.2	\$20,000 to \$100,000.....	11	98	2.4	465,948	3.2	227,734	3.7
\$100,000 to \$500,000.....	15	868	34.0	4,184,233	33.2	2,028,907	35.4	\$100,000 and over.....	11	3,915	96.9	14,025,604	96.2	5,809,781	95.5
\$1,000,000 and over.....	4	1,237	48.5	6,678,050	52.9	2,767,598	48.2								
LOGANSPOUT.....	67	2,338	100.0	7,746,446	100.0	3,821,932	100.0	PERU.....	40	1,466	100.0	4,704,560	100.0	2,259,484	100.0
Less than \$5,000.....	11	5	0.2	30,053	0.4	16,092	0.4	Less than \$5,000.....	8	8	0.5	9,949	0.2	7,043	0.3
\$5,000 to \$20,000.....	16	44	1.9	162,345	2.1	89,559	2.3	\$5,000 to \$20,000.....	13	47	3.2	149,015	3.2	92,529	4.1
\$20,000 to \$100,000.....	31	464	19.8	1,461,576	18.9	792,888	20.7	\$20,000 to \$100,000.....	11	137	9.3	523,292	11.1	248,651	11.0
\$100,000 and over.....	9	1,825	78.1	6,092,472	78.6	2,923,393	76.5	\$100,000 and over.....	13	1,274	86.9	4,022,304	85.5	1,911,261	84.6
MARION.....	101	4,046	100.0	24,325,085	100.0	9,506,264	100.0	RICHMOND.....	144	4,938	100.0	22,893,643	100.0	10,181,945	100.0
Less than \$5,000.....	15	10	0.2	36,048	0.1	20,028	0.2	Less than \$5,000.....	35	16	0.3	81,397	0.4	54,658	0.5
\$5,000 to \$20,000.....	22	66	1.4	266,291	1.1	127,572	1.3	\$5,000 to \$20,000.....	44	97	2.0	515,415	2.3	277,534	2.7
\$20,000 to \$100,000.....	27	295	6.3	1,395,064	5.7	631,000	6.6	\$20,000 to \$100,000.....	26	268	5.4	1,159,199	5.1	569,639	5.6
\$100,000 to \$500,000.....	22	1,566	33.7	5,435,814	22.3	2,451,729	25.8	\$100,000 to \$500,000.....	26	1,201	24.3	6,145,131	26.8	2,320,861	22.8
\$500,000 to \$1,000,000.....	8	845	18.2	5,407,398	22.2	1,999,255	21.0	\$500,000 to \$1,000,000.....	7	812	18.6	4,676,932	20.4	1,703,096	16.7
\$1,000,000 and over.....	7	1,804	40.1	11,794,470	48.5	4,276,680	45.0	\$1,000,000 and over.....	6	2,444	49.5	10,315,569	45.1	5,256,167	51.6
MISHAWAKA.....	32	5,068	100.0	27,765,010	100.0	13,737,273	100.0	SOUTH BEND.....	214	14,792	100.0	75,339,165	100.0	36,633,018	100.0
Less than \$5,000.....	7	4	0.1	17,399	0.1	13,102	0.1	Less than \$5,000.....	33	19	0.1	78,247	0.1	51,303	0.1
\$5,000 to \$20,000.....	11	37	0.7	98,256	0.4	53,512	0.4	\$5,000 to \$20,000.....	56	208	1.4	707,916	1.0	412,354	1.1
\$20,000 to \$100,000.....	3	10	0.2	105,340	0.4	64,109	0.5	\$20,000 to \$100,000.....	70	765	5.2	3,135,143	4.2	1,594,811	4.4
\$100,000 and over.....	11	5,017	99.0	27,544,018	99.2	13,606,560	99.0	\$100,000 to \$500,000.....	33	1,228	8.3	6,610,820	8.8	3,326,286	9.1
MUNCIE.....	121	6,559	100.0	33,175,525	100.0	14,365,274	100.0	\$500,000 to \$1,000,000.....	12	1,719	11.6	8,276,971	11.0	3,611,313	9.9
Less than \$5,000.....	21	10	0.2	55,054	0.2	33,157	0.2	\$1,000,000 and over.....	10	10,853	73.4	50,470,068	75.0	27,636,951	75.4
\$5,000 to \$20,000.....	34	98	1.5	355,133	1.1	195,964	1.4	TERRE HAUTE.....	257	6,458	100.0	41,967,818	100.0	15,064,938	100.0
\$20,000 to \$100,000.....	29	397	6.1	1,445,203	4.4	622,230	4.3	Less than \$5,000.....	57	40	0.6	171,078	0.4	109,160	0.7
\$100,000 to \$500,000.....	20	1,004	15.3	4,281,222	12.9	2,308,339	16.1	\$5,000 to \$20,000.....	91	207	3.2	924,224	2.2	531,488	3.5
\$500,000 to \$1,000,000.....	11	1,188	18.1	6,800,116	20.5	2,968,997	20.6	\$20,000 to \$100,000.....	57	585	9.1	2,620,065	6.2	1,365,693	9.1
\$1,000,000 and over.....	6	8,862	58.9	20,238,797	61.0	8,248,987	57.4	\$100,000 to \$500,000.....	35	1,545	23.9	5,725,768	20.8	3,961,251	26.3
NEW ALBANY.....	93	1,239	100.0	6,766,373	100.0	2,638,813	100.0	\$500,000 to \$1,000,000.....	9	953	14.8	5,902,742	14.1	1,895,755	12.6
Less than \$5,000.....	23	19	1.5	55,980	0.8	36,570	1.4	\$1,000,000 and over.....	8	3,128	48.4	23,623,941	56.3	7,201,591	47.8
\$5,000 to \$20,000.....	39	133	10.7	458,415	6.8	257,298	9.7	VINCENNES.....	98	1,191	100.0	7,582,072	100.0	2,996,305	100.0
\$20,000 to \$100,000.....	19	225	18.2	861,930	12.7	380,031	14.4	Less than \$5,000.....	15	9	0.8	39,841	0.5	25,540	0.9
\$100,000 to \$500,000.....	8	391	31.6	1,828,381	27.0	907,009	34.4	\$5,000 to \$20,000.....	42	116	9.7	434,725	5.7	217,718	7.3
\$500,000 and over.....	4	471	38.0	3,581,667	52.6	1,067,905	40.1	\$20,000 to \$100,000.....	25	284	23.8	2,060,732	27.3	675,610	22.5
								\$100,000 to \$500,000.....	12	482	40.5	2,877,826	38.0	1,142,970	38.1
								\$500,000 to \$1,000,000.....	4	300	25.2	2,162,948	28.5	934,469	31.2

¹ Excludes Gary, Jeffersonville, Michigan City, and Whiting, to avoid disclosure of individual operations.² Includes the group "\$500,000 to \$1,000,000."³ Less than one-tenth of 1 per cent.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.				
All industries.....	1919	3,539	2,963	1,414	277,580	11,998	254,627	10,955	4.3	91.7	3.9	\$1,898,753,387	\$64,089,047	\$1,774,035,258	\$60,029,082	3.4	93.5	3.2				
	1914	3,786	2,680	1,576	197,503	13,574	173,176	10,753	6.9	87.7	5.4	730,795,021	40,193,437	653,169,994	37,426,540	5.5	89.4	5.1				
	1909	3,904	2,363	1,702	186,984	15,007	158,631	12,746	8.3	84.8	6.8	579,075,046	40,929,084	495,570,090	42,575,872	7.1	85.6	7.4				
Agricultural implements..	1919	5	22	2	5,533	130	5,503	.....	0.5	99.5	.....	31,823,733	1,102,304	31,721,429	.....	0.3	99.7	.....			
	1914	8	23	2	3,991	132	3,959	.....	0.8	99.2	.....	12,791,461	155,657	12,735,804	.....	0.4	99.6	.....			
Automobile bodies and parts.	1919	42	76	27	15,229	330	14,783	116	2.2	97.1	0.8	71,717,249	1,031,668	70,203,858	481,723	1.4	97.9	0.7				
	1914	11	34	3	2,817	29	2,781	7	1.0	98.7	0.2	5,750,588	57,730	5,672,356	20,502	1.0	98.6	0.4				
Automobiles.....	1919	1	25	1	10,544	.....	10,544	.....	100.0	.....	.....	107,347,614	.....	107,347,614	.....	100.0	.....	.....		
	1914	2	35	1	4,402	.....	4,402	.....	100.0	.....	.....	23,638,500	.....	23,638,500	.....	100.0	.....	.....		
Bread and other bakery products.	1919	613	51	138	3,759	1,459	1,804	496	38.8	48.0	13.2	30,020,059	11,760,473	13,973,454	4,286,132	39.2	46.5	14.3				
	1914	658	33	134	3,188	1,450	1,310	428	45.5	41.1	13.4	12,464,260	5,488,250	5,387,240	1,588,770	44.0	43.2	12.7				
Butter.....	1919	22	49	21	1,453	68	1,310	75	4.7	90.2	5.2	27,900,732	1,375,011	23,915,531	2,610,190	4.9	85.7	9.4				
	1914	36	36	39	654	100	408	146	15.3	62.4	22.3	7,904,719	1,080,687	5,147,160	1,670,872	13.7	65.1	21.1				
Canning and preserving, fruits and vegetables.	1919	27	85	24	2,949	189	2,292	468	6.4	77.7	15.9	18,898,767	678,856	16,232,870	1,992,541	3.6	85.9	10.5				
	1914	26	72	21	3,198	150	2,704	344	4.7	84.6	10.8	8,376,249	164,364	7,481,101	730,784	2.0	89.3	8.7				
Cars and general shop construction and repairs by steam-railroad companies.	1919	.....	77	.....	23,099	.....	23,099	.....	100.0	.....	.....	61,232,356	.....	61,232,356	.....	100.0	.....	.....		
	1914	.....	49	.....	14,398	.....	14,398	.....	100.0	.....	.....	20,585,579	.....	20,585,579	.....	100.0	.....	.....		
Cars, steam-railroad, not including operations of railroad companies.	1919	.....	9	.....	6,650	.....	6,650	.....	100.0	.....	.....	86,021,028	.....	86,021,028	.....	100.0	.....	.....		
	1914	.....	10	.....	5,800	.....	5,800	.....	100.0	.....	.....	21,570,441	.....	21,570,441	.....	100.0	.....	.....		

¹ Includes the group "All others."² Includes the groups "Individuals" and "All others."

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.						
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.				
						Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		
Cement.....	1919 1914	1 1	5 6	..... .....	1,953 2,354	..... .....	1,953 2,354	..... .....	100.0 100.0	..... .....	\$13,362,808 10,106,700	..... .....	\$13,362,808 10,106,700	..... .....	100.0 100.0	..... .....	..... .....	..... .....
Clothing, men's.....	1919 1914	6 7	20 19	11 5	3,480 2,667	92 102	2,921 2,856	467 209	2.6 3.8	83.9 88.3	13.4 7.8	15,000,047 5,369,015	\$206,046 96,688	12,764,319 4,805,008	\$2,029,682 467,319	1.4 1.8	85.1 89.5	13.5 8.7		
Electrical machinery, ap- paratus, and supplies.	1919 1914	2 4	43 35	2 2	11,766 4,075	210 222	11,746 4,053	..... .....	0.1 0.5	99.9 99.5	..... .....	41,594,125 8,879,178	235,240 51,168	41,558,885 8,828,020	..... .....	0.1 0.6	99.9 99.4	..... .....	
Engines, steam, gas, and water.	1919 1914	3 5	12 14	1 2	2,853 1,311	233 244	2,820 1,267	..... .....	1.2 3.4	98.8 96.6	..... .....	14,472,788 2,808,386	68,728 64,874	14,404,060 2,743,512	..... .....	0.5 2.3	99.5 97.7	..... .....	
Flour-mill and gristmill products.	1919 1914	202 218	132 124	116 170	2,280 2,281	320 412	1,674 1,416	286 453	14.0 18.1	73.4 62.1	12.5 10.9	75,111,435 37,488,223	7,332,454 27,284,572	60,545,702 14,404,060	7,233,279 5,660,708	9.8 12.1	80.6 72.8	9.6 15.1		
Foundry and machine- shop products. ^a	1919 1914	133 117	228 186	61 45	20,184 11,800	595 808	18,794 10,815	795 237	2.9 6.8	93.1 91.2	3.9 2.0	91,528,971 35,013,983	2,324,057 2,481,423	85,103,148 31,438,968	4,101,766 1,093,592	2.5 7.1	93.0 89.8	4.5 3.1		
Furniture.....	1919 1914	21 36	140 144	16 17	13,257 10,803	488 525	12,165 9,855	604 423	3.7 4.0	91.8 91.2	4.6 3.9	52,350,282 21,412,315	1,830,671 1,212,814	48,397,240 19,150,126	2,116,365 1,049,375	3.5 5.7	92.4 89.4	4.0 4.9		
Gas, illuminating and heating.	1919 1914	1	52 51	..... 9	1,902 1,668	..... .....	1,902 1,653	15	100.0 99.1	..... 0.9	..... .....	12,454,206 6,398,147	..... 6,358,335	12,454,206 .....	..... 39,812	100.0 99.4	..... 0.6	..... .....	
Glass.....	1919 1914	..... 3	35 37	..... 1	9,350 9,390	..... 275	9,350 8,815	..... .....	100.0 93.9	..... .....	..... .....	30,106,652 14,881,372	..... 250,561	30,106,652 12,340,821	..... .....	100.0 96.3	..... .....	..... .....
Iron and steel, steel works and rolling mills.	1919 1914	..... .....	23 19	..... .....	22,362 11,106	..... .....	22,362 11,106	..... .....	100.0 100.0	..... .....	..... .....	199,273,518 58,882,522	..... 58,882,522	199,273,518 .....	..... .....	100.0 100.0	..... .....	..... .....
Lumber and timber prod- ucts.	1919 1914	270 302	79 69	137 171	4,173 4,476	1,111 1,722	1,946 1,439	1,116 1,315	26.6 38.5	46.6 32.1	26.7 29.4	17,775,935 9,740,760	3,885,303 3,457,739	9,741,085 3,937,735	4,149,547 2,345,292	21.9 35.5	54.8 40.4	23.3 24.1		
Lumber, planing-mill products, not including planing mills connected with sawmills.	1919 1914	56 66	126 120	40 54	2,238 2,550	210 280	1,858 1,856	170 414	9.4 11.0	83.0 72.8	7.6 16.2	14,102,002 10,006,940	1,099,093 786,036	12,080,477 7,997,101	922,432 1,223,803	7.8 7.9	85.7 79.9	6.5 12.2		
Printing and publishing, book and job.	1919 1914	145 148	79 66	54 63	3,041 2,529	523 598	2,326 1,694	192 237	17.2 23.6	76.5 67.0	6.3 9.4	10,741,232 6,237,228	1,806,775 1,380,597	8,150,788 4,206,989	783,669 589,642	16.8 22.1	75.9 68.4	7.2 9.5		
Printing and publishing, newspapers and period- icals.	1919 1914	293 353	144 149	122 120	3,511 3,395	729 1,210	2,112 1,857	670 328	20.8 35.6	60.2 54.7	19.1 9.7	19,184,687 10,103,181	2,221,801 3,053,438	12,107,549 6,028,505	4,855,337 1,080,938	11.6 30.0	63.1 59.3	25.3 10.6		
Slaughtering and meat packing.	1919 1914	14 20	26 22	17 23	5,091 4,481	72 111	5,463 4,226	156 144	1.3 2.5	96.0 94.3	2.7 3.2	134,028,726 51,021,537	1,835,643 1,320,740	127,988,923 47,335,495	4,204,160 2,365,302	1.4 2.6	95.5 92.8	3.1 4.6		
Structural ironwork, not made in steel works or rolling mills.	1919 1914	5 9	16 20	2 3	2,015 1,853	297 246	1,918 1,707	..... .....	4.8 7.9	95.2 92.1	..... .....	14,449,906 6,631,741	269,825 285,548	13,762,141 6,246,193	..... .....	4.8 5.8	95.2 94.2	..... .....	
Tobacco, cigars.....	1919 1914	201 329	17 17	34 63	4,154 3,583	776 887	1,160 696	2,218 2,010	18.7 24.8	27.9 19.1	53.4 56.1	10,065,943 5,809,760	2,183,465 1,581,624	2,619,724 984,548	5,262,754 2,743,688	21.7 29.8	26.0 18.5	52.3 51.7		
Total for cities ¹	1919 1914	1,392 1,365	1,730 1,501	556 620	185,790 126,086	6,463 6,178	172,325 114,228	7,002 5,630	3.5 4.9	92.8 90.6	3.8 4.5	1,186,082,950 456,325,297	33,540,959 19,051,805	1,116,509,942 420,147,851	36,032,349 17,125,641	2.8 4.2	94.1 92.1	3.0 3.8		
ANDERSON.....	1919 1914	81 46	55 51	13 17	7,928 3,906	191 209	7,686 3,649	48 48	2.4 5.4	96.9 93.4	0.6 1.2	38,930,509 12,789,369	1,275,259 590,232	37,150,912 11,714,648	504,338 478,489	3.3 4.7	95.4 91.6	1.3 3.7		
BLOOMINGTON.....	1919 1914	11 14	14 13	14 13	1,420 1,057	34 25	1,244 927	142 105	2.4 2.4	87.6 87.7	10.0 9.9	6,816,002 2,329,290	186,905 64,000	5,901,084 1,941,643	728,013 323,647	2.7 2.7	86.6 83.4	10.7 13.9		
CLINTON.....	1919	15	6	5	469	50	404	15	10.7	86.1	3.2	1,750,794	316,788	1,353,866	80,140	18.1	77.3	4.6		
CRAWFORDSVILLE.....	1919 1914	21 22	25 23	0 11	785 680	52 78	705 561	28 41	6.6 11.5	89.8 82.5	3.6 6.0	4,837,222 2,548,529	509,581 228,592	4,221,411 2,126,586	106,230 193,351	10.5 9.0	87.3 83.4	2.2 7.6		
EAST CHICAGO.....	1919 1914	12 25	41 39	8 15	8,957 7,482	36 37	8,907 7,401	14 44	0.4 0.5	99.4 98.9	0.2 0.6	89,568,753 41,623,788	107,824 128,457	89,177,837 41,352,476	283,092 142,855	0.1 0.3	99.6 99.3	0.3 0.3		
ELKHART.....	1919 1914	40 34	58 44	22 27	5,728 2,993	85 74	5,387 2,678	256 241	1.5 2.5	94.0 89.5	4.5 8.1	24,421,494 8,649,200	663,079 250,804	21,010,381 7,258,652	1,848,034 1,139,744	2.7 2.9	89.7 83.9	7.6 13.2		
ELWOOD.....	1919 1914	12 20	15 15	5 4	2,167 1,961	55 72	2,087 1,864	25 35	2.5 3.7	96.3 94.6	1.2 1.8	15,644,537 8,186,770	244,953 180,534	15,315,910 7,944,802	83,674 61,443	1.6 2.2	97.9 97.0	0.5 0.8		
EVANSVILLE.....	1919 1914	108 115	155 147	36 35	12,526 10,383	607 621	9,640 7,885	2,279 1,827	4.8 6.0	77.0 76.3	18.2 17.7	70,230,419 31,426,707	3,178,011 2,086,469	60,770,718 26,517,963	6,281,090 2,822,235	4.5 6.6	86.5 84.4	8.9 9.0		
FORT WAYNE.....	1919 1914	97 92	105 89	45 47	16,344 11,161	427 407	15,582 10,399	335 355	2.6 3.6	95.3 93.2	3.0 2.2	76,713,262 30,204,634	2,257,280 1,076,695	72,184,533 27,345,408	2,271,449 1,782,531	2.9 3.8	94.1 90.5	3.0 5.9		
FRANKFORT.....	1919	10	13	11	1,275	224	971	80	17.6	76.2	6.3	6,401,263	536,294	5,432,592	432,377	8.4	84.9	6.8		
HAMMOND.....	1919 1914	31 32	48 33	15 17	6,065 4,281	70 66	5,929 4,177	66 38	1.2 1.5	97.8 97.6	1.1 0.9	59,276,319 20,584,408	549,844 234,239	58,263,463 20,172,303	493,012 177,866	0.9 1.1	98.3 98.0	0.8 0.9		
HUNTINGTON.....	1919 1914	16 17	23 21	18 12	2,165 1,239	59 75	2,005 949	101 215	2.7 6.1	92.6 76.6	4.7 17.4	9,977,014 2,790,522	428,402 344,780	9,062,213 2,057,504	486,399 388,238	4.3 12.4	90.8 73.7	4.9 13.9		
INDIANAPOLIS.....	1919 1914	348 318	527 450	129 118	49,977 30,971	1,990 2,113	46,266 27,614	1,721 1,244	4.0 6.8	92.6 89.2	3.4 4.0	398,666,553 139,700,016	8,604,292 6,744,456	377,950,345 128,610,933	12,111,916 4,335,627	2.2 4.8	94.8 92.1	3.0 3.1		
JEFFERSONVILLE.....	1919 1914	15 20	11 15	3 5	1,017 1,176	36 34	972 1,114	9 28	3.5 2.9	95.6 94.7	0.9 2.4	6,732,599 3,528,931	160,644 91,778	6,513,005 3,359,998	58,950 77,155	2.4 2.6	96.7 95.2	0.9 2.2		

¹ Includes the group "Individuals."
² Includes the group "All others."

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MANUFACTURES—INDIANA.

TABLE 14.—CHARACTER OF OWNERSHIP, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919 AND 1914—Continued.

INDUSTRY AND CITY.	Cen- sus year.	NUMBER OF ESTABLISH- MENTS OWNED BY—			AVERAGE NUMBER OF WAGE EARNERS.									VALUE OF PRODUCTS.								
					Total.	In establishments owned by—			Per cent of total.			Total.	Of establishments owned by—			Per cent of total.						
		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Cor- pora- tions.	All oth- ers.	Indi- vid- uals.	Cor- pora- tions.	All oth- ers.		Indi- vid- uals.	Corpora- tions.	All others.	Indi- vid- uals.	Corpora- tions.	All oth- ers.				
KOKOMO.....	1919	33	44	21	6,727	129	6,528	70	1.9	97.0	1.0	\$38,709,165	\$811,166	\$37,056,520	\$841,479	2.1	95.7	2.2				
	1914	33	33	12	3,289	140	3,112	37	4.3	94.6	1.1	10,641,191	483,589	9,955,989	201,613	4.5	93.6	1.6				
LA PORTE.....	1919	17	28	7	3,502	46	3,426	30	1.3	97.8	0.9	20,580,890	381,971	20,052,163	146,756	1.9	97.4	0.7				
	1914	23	24	8	1,765	56	1,678	31	3.2	95.1	1.8	5,929,339	163,505	5,590,143	169,091	2.8	94.4	2.9				
LAFAYETTE.....	1919	25	47	13	2,550	65	2,408	77	2.5	94.4	3.0	12,616,169	257,730	12,032,955	325,494	2.0	95.4	2.6				
	1914	28	44	12	1,310	92	1,155	63	7.0	88.2	4.8	5,185,788	279,970	4,759,757	146,055	5.4	91.8	2.8				
LOGANSFORT.....	1919	27	25	15	2,338	175	2,058	105	7.5	88.0	4.5	7,740,446	642,207	6,967,097	437,142	8.3	86.1	5.6				
	1914	30	25	12	1,709	224	1,369	116	13.1	80.1	0.8	3,671,446	479,348	2,847,646	344,452	13.1	77.6	9.4				
MARION.....	1919	36	53	12	4,646	252	4,210	184	5.4	90.6	4.0	24,325,085	1,973,709	21,089,598	1,261,778	8.1	86.7	5.2				
	1914	37	42	11	2,970	166	2,718	86	5.6	91.5	2.9	6,705,183	547,014	5,780,040	378,129	8.2	86.2	5.0				
MICHIGAN CITY.....	1919	23	21	3	3,452	64	3,373	25	1.6	97.7	0.7	37,360,551	282,584	36,968,710	109,257	0.8	99.0	0.3				
	1914	25	21	6	4,442	61	4,351	30	1.4	97.9	0.7	15,119,937	193,631	14,853,810	72,496	1.3	98.2	0.5				
MISHAWAKA.....	1919	13	14	5	5,068	69	4,973	26	1.4	98.1	0.5	27,765,010	207,898	27,340,756	216,356	0.7	98.5	0.8				
	1914	23	17	12	3,332	59	3,230	43	1.8	96.9	1.3	12,304,174	131,861	12,117,596	54,617	1.1	98.5	0.4				
MUNCIE.....	1919	49	54	18	6,559	257	6,090	212	3.9	92.8	3.2	33,175,525	1,354,250	31,117,097	704,178	4.1	93.8	2.1				
	1914	46	50	17	3,687	180	3,401	106	4.9	92.2	2.9	10,779,477	642,555	9,952,839	184,083	6.0	92.3	1.7				
NEW ALBANY.....	1919	46	34	13	1,239	83	1,117	39	0.7	90.2	3.1	6,766,373	498,801	5,878,218	389,354	7.4	89.9	5.8				
	1914	56	30	16	1,458	237	1,146	75	16.3	78.6	5.1	3,235,593	572,281	2,271,274	392,038	17.7	70.2	12.1				
NEW CASTLE.....	1919	13	16	4	4,041	57	3,966	18	1.4	98.1	0.4	14,583,738	356,088	14,064,001	163,649	2.4	96.4	1.1				
	1914	15	14	4	1,950	69	1,871	10	3.5	95.9	0.5	4,498,192	175,710	4,288,817	33,665	3.9	95.3	0.7				
PERU.....	1919	13	14	13	1,406	143	937	386	9.8	63.9	26.3	4,704,560	324,695	3,525,425	854,440	6.9	74.9	18.2				
	1914	12	11	11	787	63	489	235	8.0	62.1	29.9	1,520,351	126,544	857,704	545,103	8.3	56.1	35.6				
RICHMOND.....	1919	66	58	20	4,938	183	4,711	44	3.7	95.4	0.9	22,893,043	1,856,442	20,743,743	293,458	8.1	90.6	1.3				
	1914	53	51	14	3,662	151	3,417	94	4.1	93.3	2.6	10,251,815	587,703	9,222,421	441,631	5.7	90.0	4.3				
SOUTH BEND.....	1919	92	95	27	14,792	565	14,016	211	3.8	94.8	1.4	75,330,165	2,885,158	71,138,742	1,315,265	3.8	94.4	1.7				
	1914	121	99	30	12,203	532	11,595	166	4.4	94.3	1.4	31,170,978	1,008,909	28,988,538	582,471	3.2	93.0	1.9				
TERRE HAUTE.....	1919	118	99	40	6,458	325	5,744	389	5.0	88.9	6.0	41,967,818	1,881,706	37,901,886	2,184,226	4.5	90.3	5.2				
	1914	70	77	24	5,270	228	4,837	205	4.3	91.8	3.9	25,698,719	977,508	24,253,629	767,522	2.6	94.4	3.0				
VINCENNES.....	1919	54	32	12	1,191	144	983	64	12.1	82.5	5.4	7,582,072	807,098	5,724,761	1,050,213	10.6	75.5	13.9				
	1914	38	23	10	962	109	741	112	11.3	77.0	11.6	5,232,941	354,405	3,989,632	888,844	6.8	76.2	17.0				

TABLE 15.—MANUFACTURES, BY POPULATION GROUPS, IN CITIES OF 10,000 INHABITANTS OR MORE: 1919, 1914, AND 1909.

	Census year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 OR OVER.								THE STATE OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 OR OVER. ¹	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.		Number or amount.	Per cent of aggre- gate.
			Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.	Number or amount.	Per cent of aggre- gate.		
Number of places.....	1919		29		18		10		1			
	1914		27		21		5		1			
	1909		24		19		4		1			
Population ²	1920	2,980,390	1,106,302	37.8	288,135	9.8	503,973	17.2	314,194	10.7	1,824,088	62.2
	1915	2,779,467	918,279	33.0	360,451	13.0	298,008	10.7	259,820	9.3	1,861,188	67.0
	1910	2,700,876	802,265	29.7	328,194	12.0	245,421	9.1	233,650	8.6	1,898,611	70.3
Number of establishments.....	1919	7,916	3,678	46.5	1,040	13.1	1,634	20.6	1,004	12.7	4,238	53.5
	1914	8,022	3,388	42.2	1,475	18.4	1,025	12.8	886	11.0	4,636	57.8
	1909	7,969	2,970	37.3	1,208	15.2	909	11.4	853	10.7	4,999	62.7
Average number of wage earners.....	1919	277,580	185,790	66.9	44,519	10.0	91,294	32.9	49,977	18.0	91,790	33.1
	1914	197,503	126,036	63.8	48,616	24.6	46,440	23.5	30,971	15.7	71,467	36.2
	1909	189,984	114,036	61.0	47,042	25.2	35,258	18.9	31,736	17.0	72,948	39.0
Value of products.....	1919	\$1,898,753,387	\$1,186,082,950	62.5	\$240,611,810	12.7	\$540,804,578	28.8	\$398,666,553	21.0	\$712,670,437	37.5
	1914	730,795,021	456,325,297	62.4	156,491,455	21.4	160,133,826	21.9	139,700,016	19.1	274,469,724	37.6
	1909	579,075,046	363,570,679	62.8	141,957,001	24.5	95,300,199	16.5	126,313,479	21.8	215,504,367	37.2
Value added by manufacture.....	1919	723,802,819	451,053,011	62.3	98,493,174	13.6	220,647,622	30.5	131,912,215	18.2	272,749,808	37.7
	1914	306,937,864	194,621,426	63.4	70,745,780	23.0	73,239,504	24.5	45,680,052	15.8	112,310,438	36.6
	1909	244,700,293	151,011,436	61.7	60,825,552	24.9	47,900,063	19.6	42,276,221	17.3	93,688,857	38.3

¹ Includes Gary and Whiting, to avoid disclosure of individual operations.² Population of 1920, as of Jan. 1, 1920; 1915, estimated population as of July 1, 1914 (per reports census of manufactures, 1914); 1910, as of Apr. 1, 1910.

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TABLE 16.—PRINCIPAL INDUSTRIES IN CITIES OF 50,000 INHABITANTS OR MORE, WITH PER CENT OF TOTAL FOR STATE: 1919.

CITY AND INDUSTRY.	VALUE OF PRODUCTS.				CITY AND INDUSTRY.	VALUE OF PRODUCTS.			
	Amount, 1919.	Per cent of total for the state.	Increase over 1914. ¹			Amount, 1919.	Per cent of total for the state.	Increase over 1914.	
			Amount.	Per cent.				Amount.	Per cent.
EVANSVILLE.					INDIANAPOLIS—Continued.				
Flour-mill and gristmill products.....	\$10,514,518	14.0	\$7,001,578	199.3	Clothing, men's.....	\$8,780,311	45.2	\$3,928,047	137.7
Furniture.....	8,605,189	16.4	5,230,535	155.0	Printing and publishing, newspapers and periodicals.....	6,332,766	33.0	2,895,585	84.2
Tobacco, cigars.....	6,267,501	62.3	3,880,690	162.6	Furniture.....	6,155,938	11.8	2,713,197	78.8
Stoves and ranges.....	1,540,177	19.8	962,250	160.5	Printing and publishing, book and job.....	5,238,539	48.8	2,252,174	75.4
Agricultural implements.....	1,520,534	4.8	804,554	112.4	Confectionery and ice cream.....	4,716,443	42.1	(²)	(²)
Bread and other bakery products.....	1,136,527	3.8	694,292	151.3	Butter.....	4,133,326	14.8	(²)	(²)
Carriage and wagon materials.....	1,115,037	31.7	(²)	(²)	Lumber and timber products.....	2,423,174	13.6	1,485,511	158.4
Clothing, men's and youths.....	930,693	6.2	611,100	101.3	Coffee, roasting and grinding.....	2,096,672	56.5	1,037,845	98.0
Printing and publishing, newspapers and periodicals.....	789,802	4.1	379,814	92.6	Bags, other than paper, not including bags made in textile mills.....				
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	730,412	5.2	(²)	(²)	Canning and preserving, fruits and vege- tables.....				
Automobile bodies and parts.....					Cotton goods.....				
Brooms, from broom corn.....					Druggists' preparations.....				
Butter.....					Engines, steam, gas, and water.....	(²)	(²)	(²)	(²)
Carriages and wagons, including repairs.....					Gas, illuminating and heating.....				
Cars and general shop construction and repairs by steam-railroad companies.....					Glucose and starch.....				
Cotton goods.....					Iron and steel forgings, not made in steel works or rolling mills.....				
Electrical machinery, apparatus, and sup- plies.....					Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Engines, steam, gas, and water.....	(²)	(²)	(²)	(²)	Saws.....				
Food preparations, not elsewhere specified.....					Tinware, not elsewhere specified.....				
Glass.....					SOUTH BEND.				
Liquors, malt.....					Foundry and machine-shop products.....	1,264,228	1.5	547,143	76.3
Mattresses and spring beds, not elsewhere specified.....					Confectionery and ice cream.....	1,145,403	10.2	(²)	(²)
Pickles and sauces.....					Bread and other bakery products.....	968,647	3.2	556,522	135.0
Plumbers' supplies, not elsewhere specified.....					Printing and publishing, newspapers and periodicals.....	767,800	4.0	310,677	68.0
Pottery, chinaware.....					Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....	764,107	5.4	297,155	63.6
Slaughtering and meat packing.....					Furniture, wood, other than rattan and willow.....	647,781	1.2	(²)	(²)
Structural ironwork, not made in steel works or rolling mills.....					Printing and publishing, book and job.....	572,174	5.3	262,619	84.8
FORT WAYNE.					Tobacco, cigars.....	523,357	5.2	103,263	24.6
Foundry and machine-shop products.....	3,963,115	4.6	-2,155,876	-35.2	Agricultural implements.....				
Bread and other bakery products.....	3,882,040	12.9	2,500,886	183.7	Automobile bodies and parts.....				
Patent medicines and compounds.....	933,599	20.8	510,150	120.5	Butter.....				
Confectionery and ice cream.....	806,256	8.0	(²)	(²)	Clothing, men's.....				
Printing and publishing, book and job.....	868,875	8.1	390,468	81.6	Electrical machinery, apparatus, and supplies.....				
Clothing, women's.....	803,409	23.6	(²)	(²)	Gas, illuminating and heating.....				
Lumber and timber products.....	523,806	2.9	243,666	87.0	Knit goods.....				
Lumber, planing-mill products, not in- cluding planing mills connected with sawmills.....					Machine tools.....				
Boxes, paper and other, not elsewhere specified.....	505,428	3.6	46,042	10.0	Roofing materials.....	(²)	(²)	(²)	(²)
Butter.....					Rubber tires, tubes, and rubber goods, not elsewhere specified.....				
Cars and general shop construction and repairs by steam-railroad companies.....					Sewing-machine cases.....				
Electrical machinery, apparatus, and sup- plies.....					Shirts.....				
Flour-mill and gristmill products.....					Stoves and ranges.....				
Gas, illuminating and heating.....					Toys and games.....				
Gas machines.....					Varnishes.....				
Gloves and mittens, cloth, not including gloves made in textile mills.....	(²)	(²)	(²)	(²)	Watches.....				
Iron and steel, steel works and rolling mills					Woolen goods.....				
Knit goods.....					TERRE HAUTE.				
Liquors, malt.....					Bread and other bakery products.....	2,029,958	6.8	1,149,377	130.5
Musical instruments, pianos.....					Foundry and machine-shop products.....	1,862,513	2.2	837,905	81.8
Printing and publishing, newspapers and periodicals.....					Butter.....	1,371,573	4.9	(²)	(²)
Pumps, not including power pumps.....					Clothing, men's and youths.....	1,351,979	9.0	318,108	30.8
Pumps, steam.....					Printing and publishing, newspapers and periodicals.....	856,533	4.5	438,420	104.9
Slaughtering and meat packing.....					Copper, tin, and sheet-iron work.....	748,745	16.3	(²)	(²)
Soap.....					Confectionery and ice cream.....	748,056	6.7	356,805	91.2
Washing machines and clothes wringers.....					Carriage and wagon materials.....				
INDIANAPOLIS.					Cars and general shop construction and repairs by steam-railroad companies.....				
Slaughtering and meat packing.....	104,805,746	78.2	67,025,707	177.4	Cars, steam-railroad, not including opera- tions of railroad companies.....				
Automobiles.....	59,736,346	55.6	47,867,323	403.3	Coffee, roasting and grinding.....	(²)	(²)	(²)	(²)
Foundry and machine-shop products.....	24,242,163	27.8	15,489,845	177.0	Flour-mill and gristmill products.....				
Flour-mill and gristmill products.....	14,573,978	19.4	6,602,649	82.8	Iron and steel, steel works and rolling mills.....				
Automobile bodies and parts.....	13,563,146	18.9	12,739,072	1,545.9	Paper and wood pulp.....				
Electrical machinery, apparatus, and supplies.....	8,591,162	20.7	7,698,386	862.3	Patent medicines and compounds.....				
Bread and other bakery products.....	7,713,218	25.7	4,486,707	139.0	Pickles, preserves, and sauces.....				
Cars and general shop construction and repairs by steam-railroad companies.....	6,838,631	11.2	5,097,603	292.8	Slaughtering and meat packing.....				

¹ A minus sign (—) denotes decrease.² Figures can not be shown without disclosing individual operations.³ Includes "iron and steel, welding."

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TABLE 17.—NUMBER AND HORSEPOWER OF TYPES OF PRIME MOVERS: 1919, 1914, AND 1909.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.					
	1919	1914	1909	Amount.			Per cent distribution.		
				1919	1914	1909	1919	1914	1909
Primary power, total.....	41,162	22,717	12,399	1,095,912	709,703	633,377	100.0	100.0	100.0
Owned.....	4,770	5,782	6,030	720,879	507,100	566,125	65.8	71.5	89.4
Steam ¹	3,609	4,408	5,197	521,440	430,504	449,127	47.6	60.7	70.9
Engines.....	3,402	(2)	(2)	307,321	(2)	(2)	33.5	(2)	(2)
Turbines.....	207	(2)	(2)	184,125	(2)	(2)	14.1	(2)	(2)
Internal-combustion engines.....	1,003	1,132	1,195	189,271	60,691	109,105	17.3	9.4	17.2
Water.....	158	182	238	10,162	9,905	7,893	0.9	1.4	1.3
Water wheels and turbines.....	153	158	212	9,204	8,303	7,446	0.8	1.2	1.2
Water motors.....	5	24	26	958	1,542	447	0.1	0.2	0.1
Rented.....	36,392	16,935	5,769	375,033	202,603	67,252	34.2	28.5	10.6
Electric.....	36,392	16,935	5,769	373,689	200,882	65,548	34.1	28.3	10.3
Other.....				1,344	1,721	1,704	0.1	0.2	0.3
Electric.....	52,973	27,489	11,916	652,754	450,357	233,193	100.0	100.0	100.0
Rented.....	36,392	16,935	5,769	373,689	200,882	65,548	57.2	44.6	28.1
Generated by establishments reporting.....	16,581	10,554	6,147	279,065	249,475	167,645	42.8	55.4	71.9

¹ Figures for horsepower include for 1909 the amount reported under the head of "Other" owned power.² Not reported separately.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919.

INDUSTRY AND CITY.	COAL.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
All industries.....	1919	1914	2,693,001	2,721,596	69,225	2,808,679
Per cent of increase.....	16,761	10,274,828	1,172,542	772,316	(1)	1,489,430
	85.5	32.1	120.7	261.4		55.0
Agricultural implements.....	34	50,328	15,526	63,064	9,429	1,616
Automobile bodies and parts.....	32	131,930	1,137	156,206	9,914	82,786
Automobiles.....	100	73,285	6,371	12,571	13,503	620,403
Bread and other bakery products.....	2,038	21,352	23,679	1,502	3,054	107,659
Brick and tile, terra-cotta, and fire-clay products.....		506,237	1,002	6,036	583	7,900
Cars and general shop construction and repairs by steam-railroad companies.....	936	447,922	5,824	45,327	751	206
Cars, steam-railroad, not including operations of railroad companies.....		153,040	12,408	135,204	682	1,894
Cement.....		523,653	275			
Coke, not including gas-house coke.....		4,586,020	8,979			
Electrical machinery, apparatus, and supplies.....	1,139	53,412	528	7,173	369	116,249
Flour-mill and gristmill products.....	132	150,958	1,733	3,154	1,956	16,445
Foundry and machine-shop products.....	390	182,245	56,397	38,638	5,150	56,622
Furniture.....	589	103,143	311	363	519	1,568
Gas, illuminating and heating.....	2,697	830,850	48,769	182,348	240	234,674
Glass.....	698	523,728	2,486	217,323	49	457,551
Ice, manufactured.....		201,988		211	103	
Iron and steel, steel works and rolling mills.....	475	1,753,150	17,608	787,265	921	28,634
Iron and steel forgings, not made in steel works or rolling mills.....		37,145	915	105,119	112	4,000
Paper and wood pulp.....	2,295	341,971	476		5	
Petroleum, refining.....		1,082,882	8,027	802,311		114
Printing and publishing, newspapers and periodicals.....	206	8,482	109	324	680	43,988
Rubber tires, tubes, and rubber goods, not elsewhere specified.....	150	84,849	75		6,000	
Slaughtering and meat packing.....		178,222			128	21,542
Smelting and refining, lead.....		17,560	2,691	20,830	80	1,869
Smelting and refining, zinc.....	5,824	62,499	2,038			
Smelting and refining, not from the ore.....	8,989	3,974	1,830	3,366		
Structural ironwork, not made in steel works or rolling mills.....	54	40,094	2,598	34,738	52	4,509
All other industries.....	4,321	1,413,745	2,471,271	97,873	14,945	498,850
Total for cities ²	17,927	4,520,129	368,309	1,166,586	50,081	1,544,027
ANDERSON.....	710	102,058	5,912	3,756	600	109,523
BLOOMINGTON.....		13,329	1,180	3,083	1	734
CLINTON.....		14,580	156	52	49	
CRAWFORDSVILLE.....	19	29,683	740		17	1,202
EAST CHICAGO.....	9,319	831,013	194,467	148,377	1,425	20,994
ELKHART.....	1,405	83,573	2,761	5,593	479	13,681
ELWOOD.....		107,644	378	704	3	38,449
EVANSVILLE.....	715	216,530	11,733	3,742	228	68,342
FORT WAYNE.....	1,691	200,196	20,057	59,945	734	109,167
FRANKFORT.....	714	11,966	1,505	6,510	141	2,480
HAMMOND.....	49	98,306	9,935	118,408	279	4,016
HUNTINGTON.....	5	17,822	1,291	2,321	11	2,837
INDIANAPOLIS.....	1,617	1,320,431	25,928	108,675	12,417	248,844
JEFFERSONVILLE.....		29,612	655	19,624	107	372
KOKOMO.....	802	241,281	11,026	154,806	3,553	64,292
LA PORTE.....	20	45,996	4,631	9,742	6,982	5,782
LAFAYETTE.....	26	71,840	965	7,816	278	2,182
LOGANSFORT.....		58,886	988	3,945	178	1,308
MARION.....	49	149,320	7,157	36,197	87	212,741
MICHIGAN CITY.....	3	74,995	11,459	39,211	30	6,714

¹ Included in figures for fuel oils² Excludes Gary and Whiting, to avoid disclosure of individual operations.

TABLE 18.—FUEL CONSUMED, FOR SELECTED INDUSTRIES AND FOR CITIES: 1919—Continued.

INDUSTRY AND CITY.	Coal.		Coke (tons, 2,000 pounds).	Fuel oils (barrels).	Gasoline and other volatile oils (barrels).	Gas (1,000 cubic feet).
	Anthracite (tons, 2,240 pounds).	Bituminous (tons, 2,000 pounds).				
MISHAWAKA.....	47	72, 635	5, 044	1, 617	331	251
MUNCIE.....	156	113, 761	5, 734	179, 978	3, 010	501, 977
NEW ALBANY.....	10	22, 697	731	405	55	1, 332
NEW CASTLE.....	.....	48, 824	550	107, 179	6, 977	12, 418
PERU.....	127	12, 512	142	536	263	575
RICHMOND.....	48	44, 558	5, 914	1, 986	2, 251	57, 512
SOUTH BEND.....	276	135, 608	24, 938	129, 310	8, 617	22, 151
TERRE HAUTE.....	14	200, 478	6, 280	13, 027	865	30, 242
VINCENNES.....	205	80, 995	6, 002	41	23	3, 859

SPECIAL STATISTICS.

For a number of important industries the Census Bureau collects, by means of special schedules, certain details which do not appear on the general schedule. Data for 11 of these industries in Indiana are here presented.

Iron and steel, blast furnaces and steel works and rolling mills.—The pig-iron furnaces of the state are operated in connection with steel furnaces, and over 95 per cent of the pig iron consumed by the steel furnaces was produced in the blast-furnace department of the same industrial plant.

Blast furnaces only (Table 19).—This table shows the statistics for the pig-iron industry of the state in 1919, which was represented by three establishments. At prior censuses it was not reported separately. The state ranked fifth among the states in the industry.

TABLE 19.—BLAST FURNACES, PIG-IRON INDUSTRY: 1919.

	Quantity.	Amount.
Materials, total cost.....		\$40, 022, 880
Iron ore..... gross tons..	4, 156, 579	20, 001, 389
Scrap, and mill cinder..... gross tons..	285, 295	1, 155, 397
Fluxing material..... net tons..	922, 108	948, 774
Fuel for smelting, coke..... net tons..	2, 366, 334	16, 101, 338
All other materials, including fuel for power.....		1, 815, 982
Products, total value.....		52, 533, 807
Pig iron..... gross tons..	2, 292, 562	61, 591, 467
Basic..... gross tons..	2, 035, 431	
Other grades..... gross tons..	197, 131	
Delivered in molten condition..... gross tons..	1, 796, 527	
Machine cast, etc..... gross tons..	496, 035	
All other products.....		942, 340

Steel works and rolling mills (Table 20).—This table shows the principal statistics concerning materials and products for 1919, in comparison with 1914 and 1909.

The leading rolled products in 1919 in order of tonnage were (1) plates and sheets; (2) bars, steel and iron; (3) rails; and (4) structural shapes.

The state ranked third in this industry in 1919, being exceeded only by Pennsylvania and Ohio; fourth in 1914 and fifth in 1909.

TABLE 20.—STEEL WORKS AND ROLLING MILLS: 1919, 1914, AND 1909.

	1919	1914	1909
Number of establishments.....	23	19	17
Materials, total cost.....	\$113, 194, 279	\$37, 056, 547	\$26, 098, 759
Pig iron and ferroalloys:			
Tons (gross).....	2, 144, 846	1, 091, 632	448, 786
Cost.....	\$50, 667, 142	\$14, 428, 504	\$7, 154, 672
Scrap, purchased:			
Tons (gross).....	554, 561	516, 078	478, 094
Cost.....	\$10, 148, 850	\$5, 684, 070	\$6, 212, 888
Steel, crude, and semifinished:			
Tons (gross).....	654, 313	454, 631	271, 716
Cost.....	\$26, 896, 938	\$7, 553, 200	\$6, 648, 236
All other materials, including fuel and rent of power, cost.....	\$25, 481, 349	\$9, 390, 773	\$6, 082, 963
Products, total value.....	\$199, 273, 518	\$58, 882, 522	\$38, 651, 848
Rolled, forged, and other classified steel and iron products:			
Tons (gross).....	3, 076, 015	1, 854, 050	1, 110, 498
Value.....	\$192, 301, 897	\$54, 024, 126	\$35, 525, 349
All other products, including value added to rolling-mill products by further manufacture, value.....	\$6, 971, 621	\$4, 858, 396	\$3, 126, 499

Slaughtering and meat packing (Table 21).—In this table statistics for the slaughtering and meat-packing industry are presented for the census years 1919, 1914, and 1909, giving the number and cost of the most important classes of animals slaughtered; the cost of all other materials, which includes that for goats and kids, poultry, dressed meat purchased for curing and canning, cottonseed oil for making lard compounds and substitutes, butter and whole milk for making oleomargarine, materials for making ice, refrigeration, curing materials, seasoning, containers, fuel, rent of power, mill supplies, and freight; and the kind, quantity, and value of the principal products that can be shown without disclosing individual operations. The value of minor and auxiliary products is shown under "All other products" and includes beef, pickled and other cured; canned meat; canned sausage; lard and oleo oil; oleo stock; oleo and lard stearin; oleomargarine; hoofs, horns, horntips, strips, and waste; skins other than cattle, calf, and sheep; ice; and serum.

The production increase, which is indicated by the number of animals slaughtered in 1919 and 1914, was

296,221. The only class which decreased in number was sheep and lambs.

The cost of animals slaughtered in this period increased \$62,155,574, or 144.5 per cent; that for "All other materials" \$13,272,009, or 409.8 per cent. The very large increase in this item was largely due to the increase in cost of dressed meat purchased for curing and canning.

TABLE 21.—SLAUGHTERING AND MEAT PACKING: 1919, 1914, AND 1909.

	1919	1914	1909
MATERIALS.			
Total cost.....	\$121,089,694	\$40,202,111	\$41,939,279
Animals slaughtered, cost.....	\$105,178,453	\$43,022,879	\$38,871,202
Beefes—			
Number.....	271,004	200,180	252,697
Cost.....	\$22,844,730	\$12,432,732	\$10,702,274
Calves—			
Number.....	65,557	61,500	60,578
Cost.....	\$1,427,568	\$767,011	\$615,667
Sheep and lambs—			
Number.....	24,572	66,689	58,435
Cost.....	\$249,854	\$361,458	\$276,043
Hogs—			
Number.....	2,104,268	1,840,811	1,761,454
Cost.....	\$80,666,296	\$29,461,678	\$25,277,218
All other materials, cost.....	\$16,511,241	\$3,239,232	\$5,068,077
PRODUCTS.			
Total value.....	\$134,028,726	\$51,021,537	\$47,230,243
Fresh meat, value.....	\$47,916,992	\$23,328,661	\$19,352,261
Beef—			
Pounds.....	101,505,675	91,435,251	119,685,578
Value.....	\$18,514,791	\$10,532,894	\$9,530,214
Veal—			
Pounds.....	6,004,165	5,345,353	5,505,181
Value.....	\$1,299,709	\$731,375	\$603,540
Mutton and lamb—			
Pounds.....	953,588	2,034,954	2,310,324
Value.....	\$210,141	\$342,778	\$230,509
Pork—			
Pounds.....	98,772,828	93,434,540	79,377,563
Value.....	\$26,257,682	\$11,540,830	\$8,974,150
Edible offal and other fresh meat—			
Pounds.....	13,132,313	2,940,805	207,516
Value.....	\$1,634,669	\$171,784	\$13,848
Pork, pickled and other cured:			
Pounds.....	163,511,706	124,924,957	148,474,672
Value.....	\$49,810,459	\$15,495,892	\$17,242,240
Sausage:			
Pounds.....	17,662,551	15,895,177	15,754,885
Value.....	\$3,655,176	\$1,915,995	\$1,602,914
Lard:			
Pounds.....	51,452,324	46,374,440	46,901,294
Value.....	\$15,241,920	\$4,902,438	\$4,943,303
Lard compounds and substitutes:			
Pounds.....	1,803,269	(¹)	(²)
Value.....	\$464,955	(¹)	(²)
Tallow:			
Pounds.....	4,597,967	5,616,093	5,320,977
Value.....	\$627,389	\$425,818	\$472,624
Grease and soap stock:			
Pounds.....	4,926,368	(¹)	(²)
Value.....	\$623,325	(¹)	(²)
Casings:			
Pounds.....	2,483,121	633,157	(²)
Value.....	\$404,856	\$129,462	(²)
Fertilizers and fertilizer materials:			
Tons.....	8,487	8,501	7,389
Value.....	\$575,140	\$204,707	\$160,316
Hides and pelts:			
Cattle—			
Number.....	271,004	200,180	
Pounds.....	13,178,091	10,306,224	
Value.....	\$4,480,104	\$1,834,156	302,076
Calf—			
Number.....	58,039	56,850	14,209,481
Pounds.....	510,433	699,842	\$1,847,702
Value.....	\$275,741	\$138,978	
Sheep—			
Number.....	24,333	66,541	58,367
Value.....	\$59,303	\$72,017	\$71,092
Hair, hog and cattle:			
Pounds.....	1,402,207	(²)	(²)
Value.....	\$70,390	(²)	(²)
All other products, value.....	\$9,832,910	\$2,573,413	\$1,537,731

¹ Included in "All other products," to avoid disclosure of individual operations.

² Not reported separately.

The total value of products increased 162.7 per cent in 1919 as compared with 1914, while the pro-

duction of fresh and cured meat, including canned meat and sausage, increased only 19.3 per cent.

This state ranked ninth in 1919 in value of products in the slaughtering and meat-packing industry in the United States.

Automobiles, including bodies and parts (Table 22).—This table shows the number and value of the several classes of automobiles manufactured, as reported at the censuses of 1919, 1914, and 1909. During the five-year period 1914–1919, there was an increase of \$149,675,775, or 509.3 per cent, in the total value of products. The number of pleasure vehicles increased 47,434, or 316.9 per cent, and their value \$58,304,295, or 297.6 per cent. Business vehicles increased in number by 3,280, or 683.3 per cent, and in value \$5,810,320, or 677.9 per cent. The value of products, other than complete machines, consisting largely of bodies and parts and of repair work, increased \$85,561,160, or 957.1 per cent.

TABLE 22.—AUTOMOBILES, INCLUDING BODIES AND PARTS: 1919, 1914, AND 1909.

PRODUCT.	1919		1914		1909	
	Num-ber.	Value.	Num-ber.	Value.	Num-ber.	Value.
Total value.....		\$179,064,803		\$29,380,088		\$23,764,070
Automobiles, total ¹	66,162	84,564,021	15,448	20,449,406	17,253	17,604,936
Pleasure vehicles.....	62,402	77,896,611	14,968	19,502,316	17,081	17,210,854
Touring cars.....	49,740	60,976,271	13,034	16,574,132	6,838	10,710,289
Closed cars.....	6,325	9,728,908	503	1,071,302	439	772,401
Roadsters, run-abouts, and all others.....	6,337	7,191,432	1,431	1,946,702	9,804	5,728,164
Business vehicles.....	3,760	6,667,410	480	857,000	172	394,082
All other products, including bodies and parts, and repairs.....		94,500,842		8,030,682		6,159,134

¹ In addition, 305 automobiles valued at \$39,841 in 1919 and 225 automobiles valued at \$119,525 in 1909, were reported by establishments engaged primarily in the manufacture of products other than automobiles.

Flour-mill and gristmill products (Table 23).—This table shows the kinds, quantities, and values of the different grains ground in these mills during 1919, 1914, and 1909.

TABLE 23.—FLOUR-MILL AND GRISTMILL PRODUCTS (MERCHANT MILLS): 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$75,111,435	\$37,488,223	\$40,541,422
Wheat flour:			
Barrels.....	4,305,436	4,526,879	4,794,847
Value.....	\$47,088,134	\$21,188,688	\$25,315,671
Rye flour:			
Barrels.....	30,693	6,414	1,770
Value.....	\$336,020	\$30,385	\$7,027
Corn meal and corn flour:			
Barrels.....	512,179	984,239	855,409
Value.....	\$4,451,959	\$3,030,308	\$2,453,265
Buckwheat flour:			
Pounds.....	757,616	818,423	1,446,534
Value.....	\$50,829	\$25,175	\$36,480
Bran and middlings:			
Tons.....	165,615	107,400	
Value.....	\$7,995,893	\$3,730,324	388,022
Feed and offal:			
Tons.....	179,555	170,167	\$8,840,647
Value.....	\$10,602,954	\$4,682,497	
Hominy and grits:			
Pounds.....	93,956,630	292,131,101	256,678,796
Value.....	\$3,222,770	\$4,620,892	\$3,758,367
All other cereal products, value.....	\$947,555	\$18,995	\$1,048
All other products, value.....	\$415,015	\$165,959	\$98,917

Wheat flour was the product of chief value in 1919 as it was in 1914, forming 62.7 per cent and 56.5 per cent, respectively, of the total value of all products of the industry in the state. The total value of products for the industry increased \$37,623,212, or 100.4 per cent, during the five-year period. As illustrative of the high prices of commodities in 1919, as compared with 1914, the quantity of wheat flour decreased 221,443 barrels, or 4.9 per cent, while the value showed an increase of \$25,904,446, or 122.3 per cent.

Agricultural implements (Table 24).—This table shows the value of the principal groups of agricultural implements manufactured in the state during the years 1919, 1914, 1909, and 1904.

Indiana ranked third in 1919 and fifth in 1914 in the manufacture of agricultural implements in the United States. The total value of products of this industry increased \$19,032,272, or 148.8 per cent, for the five-year period 1914–1919. All classes of implements show an increase in value of products from 1914 to 1919, excepting harvesting implements, which show a slight decrease. Plows and cultivators constitute the principal class shown separately at each census. Planters and seeders and seed separators are combined for each census, not only for comparative purposes, but also to avoid the possibility of disclosing the operations of individual establishments.

TABLE 24.—AGRICULTURAL IMPLEMENTS: 1919, 1914, 1909, AND 1904.

	1919	1914	1909	1904
Total value.....	\$31,823,733	\$12,791,461	\$13,669,824	\$3,000,575
Plows and cultivators.....	12,415,810	4,447,550	4,006,748	3,340,695
Planters and seeders and seed separators.....	6,382,827	3,150,422	4,248,552	1,412,622
Harvesting implements.....	295,430	352,940	154,878	135,533
All other agricultural implements, including parts.....	5,412,518	2,732,278		
All other products, including repair work.....	7,317,148	2,078,271	4,659,646	3,162,725

Glass (Table 25).—This table shows the value of the different classes of glass products for the years 1919, 1914, and 1909.

Bottles and jars was the product of chief value in 1919 as in 1914, forming 59.9 per cent and 61.5 per cent, respectively, of the total value of all products of the industry in the state. The total value of products for the industry increased \$15,225,280, or 102.3 per cent.

TABLE 25.—GLASS: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$30,106,652	\$14,881,372	\$11,593,094
Building glass.....	5,485,490	2,356,946	1,616,092
Pressed and blown glass.....	6,656,007	2,926,296	2,774,128
Bottles and jars.....	17,126,052	9,155,163	6,982,378
All other products.....	839,103	442,967	220,496

Butter, cheese, and condensed milk (Table 26).—This table shows the quantities and values of the various products of the butter, cheese, and condensed-milk industry in Indiana for 1919, 1914, and 1909.

Butter was the product of chief value in 1919 as in 1914, forming 72.8 per cent and 81.2 per cent, respectively, of the total value of all products of the industry in the state. The total value of products for the industry increased \$23,717,094, or 268.8 per cent, in 1919 as compared with 1914.

TABLE 26.—BUTTER, CHEESE, AND CONDENSED MILK: 1919, 1914, AND 1909.

	1919 ¹	1914	1909
Total value.....	\$32,541,336	\$8,824,242	\$3,953,600
Butter:			
Pounds.....	42,185,894	25,637,452	11,712,450
Value.....	\$23,675,474	\$7,168,947	\$3,301,014
Packed solid—			
Pounds.....	24,567,204	14,549,112	8,170,531
Value.....	\$13,584,345	\$3,937,543	\$2,279,029
Prints or rolls—			
Pounds.....	17,619,600	11,088,340	3,541,919
Value.....	\$10,091,129	\$3,231,404	\$1,021,985
Cheese:			
Pounds.....	289,094	354,792	424,597
Value.....	\$63,103	\$20,227	\$61,503
Condensed and evaporated milk:			
Pounds.....	32,470,141		
Value.....	\$5,008,035	(?)	(?)
Cream sold:			
Pounds.....	5,815,114	2,456,812	968,026
Value.....	\$1,060,802	\$250,634	\$94,916
All other butter, cheese, and condensed-milk factory products, value.....	\$2,527,640	\$1,320,483	\$377,109
All other products, value.....	\$1,606,277	\$48,951	\$124,058

¹ In addition, in 1919, butter valued at \$10,022 was manufactured in establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

² Included in "All other butter, cheese, and condensed-milk factory products."

Printing and publishing (Table 27).—This table gives the number and aggregate circulation per issue of all newspapers and periodicals reported as published in Indiana in the census years 1919, 1914, and 1909.

Although the total number of publications decreased in Indiana in 1919, the aggregate circulation per issue increased 1,040,991, or 23.3 per cent, during the five-year period from 1914 to 1919, and 2,645,553, or 92.6 per cent, during the decade.

The decrease shown in number of dailies is greater for the later than for the earlier five-year period. The daily circulation increased 132,518, or 17 per cent, from 1914 to 1919, and 284,362, or 45.5 per cent, for the decade.

TABLE 27.—PRINTING AND PUBLISHING: 1919, 1914, AND 1909.

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1919	1914	1909	1919	1914	1909
Total.....	668	775	709	5,501,726	4,460,735	2,856,173
Daily.....	138	160	172	909,958	777,435	625,591
Sunday.....	18	18	20	276,880	254,126	206,176
Semiweekly ¹	18	29	30	22,571	40,176	51,973
Weekly.....	407	485	517	1,435,279	1,291,735	781,866
Monthly ²	76	66	66	2,642,628	1,973,186	1,170,312
Quarterly ³	12	17	4	154,515	124,077	20,250

¹ Includes in 1919, 1 triweekly; in 1914, 2 triweeklies, and in 1909, 1 triweekly.

² Includes in 1919, 7 semimonthlies; in 1914 and 1909, 4 semimonthlies.

³ Includes in 1914, 4 bimonthlies, and in 1909, 1 bimonthly.

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If the dailies reported for 1919, those published in the afternoon numbered 107 with a circulation of 597,614, which is 65.7 per cent of the total daily circulation, and an increase of 80,049, or 15.5 per cent, over the figures for 1914.

In 1919 the foreign-language publications numbered 13. Of these, 7 were German; 2 were German and English; 1 was in English, Italian, and Slovak; 1 was Hungarian; and 2 were in Polish. Of the German publications, 1 was an afternoon daily, 2 were weeklies, 2 were monthlies, 1 was a semimonthly, and 1 was a quarterly.

Canning and preserving (Table 28).—The quantities and values of the various products of this industry, for 1919, 1914, and 1909, are shown in this table. The case, which is used as the unit for measuring the quantities of canned products, consists of 24 No. 2 size cans for beans, corn, and peas, and 24 No. 3 standard size cans for hominy, kraut, pumpkin, tomatoes, and other unspecified products.

TABLE 28.—CANNING AND PRESERVING: 1919, 1914, AND 1909.

	1919	1914	1909
Total value.....	\$27,823,348	\$13,806,883	\$8,758,343
Canned fruits and vegetables.....	\$10,582,967	\$8,085,699	\$6,199,194
Pickles, preserves, and sauces.....	\$8,924,581	\$5,490,134	\$2,026,909
Canned vegetables, value.....	\$14,399,261	\$8,005,669	\$6,199,194
Beans—			
Cases.....	2,372,485	1,670,150	822,508
Value.....	\$6,202,327	\$2,276,118	\$2,116,648
Tomatoes—			
Cases.....	902,852	1,165,967	916,755
Value.....	\$2,431,166	\$1,809,102	\$1,469,219
Tomato pulp—			
Cases.....	258,799	(²)	(²)
Value.....	\$1,675,834	(²)	(²)
Corn—			
Cases.....	595,136	688,443	520,401
Value.....	\$1,493,994	\$943,641	\$679,446
Peas—			
Cases.....	357,686	434,411	521,764
Value.....	\$923,253	\$620,357	\$753,627
Hominy—			
Cases.....	368,758	456,591	(²)
Value.....	\$806,848	\$462,927	(²)
Tomato paste—			
Cases.....	33,332	(²)	(²)
Value.....	\$358,592	(²)	(²)
Pumpkin—			
Cases.....	109,004	294,881	119,965
Value.....	\$230,721	\$342,929	\$139,738
Kraut—			
Cases.....	87,219	359,202	(²)
Value.....	\$201,236	\$433,286	(²)
All other—			
Cases.....	23,941	813,847	869,109
Value.....	\$75,200	\$1,227,209	\$1,040,610
Canned fruit:			
Cases.....	867,159	(²)	(²)
Value.....	\$2,183,696	(²)	(²)
Blackberries—			
Cases.....	12,044	(²)	(²)
Value.....	\$28,228	(²)	(²)
All other—			
Cases.....	855,115	(²)	(²)
Value.....	\$2,155,468	(²)	(²)
Pickles, preserves, and sauces, value...	\$8,924,581	\$5,490,134	\$2,026,909
All other products, value.....	\$2,315,810	\$280,680	\$532,240

¹ Does not include 616,562 cases of canned vegetables and soups, valued at \$1,603,116, and of pickles, preserves, and sauces, valued at \$99,672 in 1910; 399,378 cases of canned vegetables and soups, valued at \$610,971, and of pickles, preserves, and sauces, valued at \$60,927 in 1914; and of pickles, preserves, and sauces, valued at \$75,755 in 1909; reported by establishments classified as engaged in other industries.

² Reported in "All other products" in 1914 and 1909.

Canned vegetables was the product of chief value in 1919 as in 1914, forming 51.7 per cent and 58.4 per cent, respectively, of the total value of products of the industry in the state. Measured by value, the most important products in 1919 were canned beans

and canned tomatoes, forming 43.1 per cent and 16.9 per cent, respectively, of the total for vegetables. The total value of the industry increased \$13,956,965, or 100.7 per cent, during the five-year period 1914-1919.

Lumber and timber products (Table 29).—This table presents statistics pertaining to the chief products of the lumber industry for 1919, 1914, and 1909. The production of lumber has been decreasing in Indiana for a number of years, the decrease since 1909 being 273,931,000 feet, or 49.2 per cent. The output of lath and shingles decreased in even greater proportions. In 1919 this state led in the production of beech lumber, producing 15.9 per cent of the total cut from this wood in the United States. Practically the entire output in 1919 was from hardwoods.

The lumber cut from the principal species in 1919 was reported as follows: Oak, 109,583,000 feet, or 38.8 per cent of the total cut from all species in the state; beech, 57,107,000 feet, or 20.2 per cent; maple, 33,396,000 feet, or 11.8 per cent; elm, 20,833,000 feet, or 7.4 per cent; and ash, 14,619,000 feet, or 5.2 per cent. Among other woods sawed into lumber in considerable quantities were hickory, yellow poplar, gum, walnut, sycamore, basswood, and cottonwood.

TABLE 29.—LUMBER, LATH, AND SHINGLES: 1919, 1914, AND 1909.

PRODUCT.	QUANTITY ¹ .		
	1919	1914	1909
Lumber.....M feet b. m.	282,487	298,571	556,418
Lath.....thousands..	155	(²)	3,600
Shingles.....thousands..	420	(²)	7,340

¹ The output of custom mills is included in 1919 and 1909, but not in 1914.

² Not reported.

Laundries (Table 30).—Statistics for power laundries are not included in the general tables nor in the totals for manufacturing industries. Table 30, however, summarizes the statistics for such laundries in the state for 1919 and 1914.

TABLE 30.—POWER LAUNDRIES: 1919 AND 1914.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1914-1919
	1919	1914	
Number of establishments.....	158	174	-9.2
Persons engaged.....	4,328	4,307	0.5
Proprietors and firm members.....	153	170	-10.0
Salaried employees.....	607	387	56.8
Wage earners (average number).....	3,568	3,750	-4.9
Primary horsepower.....	5,260	4,739	11.0
Capital.....	\$3,629,011	\$2,295,353	58.1
Salaries and wages.....	2,043,921	1,003,676	38.9
Salaries.....	536,857	382,896	40.2
Wages.....	2,107,064	1,520,680	38.6
Paid for contract work.....	24,495	10,416	135.2
Rent and taxes.....	130,675	116,580	17.2
Cost of materials.....	1,556,505	709,337	119.4
Amount received for work done.....	5,588,748	3,097,112	61.2

¹ A minus sign (-) denotes decrease.

Dyeing and cleaning (Table 31).—Statistics for dyeing and cleaning establishments that were operated by mechanical power in 1919 are presented in this

table. Statistics for such establishments are not included in the general tables nor in the totals for manufacturing industries for censuses since 1900. This presentation is the first of its kind that has been made since the census statistics were confined to manufacturing industries as distinguished from the hand trades, household industries, etc.

TABLE 31.—DYEING AND CLEANING: 1919.

	Number or amount.
Number of establishments.....	101
Persons engaged.....	825
Proprietors and firm members.....	106
Salaried employees.....	120
Wage earners (average number).....	599
Primary horsepower.....	1,024
Capital.....	\$790,474
Salaries and wages.....	653,231
Salaries.....	138,315
Wages.....	514,916
Paid for contract work.....	8,958
Rent and taxes.....	63,849
Cost of materials.....	390,055
Amount received for work done.....	1,588,752

Custom sawmills and custom gristmills (Tables 32 and 33).—Statistics for custom sawmills and custom gristmills are not included in the general tables nor in the totals for manufacturing industries. Data for custom mills were not collected in 1914. Tables 32 and 33, however, summarize the statistics for such mills for 1919 and 1909. The value of products for custom sawmills represents the amount charged for the work performed and that for custom gristmills the selling value of all grain ground.

GENERAL TABLES.

Table 34 gives, for 1919, 1914, and 1909, for selected industries in the state, and in Evansville, Fort Wayne, Indianapolis, South Bend, and Terre Haute, the number of establishments, average number of wage earners, primary horsepower, wages, cost of materials, and value of products; and for 22 other cities of 10,000 inhabitants or more, similar data for all industries combined. Gary and Whiting are omitted to avoid the possibility of disclosing the operations of individual establishments.

TABLE 32.—CUSTOM SAWMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	227	204	11.3
Persons engaged.....	403	594	-32.2
Proprietors and firm members.....	277	269	3.0
Salaried employees.....	1	.....	.....
Wage earners (average number).....	125	325	-61.5
Primary horsepower.....	5,293	4,298	23.2
Capital.....	\$333,795	\$237,931	40.3
Salaries and wages.....	82,521	77,588	6.4
Salaries.....	150	.....	.....
Wages.....	82,371	77,588	6.2
Rent and taxes.....	3,700	(²)	.....
Cost of materials.....	13,411	1,838	629.7
Amount received for work done.....	230,549	220,437	4.6

¹A minus sign (—) denotes decrease.²Figures not available.

TABLE 33.—CUSTOM GRISTMILLS: 1919 AND 1909.

	NUMBER OR AMOUNT.		Per cent of increase, ¹ 1909-1919.
	1919	1909	
Number of establishments.....	131	175	-25.1
Persons engaged.....	232	274	-15.3
Proprietors and firm members.....	130	216	-39.8
Salaried employees.....	36	5	.....
Wage earners (average number).....	66	53	.....
Primary horsepower.....	4,134	4,550	-9.3
Capital.....	\$1,441,720	\$428,879	236.2
Salaries and wages.....	62,680	22,852	174.3
Salaries.....	16,764	1,665	906.2
Wages.....	45,926	21,187	116.8
Rent and taxes.....	16,230	(²)	.....
Cost of materials.....	1,515,593	679,818	122.9
Value of products ³	1,772,733	836,847	111.8

¹A minus sign (—) denotes decrease; percentages are omitted where base is less than 100.²Figures not available.³Includes estimate of all grain ground.

Table 35 presents, for 1919, for the state as a whole and for Evansville, Fort Wayne, Indianapolis, South Bend, and Terre Haute, statistics in detail for each industry for which figures can be shown without disclosing the operations of individual establishments, and for 24 other cities of 10,000 inhabitants or more, similar data for all industries combined. The cities of Gary and Whiting are excluded.

MANUFACTURES—INDIANA.

TABLE 34.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thou- sands of dollars.								Expressed in thou- sands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
All industries.....	1919	7,916	277,580	1,005,012	317,043	1,174,951	1,898,753	Coffins, burial cases, and undertakers' goods.	1919	22	806	1,404	656	2,063	3,948
	1914	8,022	197,503	709,703	119,258	423,857	730,795		1914	22	633	1,254	317	738	1,539
	1909	7,969	186,984	633,377	95,511	334,375	579,075		1909	19	669	1,249	313	701	1,448
Agricultural implements.....	1919	29	5,533	10,864	7,401	12,615	31,824	Confectionery and ice cream...	1919	235	1,713	4,053	1,237	7,213	11,195
	1914	33	3,991	10,892	2,556	3,487	12,701		1914	190	1,263	2,505	555	2,824	4,604
	1909	39	4,749	9,254	2,565	4,864	13,670	Cooperage and wooden goods, not elsewhere specified.	1919	37	557	1,555	493	1,474	2,544
Artificial stone products.....	1919	289	731	1,764	839	1,154	3,086		1914	44	830	2,114	427	1,453	2,283
	1914	335	783	1,308	424	668	1,755		1909	57	891	2,441	382	1,499	2,398
	1909	219	468	495	227	300	851	Copper, tin, and sheet-iron work. ⁵	1919	179	2,073	2,685	2,123	4,677	9,335
Automobiles, including bodies and parts.	1919	172	25,773	39,481	29,853	117,767	179,065		1914	144	2,185	1,592	1,306	4,802	7,801
	1914	86	7,219	12,137	5,027	18,831	29,389		1909	146	2,121	1,637	1,065	3,431	5,763
	1909	67	6,797	5,813	4,131	14,995	23,704	Cotton goods ⁶	1919	4	997	4,550	701	2,490	4,353
Boots and shoes ¹	1919	5	620	426	464	1,905	2,854		1914	4	961	4,015	365	1,134	1,797
	1914	6	360	423	184	776	1,278		1909	7	1,582	5,315	478	1,670	2,502
	1909	8	436	393	159	664	978	Cutlery and tools, not else- where specified.	1919	30	620	1,528	651	866	4,294
Boxes, paper and other, not elsewhere specified.	1919	21	1,562	1,541	1,181	4,406	8,406		1914	16	493	1,256	268	416	787
	1914	17	739	789	322	938	1,705		1909	24	572	1,733	305	403	933
	1909	13	550	351	179	422	782	Electrical machinery, appa- ratus, and supplies.	1919	47	11,756	32,611	11,160	20,810	41,594
Brass, bronze, and copper products.	1919	31	1,271	1,514	1,485	3,234	5,638		1914	41	4,075	6,428	2,423	8,931	8,879
	1914	21	662	1,166	421	802	1,561		1909	42	3,073	5,285	1,361	3,693	7,718
	1909	21	468	503	292	774	1,379	Fertilizers.....	1919	13	328	2,123	306	2,733	4,713
Bread and other bakery products.	1919	802	3,759	5,703	3,609	19,476	30,020		1914	14	193	1,293	95	747	1,136
	1914	825	3,183	3,794	1,936	7,234	12,464		1909	15	123	1,012	62	254	456
	1909	764	2,506	2,124	1,815	6,226	10,209	Flour-mill and gristmill prod- ucts.	1919	450	2,280	39,341	2,273	65,740	75,111
Brick and tile, terra-cotta, pottery, and other clay products. ²	1919	162	4,432	22,111	4,447	4,268	12,646		1914	512	2,281	41,350	1,289	32,241	37,488
	1914	231	5,612	29,771	3,262	2,680	8,605		1909	563	2,298	38,502	1,216	35,002	40,541
	1909	342	5,074	24,970	3,025	2,185	7,685	Food preparations, not else- where specified.	1919	40	539	2,560	398	7,563	9,318
Brooms.....	1919	61	452	541	307	893	1,922		1914	37	199	1,841	112	1,924	2,373
	1914	48	324	290	131	454	750		1909	17	185	914	85	613	795
	1909	44	397	350	151	468	779	Foundry and machine-shop products. ⁷	1919	502	28,143	74,150	33,366	61,066	132,905
Butter and condensed milk ³ ..	1919	99	1,658	3,904	1,464	27,974	32,518		1914	443	16,814	42,866	10,646	21,187	48,423
	1914	120	719	3,007	452	7,431	8,824		1909	415	15,809	20,108	8,857	18,619	39,884
	1909	132	488	1,858	262	3,196	3,950	Furniture ⁸	1919	177	13,257	27,844	11,252	27,484	52,350
Canning and preserving ⁴	1919	166	4,170	9,660	2,795	17,528	27,823		1914	197	10,803	24,584	5,561	10,879	21,412
	1914	141	4,422	7,208	1,574	8,818	13,866		1909	201	11,284	20,449	5,137	8,460	18,456
	1909	134	3,406	6,398	879	6,945	8,758	Gas and electric fixtures and lamps and reflectors.	1919	9	200	989	200	473	873
Carriages and sleds, children's.	1919	8	913	855	826	1,710	3,650		1914	13	383	806	226	421	1,002
	1914	5	517	472	277	589	1,239		1909	12	342	558	152	285	620
	1909	8	761	641	264	549	1,140	Gas, illuminating and heating.	1919	53	1,902	8,378	2,138	6,612	12,454
Carriages and wagons and materials.	1919	100	2,216	6,392	2,063	8,409	12,785		1914	60	1,668	3,707	958	2,611	6,398
	1914	193	7,306	15,257	4,386	10,725	21,569		1909	53	928	5,845	508	1,102	3,147
	1909	221	8,887	13,790	4,355	12,458	21,855	Glass.....	1919	35	9,350	18,977	9,013	13,155	30,107
Cars and general shop con- struction and repairs by electric-railroad companies.	1919	30	977	2,064	1,005	849	1,961		1914	41	9,300	16,048	5,735	6,905	14,881
	1914	32	753	398	482	811	876		1909	44	9,544	21,031	4,942	4,728	11,593
	1909	30	713	713	449	561	1,100	Ice, manufactured.....	1919	107	855	12,075	868	1,413	4,089
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	77	23,099	30,854	32,393	24,867	61,232		1914	106	926	11,663	553	638	2,020
	1914	49	14,398	18,021	10,113	9,332	20,586		1909	85	563	7,720	304	326	1,311
	1909	34	12,884	13,550	8,081	7,876	17,128	Iron and steel, steel works and rolling mills.	1919	23	22,362	278,832	41,294	113,194	199,274
Cars, steam-railroad, not in- cluding operations of rail- road companies.	1919	9	6,650	21,325	11,502	68,075	86,021		1914	19	11,106	38,724	9,620	37,057	58,883
	1914	10	5,800	13,171	3,981	13,711	21,570		1909	17	12,255	111,806	8,390	26,099	38,652
	1909	7	4,084	10,669	1,991	6,309	9,498	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.	1919	6	1,150	4,117	1,239	3,432	6,296
Cement.....	1919	5	1,953	44,315	2,682	5,863	13,383		1914	5	473	2,242	352	907	1,485
	1914	7	2,354	43,048	1,355	4,093	10,107	Iron and steel, forgings, not made in steel works or roll- ing mills.	1919	5	972	2,668	1,374	2,491	6,359
	1909	11	2,318	28,191	1,280	4,159	7,022		1914	9	636	3,201	445	1,391	2,109
Clothing, men's, including shirts.	1919	51	5,471	2,447	3,327	16,155	23,966		1909	8	341	1,461	173	451	794
	1914	41	5,280	1,377	1,950	5,387	8,857	Knit goods.....	1919	8	2,675	1,786	2,220	5,615	9,802
	1909	42	4,073	784	1,805	4,652	8,029		1914	11	2,338	1,985	1,022	2,020	3,748
Clothing, women's.....	1919	26	1,200	274	662	1,914	3,397		1909	5	1,933	1,393	687	915	2,381
	1914	19	1,015	193	329	766	1,454	Leather goods ⁹	1919	128	1,009	1,049	981	3,001	5,169
	1909	18	1,291	196	449	1,057	2,058		1914	162	1,061	1,713	598	2,182	3,521
Coffee, roasting and grinding.	1919	24	187	595	160	2,796	3,711		1909	118	1,240	3,542	527	2,002	3,406
	1914	12	111	419	56	1,461	1,790								
	1909	9	124	251	48	1,458	1,846								

¹ Includes "boot and shoe out stock" in 1909.² Includes "sand-lime brick."³ Includes "cheese" in 1914 and 1909.⁴ Includes "canning and preserving, fruits and vegetables"; and "pickles, preserves, and sauces."⁵ Includes "stamped and enameled ware" in all years; and "tinware" in 1914 and 1909.⁶ Includes "cotton small wares" in 1909.⁷ Includes "gas machines and gas and water meters"; "hardware"; "hardware saddlery"; "iron and steel, cast-iron pipe"; "iron and steel, tempering, and welding"; "machine tools"; "plumbers' supplies, not elsewhere specified"; "steam fittings, and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks, portable"; "structural ironwork, not made in steel works or rolling mills" and "textile machinery and parts" in all years; "engines, steam, gas, and water"; and "pumps, steam and other," in 1919 and 1914; and "bells" in 1909.⁸ Includes "refrigerators" in 1909.⁹ Includes "saddlery and harness" and "trunks and valises."

TABLE 34.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Contd.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mate- rials.	Value of prod- ucts.
					Expressed in thou- sands of dollars								Expressed in thou- sands of dollars.		
THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.															
Leather, tanned, curried, and finished.	1919	9	396	1,206	343	3,455	4,730	Roofing materials.....	1919	7	254	1,379	298	1,685	2,759
	1914	10	434	1,127	226	2,326	2,928		1914	7	147	335	90	716	1,001
	1909	10	398	1,028	205	1,713	2,311		1909	4	42	48	24	154	295
Liquors, malt.....	1919	13	759	8,388	839	1,725	3,950	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1919	15	2,917	11,696	3,018	12,017	20,884
	1914	32	2,207	14,688	1,509	3,367	11,936		1914	9	1,499	5,984	839	4,265	6,333
	1909	37	1,594	11,882	1,019	1,989	8,313		1909	11	787	5,276	410	2,908	4,313
Lumber and timber products. ¹	1919	748	7,381	44,742	6,638	18,840	35,125	Scales and balances.....	1919	5	91	70	93	89	310
	1914	913	7,641	45,253	4,015	11,001	21,034		1914	8	173	211	106	118	620
	1909	1,277	10,317	57,243	4,492	12,382	23,135		1909	8	266	200	163	208	877
Marble and stone work.....	1919	166	2,004	16,668	2,135	2,529	7,612	Slaughtering and meat pack- ing. ²	1919	57	5,691	11,395	5,470	121,690	134,029
	1914	179	3,389	21,953	2,190	2,164	6,657		1914	65	4,481	9,844	2,497	46,262	51,022
	1909	200	3,283	17,143	1,943	1,760	5,756		1909	61	4,323	8,973	2,161	41,986	47,289
Mattresses and spring beds, not elsewhere specified.	1919	20	493	905	384	1,446	2,487	Soap.....	1919	10	540	1,247	532	3,071	5,678
	1914	24	301	469	149	473	838		1914	12	315	668	181	1,587	2,980
	1909	27	553	791	257	691	1,287		1909	11	126	366	54	552	813
Mineral and soda waters.....	1919	122	423	1,729	407	1,711	3,097	Stoves and hot-air furnaces...	1919	25	1,656	2,880	2,076	3,182	7,762
	1914	123	289	516	182	593	1,476		1914	27	1,481	2,887	996	1,676	3,863
	1909	107	235	361	120	261	659		1909	24	1,362	1,704	723	1,021	2,751
Musical instruments and ma- terials, not specified.	1919	14	1,337	825	1,229	1,101	3,148	Tobacco manufactures.....	1919	266	4,203	577	2,604	5,118	10,345
	1914	12	395	503	264	155	742		1914	418	3,659	310	1,668	2,287	6,516
	1909	9	390	216	208	108	610		1909	470	2,794	123	1,126	1,590	4,155
Musical instruments, pianos ³	1919	8	1,432	2,184	1,579	3,376	6,078	Windmills.....	1919	4	402	1,885	338	886	1,556
	1914	12	1,585	3,229	1,039	1,612	3,866		1914	3	451	1,045	282	456	1,078
	1909	15	1,667	2,650	994	1,703	3,696		1909	4	498	877	297	718	1,394
Paint and varnish.....	1919	23	257	944	235	2,800	4,315	Wirework, not elsewhere spec- ified.	1919	21	632	1,462	570	2,669	4,209
	1914	22	178	703	123	922	1,481		1914	30	964	1,882	543	2,245	3,732
	1909	18	200	521	74	683	1,108		1909	31	689	1,182	314	2,342	3,161
Paper and wood pulp.....	1919	26	2,214	25,485	2,230	9,514	15,120	Wood preserving.....	1919	5	177	760	211	1,213	1,784
	1914	24	1,620	20,719	916	4,314	6,234		1914	6	202	580	120	608	1,010
	1909	27	1,501	18,382	754	3,497	5,202		1909	5	324	355	82	280	538
Paper goods, not elsewhere specified. ⁴	1919	6	311	1,838	336	2,388	3,362	Wood, turned and carved.....	1919	31	822	2,628	651	1,783	3,049
	1914	6	559	1,037	260	1,195	1,857		1914	30	630	2,090	331	742	1,295
	1909	8	719	835	256	1,224	1,887		1909	47	677	2,754	203	614	1,169
Patent medicines and com- pounds and druggists' prepa- rations. ⁵	1919	118	1,877	1,518	1,125	6,195	14,036	Woolen goods.....	1919	11	948	1,860	725	3,320	4,542
	1914	156	864	998	415	2,095	5,740		1914	10	719	1,519	318	991	1,522
	1909	113	801	809	354	1,460	4,344		1909	11	776	1,078	293	1,056	1,570
Printing and publishing ⁶	1919	865	6,772	9,557	6,741	10,109	30,612	All other industries.....	1919	1,044	87,349	212,680	43,919	259,580	394,854
	1914	922	6,140	7,973	3,994	5,019	17,117		1914	641	23,036	139,279	14,014	90,227	155,303
	1909	892	6,756	17,868	3,522	4,025	14,356		1909	541	18,700	101,081	9,022	60,099	113,008

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

EVANSVILLE.....	1919	299	12,526	25,007	10,708	44,149	70,230	EVANSVILLE—Con.							
All industries.	1914	297	10,333	24,102	5,168	18,411	31,427								
	1909	292	8,824	18,132	3,879	12,347	22,289	Leather goods *	1919	7	70	47	59	213	351
									1914	11	152	316	77	191	321
									1909	12	198	284	63	198	357
Agricultural implements.....	1919	4	255	737	257	595	1,521								
	1914	5	240	765	138	267	716	Lumber and timber products ¹⁰	1919	11	347	1,634	270	669	1,371
	1909	5	234	755	128	218	650		1914	15	486	2,237	301	1,146	1,716
									1909	16	549	2,660	284	818	1,443
Bread and other bakery products.	1919	24	124	222	135	742	1,137								
	1914	19	126	120	79	261	452	Marble and stone work, except slate.	1919	5	43	181	48	128	341
	1909	19	119	103	57	319	487		1914	6	44	178	35	79	174
Clothing, men's and youths'...	1919	5	250	74	112	531	931								
	1914	4	100	57	34	253	320	Mineral and carbonated waters	1919	6	33	58	34	213	357
									1914	6	35	44	26	118	186
Confectionery.....	1919	6	16	7	9	53	91		1909	5	18	13	9	9	31
	1914	6	27	118	10	56	86	Patent medicines and compounds and druggists' preparations, *	1919	7	15	8	9	90	179
	1909	6	38	2	23	81	142		1914	10	15	12	6	35	73
									1909	6	16	22	8	47	90
Copper, tin, and sheet-iron work.	1919	14	51	0	57	66	169	Printing and publishing.....	1919	16	267	348	282	349	1,209
	1914	22	84	10	46	84	188		1914	21	261	248	177	216	738
									1909	27	254	296	165	152	600
Flour-mill and gristmill products.	1919	7	269	2,106	264	9,543	10,515								
	1914	8	165	1,955	95	3,040	3,513	Stoves and ranges.....	1919	4	369	624	488	487	1,540
	1909	8	97	1,545	64	2,816	3,182		1914	5	298	824	183	167	578
									1909	5	370	492	208	217	771
Foundry and machine-shop products. ⁸	1919	18	1,201	2,130	1,347	3,534	6,267								
	1914	12	720	1,470	372	692	1,300	Tobacco, cigars.....	1919	22	2,661	478	1,449	3,265	6,268
	1909	12	375	659	204	338	701		1914	25	1,852	208	630	1,081	2,378
Furniture.....	1919	24	2,227	4,758	1,879	4,002	8,605	All other industries.....	1919	119	4,238	11,586	4,009	19,579	29,378
	1914	27	1,806	4,266	806	1,910	3,375		1914	95	3,922	11,274	2,163	8,815	15,304
	1909	26	1,458	2,997	633	1,205	2,520		1909	145	5,042	8,304	2,033	5,929	11,315

¹ Includes "boxes, wooden packing, except cigar boxes"; "lumber, planing-mill products, not including planing mills connected with saw mills"; and "window and door screens and weather strips."

² Includes "musical instruments, organs," and "musical instruments, piano and organ materials," in 1909.

³ Includes "envelopes" in 1909.

⁴ Includes "perfumery and cosmetics."

⁵ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

⁶ Includes "sausage, not made in slaughtering and meat-packing establishments," in 1909.

⁷ Excludes Gary, to avoid disclosure of individual operations.

⁸ Includes "plumbers' supplies, not elsewhere specified"; and "structural ironwork, not made in steel works or rolling mills," in all years; "engines, steam, gas, and water," in 1919 and 1914; and "hardware," and "hardware, saddlery," in 1919.

⁹ Includes "saddlery and harness" in all years, and "trunks and valises" in 1914 and 1909.

¹⁰ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills."

TABLE 34.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Contd.

INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mater- ials.	Value of prod- ucts.	INDUSTRY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of mater- ials.	Value of prod- ucts.
							Expressed in thou- sands of dollars.								Expressed in thou- sands of dollars.
CITIES OF 50,000 INHABITANTS OR MORE, ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.															
FORT WAYNE.....	1919	247	16,344	43,431	17,435	37,908	76,713	INDIANAPOLIS—Contd.	1919	21	642	660	363	1,764	3,037
All industries.	1914	228	11,161	16,771	6,299	14,148	30,205	Confectionery.....	1914	14	500	594	168	983	1,513
	1909	230	10,298	15,063	5,023	11,415	23,687		1909	14	474	380	160	915	1,472
Bread and other bakery prod- ucts.	1919	26	507	784	498	2,119	3,862	Copper, tin, and sheet-iron work.	1919	25	166	104	187	509	928
	1914	18	352	302	189	819	1,861		1914	20	230	175	184	718	1,121
	1909	15	269	247	145	681	1,021	Electrical machinery, appa- ratus, and supplies.	1919	16	1,764	4,577	1,638	4,381	8,591
Foundry and machine-shop products. ¹	1919	21	1,220	3,401	1,357	2,219	5,808		1914	7	307	804	214	360	893
	1914	19	1,941	3,805	1,145	2,200	7,030		1909	7	364	593	184	407	864
	1909	20	1,880	3,601	889	1,813	4,878	Flour-mill and gristmill prod- ucts.	1919	7	421	0,888	471	12,611	14,574
Lumber and timber products. ²	1919	13	193	1,791	185	652	1,029		1914	8	403	0,135	271	7,111	7,971
	1914	11	215	1,126	124	467	740		1909	9	324	4,735	179	5,800	6,448
	1909	13	354	1,500	175	769	1,263	Foundry and machine-shop products. ⁴	1919	93	8,564	16,372	10,086	15,822	37,873
Marble and stone work.....	1919	8	27	108	33	37	117		1914	89	4,164	7,060	2,640	4,343	10,845
	1914	6	36	72	35	37	88		1909	78	4,481	7,318	2,525	5,401	11,442
	1909	6	51	90	33	36	91	Furniture.....	1919	27	1,740	2,909	1,500	3,222	6,156
Patent medicines and com- pounds.	1919	8	101	55	102	292	934		1914	26	1,522	3,059	897	1,730	3,443
	1914	9	16	40	9	110	423		1909	32	1,033	2,189	852	1,322	2,942
	1909	10	20	20	7	79	244	Ice, manufactured.....	1919	12	213	3,312	231	402	1,075
Printing and publishing, book and job.	1919	16	254	178	285	362	869		1914	8	226	1,907	145	107	426
	1914	17	201	211	117	200	478		1909	6	87	859	41	54	180
Tobacco, cigars.....	1919	26	148	6	153	202	495	Leather goods. ⁵	1919	14	264	277	260	1,208	2,006
	1914	27	201	3	138	145	405		1914	7	169	199	106	414	665
	1909	32	198	.....	100	144	355		1909	8	313	199	137	602	961
All other industries.....	1919	129	13,894	37,108	14,822	32,025	63,599	Lumber and timber products. ⁶	1919	42	858	5,499	815	2,399	4,710
	1914	121	8,199	11,212	4,543	10,150	19,980		1914	52	900	4,329	574	2,200	3,435
	1909	134	7,526	9,545	3,074	7,943	15,835		1909	44	978	3,925	544	1,944	3,233
INDIANAPOLIS.....	1919	1,004	49,977	102,741	52,410	266,754	398,667	Marble and stone work.....	1919	9	62	351	80	159	327
All industries.	1914	886	30,971	65,215	19,042	91,064	139,700		1914	7	90	470	69	111	248
	1909	853	31,736	50,622	16,507	84,037	126,313	Mineral and carbonated waters	1919	0	62	99	63	267	433
Artificial stone products.....	1919	12	59	173	66	162	359		1914	7	41	34	27	63	153
	1914	14	72	88	45	65	169		1909	5	31	35	10	48	100
	1909	17	57	39	32	39	167	Models and patterns, not in- cluding paper patterns.	1919	13	129	97	239	102	463
Automobiles, including bod- ies and parts.	1919	47	8,584	11,766	10,886	48,836	73,299		1914	6	30	25	26	4	54
	1914	30	2,673	5,779	1,916	8,184	12,993		1909	6	21	25	18	5	40
	1909	17	2,394	2,266	1,466	5,994	8,840	Optical goods.....	1919	7	250	175	214	390	885
Awnings, tents, and sails.....	1919	6	43	28	27	110	227		1914	4	32	19	24	34	123
	1914	5	64	40	30	102	201	Paints. ⁷	1919	8	100	538	86	1,325	1,928
	1909	4	58	30	20	91	174		1914	8	83	461	56	455	638
Boxes, paper and other, not elsewhere specified.	1919	4	319	235	180	749	1,233		1909	9	148	338	45	376	592
	1914	4	184	270	70	173	324	Patent medicines and com- pounds and druggists' prep- arations. ⁸	1919	36	1,326	940	725	3,815	7,064
	1909	3	155	127	50	135	239		1914	32	498	625	227	1,315	3,227
Brass, bronze, and copper products.	1919	8	350	799	407	858	1,585		1909	34	549	497	244	959	2,301
	1914	5	235	863	166	370	680	Printing and publishing. ⁹	1919	169	1,956	2,995	2,176	3,991	12,027
Bread and other bakery prod- ucts.	1919	88	1,100	1,562	861	4,744	7,713		1914	152	1,681	2,242	1,308	1,855	6,806
	1914	83	819	1,238	470	1,865	3,228		1909	126	1,756	1,071	1,080	1,488	5,622
	1909	73	596	587	288	1,705	2,800	Slaughtering and meat pack- ing. ¹⁰	1919	13	4,664	8,410	4,384	95,990	104,806
Cars and general shop con- struction and repairs by steam-railroad companies.	1919	13	2,805	1,699	3,960	2,435	6,839		1914	10	3,620	5,142	1,955	34,587	37,780
	1914	6	1,281	912	896	750	1,741		1909	16	3,737	3,681	1,804	35,013	39,134
	1909	5	2,108	1,123	1,323	1,123	2,602	Stoves and hot-air furnaces....	1919	7	279	389	353	365	1,057
Cleansing and polishing prepa- rations.	1919	6	51	74	29	280	536		1914	11	298	450	236	396	874
	1914	6	45	82	13	145	321		1909	7	312	334	161	242	598
Clothing, men's. ¹¹	1919	8	1,628	390	1,290	4,061	6,780	Tobacco, cigars.....	1919	30	267	2	171	368	734
	1914	7	1,542	380	771	1,435	2,852		1914	34	355	.....	222	212	578
	1909	10	1,539	330	583	1,359	2,709		1909	44	475	2	206	223	681
Clothing, women's.....	1919	9	508	148	334	1,008	1,756	All other industries.....	1919	238	10,711	30,982	10,743	52,833	86,669
	1914	9	384	106	170	390	687		1914	211	8,459	20,602	5,113	19,721	34,943
	1909	8	462	78	172	401	725		1909	267	8,606	19,110	4,339	17,495	30,211
Coffee, roasting and grinding..	1919	10	80	335	76	1,588	2,097								
	1914	4	58	210	27	866	1,059								
	1909	4	78	116	32	896	1,167								

¹ Includes "gas machines and gas and water meters"; "plumbers' supplies, not elsewhere specified"; and "pumps, steam and other power," in all years; "structural ironwork, not made in steel works or rolling mills," in 1914 and 1909; and "steam fittings and steam and hot-water heating apparatus" in 1909.

² Includes "lumber, planing-mill products, not including planing mills connected with sawmills."

³ Includes "shirts" in 1909.

⁴ Includes "hardware"; "iron and steel, welding"; "machine tools"; "steam fittings and steam and hot-water heating apparatus"; "steel barrels, drums, and tanks, portable"; and "structural ironwork, not made in steel works or rolling mills," in all years; "engines, steam, gas, and water," and "pumps, steam and other power," in 1919 and 1914; "plumbers' supplies, not elsewhere specified," in 1914 and 1909; "gas machines"; and "hardware, saddlery," in 1914.

⁵ Includes "saddlery and harness" and "trunks and valises."

⁶ Includes "boxes, wooden packing, except cigar boxes," and "lumber, planing-mill products, not including planing mills connected with sawmills," in all years; and "window and door screens and weather strips" in 1919 and 1914.

⁷ Includes "varnishes" in 1909.

⁸ Includes "perfumery and cosmetics."

⁹ Includes "bookbinding and blank-book making"; "engraving, steel and copper plate, including plate printing"; and "lithographing."

¹⁰ Includes "sausage, not made in slaughtering and meat-packing establishments," in 1909.

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TABLE 34.—COMPARATIVE SUMMARY FOR SELECTED INDUSTRIES AND FOR CITIES: 1919, 1914, AND 1909—Contd.

INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of materi- als.	Value of prod- ucts.	INDUSTRY AND CITY.	Cen- sus year.	Num- ber of estab- lish- ments	Wage earn- ers (aver- age num- ber).	Pri- mary horse- power.	Wages.	Cost of materi- als.	Value of prod- ucts.
					Expressed in thou- sands of dollars.								Expressed in thou- sands of dollars.		
CITIES OF 50,000 INHABITANTS OR MORE, ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES--Continued.															
SOUTH BEND.....	1919	214	14,792	28,748	17,427	38,706	75,339	TERRE HAUTE.....	1919	257	6,458	10,664	7,390	26,903	41,968
All industries.	1914	250	12,203	21,612	6,989	12,742	31,180	All industries.	1914	171	5,270	14,552	3,206	11,008	25,699
	1909	218	11,789	16,280	5,886	15,253	27,855		1909	169	4,347	10,398	2,503	8,375	21,470
Bread and other bakery prod- ucts.	1919	21	103	125	134	662	969	Artificial stone products.....	1919	7	18	16	23	43	86
	1914	24	106	75	74	241	412		1914	3	11	15	8	10	31
	1909	23	107	104	55	259	334	Bread and other bakery prod- ucts.	1919	28	265	394	249	1,255	2,030
Confectionery.....	1914	8	114	100	100	439	744		1914	21	215	174	115	526	881
	1914	7	41	42	20	86	148		1909	20	203	112	98	431	741
	1909	7	46	20	19	67	140	Clothing, men's and youths'..	1919	4	286	161	133	929	1,352
Copper, tin, and sheet-iron work.	1919	4	25	5	28	32	89		1914	3	377	114	169	753	1,034
	1914	9	47	53	35	47	109		1909	3	418	85	136	640	941
Foundry and machine-shop products. ¹	1919	11	304	486	375	444	1,264	Confectionery and ice cream..	1919	8	182	263	96	496	748
	1914	16	427	579	280	267	717		1914	5	125	117	55	230	391
	1909	20	473	672	255	331	882	Foundry and machine-shop products. ¹	1919	18	481	1,274	539	798	1,863
Lumber, planing-mill prod- ucts, not including planing mills connected with saw- mills.	1919	6	84	258	91	562	764		1914	15	339	575	223	444	1,025
	1914	6	83	241	52	301	467		1909	11	191	464	113	221	428
Marble and stone work.....	1919	3	16	69	25	51	124	Mineral and carbonated waters	1919	6	20	58	18	134	219
	1914	3	17	93	15	32	71		1914	7	25	56	14	38	93
Mineral and carbonated waters	1919	4	11	4	10	36	70	Printing and publishing.....	1919	18	188	237	250	387	1,250
	1914	4	9	8	7	14	34		1914	16	183	255	146	142	631
Patent medicines and com- pounds and druggists' preparations. ²	1919	13	106	15	57	146	433		1909	19	206	340	169	162	562
	1914	15	59	22	32	76	863	Tobacco, cigars. ³	1919	9	7	5	5	11	32
	1909	13	37	20	12	42	228		1914	18	118	10	23	66	122
Printing and publishing. ⁴	1919	23	244	292	269	479	1,340		1909	22	18	2	9	20	54
	1914	27	253	308	187	234	767	All other industries.....	1919	159	5,011	17,256	6,077	22,850	34,388
	1909	21	263	237	157	155	468		1914	83	3,877	13,238	2,453	8,794	21,491
Tobacco, cigars.....	1919	12	155	10	143	216	523		1909	94	3,311	9,395	1,978	6,901	18,714
	1914	22	230	12	118	163	420								
	1909	25	259	19	106	164	423								
All other industries.....	1919	109	13,630	27,384	16,195	35,639	69,019								
	1914	117	10,931	20,079	6,169	11,270	27,672								
	1909	109	10,604	15,208	5,282	14,235	25,380								

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

ANDERSON	1919	99	7,928	20,002	88,455	322,090	\$38,931	LAFAYETTE	1919	85	2,550	6,153	2,879	6,879	12,616
	1914	114	3,906	16,569	2,425	7,211	12,789		1914	54	1,310	3,932	795	3,077	5,186
	1909	116	4,393	12,981	2,104	8,127	13,765		1909	65	1,225	3,149	629	3,085	4,867
BLOOMINGTON	1919	39	1,420	3,708	1,123	4,250	6,816	LOGANSPORT	1919	67	2,338	5,554	3,044	3,925	7,746
	1914	40	1,057	3,047	581	1,370	2,329		1914	67	1,709	2,454	1,110	2,019	3,671
	1909	39	1,057	3,047	581	1,370	2,329		1909	68	2,169	2,338	1,237	1,982	4,201
CRAWFORDSVILLE	1919	55	785	2,181	742	2,870	4,837	MARION	1919	101	4,646	8,941	4,331	14,819	24,325
	1914	56	680	2,004	398	1,668	2,549		1914	90	2,970	6,172	1,695	3,561	6,705
	1909	56	680	2,004	398	1,668	2,549		1909	88	2,229	6,106	1,174	2,248	4,282
EAST CHICAGO	1919	61	8,967	84,569	15,258	63,334	89,569	MICHIGAN CITY	1919	47	3,452	6,393	4,669	27,125	37,361
	1914	79	7,482	44,676	6,384	28,584	41,624		1914	52	4,442	7,889	2,593	10,205	15,120
	1909	32	5,067	38,363	3,317	17,768	28,869		1909	47	2,885	5,835	1,261	5,342	8,261
ELKHART	1919	120	5,728	9,491	6,059	13,362	24,421	MISHAWAKA	1919	32	5,068	11,261	5,688	14,028	27,765
	1914	105	2,993	5,952	1,909	4,382	8,649		1914	52	3,332	8,255	1,898	5,731	12,304
	1909	68	2,942	4,473	1,507	2,945	6,835		1909	42	3,446	7,610	1,748	5,270	10,883
ELWOOD	1919	32	2,167	7,110	2,620	10,518	15,645	MUNCIE	1919	121	6,559	15,542	7,142	18,810	33,176
	1914	39	1,961	6,617	1,478	5,689	8,187		1914	113	3,687	7,408	2,376	6,466	10,779
	1909	36	2,072	6,122	1,399	6,226	8,379		1909	100	3,583	6,420	1,913	4,638	8,441
HAMMOND	1919	94	6,065	16,018	8,839	39,952	59,276	NEW ALBANY	1919	93	1,239	3,341	1,110	4,128	6,766
	1914	82	4,281	9,825	2,669	9,829	20,584		1914	102	1,458	4,462	672	1,860	3,236
	1909	49	3,841	7,348	1,861	6,651	15,580		1909	94	1,851	3,779	697	1,774	3,323
HUNTINGTON	1919	57	2,165	3,139	2,732	4,498	9,977	NEW CASTLE	1919	33	4,041	5,821	4,170	8,499	14,584
	1914	50	1,239	2,440	631	1,540	2,791		1914	33	1,950	3,674	1,282	1,947	4,498
	1909	33	1,376	1,400	623	1,130	2,228	PERU	1919	40	1,466	1,941	1,190	2,445	4,705
JEFFERSONVILLE	1919	29	1,017	3,364	1,332	4,392	6,733		1914	34	787	1,819	877	859	1,529
	1914	40	1,176	3,621	825	2,206	3,529		1909	31	619	2,013	276	482	1,067
	1909	35	766	3,422	437	1,083	1,916	RICHMOND	1919	144	4,938	6,711	4,859	12,712	22,894
KOKOMO	1919	98	6,727	33,470	8,249	21,563	38,709		1914	118	3,662	5,707	2,810	4,970	10,252
	1914	78	3,289	12,178	2,149	6,075	10,641		1909	107	3,621	5,087	1,834	5,118	10,374
	1909	72	2,051	3,955	1,075	2,982	5,451	VINCENNES	1919	98	1,191	4,090	1,089	4,586	7,582
LA PORTE	1919	52	3,502	5,741	4,061	10,531	20,551		1914	71	962	4,120	601	2,670	5,293
	1914	55	1,765	4,676	1,160	2,408	5,829		1909	84	1,233	5,044	669	2,416	4,284
	1909	41	1,674	3,373	795	1,813	3,972								

¹ Includes "hardware" and "structural ironwork, not made in steel works or rolling mills," in 1909.

² Includes "perfumery and cosmetics" in 1919.

³ Includes "bookbinding and blank-book making" in 1909.

⁴ Includes "structural ironwork, not made in steel works or rolling mills," in 1909.

⁵ Includes "tobacco, chewing and smoking, and snuff," in 1909.

⁶ Excludes Whiting, to avoid disclosure of individual operations.

MANUFACTURES—INDIANA.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.		Female.	Male.	Female.			
								Maximum month.	Minimum month.								
All industries.....	7,916	330,145	6,768	13,594	20,747	11,456	277,580	Se 204,892	Mh 261,725	(*)	(*)	(*)	(*)	(*)	Dollars. 1,335,714,103		
Agricultural implements.....	29	7,149	10	313	979	814	5,533	De 6,118	Ap 5,054	6,122	5,937	176	9		42,534,365		
Artificial limbs.....	3	4	2	1			1	De 2	Mh 0	3	3				2,126		
Artificial stone products.....	289	1,217	326	87	46	27	781	Au 1,058	Fe 374	980	928	2			2,228,176		
Automobile bodies and parts.....	145	17,387	99	651	706	682	15,229	No 16,587	Fe 12,865	17,092	16,548	1,081	55	8	54,604,095		
Automobiles.....	27	12,162	3	393	737	510	10,514	De 13,247	Fe 8,769	18,126	12,178	894	54		54,609,762		
Automobile repairing.....	358	1,454	439	64	16	50	885	Au 951	Ja 779	926	919	5	2		1,954,600		
Awnings, tents, and sails.....	10	187	17	11	7	10	142	My 220	Ja 82	175	72	103			446,832		
Baskets, and rattan and willow ware	12	1,113	11	38	33	14	1,017	De 1,130	Ja 898	1,103	603	458	15	32	820,036		
Bookbinding and blank-book making	14	88	10	9	1	68	68	Oc 76	Mh 64	74	38	33	1	2	107,870		
Boots and shoes, not including rubber boots and shoes.....	5	802	1	36	97	48	620	Fe 743	Je 378	657	325	268	26	38	2,270,431		
Boxes, cigar.....	8	118	10	5		1	102	De 147	Ja 62	142	37	76	1	28	72,124		
Boxes, paper and other, not elsewhere specified.....	21	1,815	11	71	100	71	1,562			1,725	845	817	15	48	4,288,746		
Shipping containers, corrugated and fiber.....	8	1,207	1	38	88	54	1,026	No 1,196	Mh 886	1,113	670	427	5	11	3,204,732		
Cartons, and set-up paper boxes.....	13	608	10	33	12	17	536	De 606	Fe 499	612	175	390	10	37	1,084,014		
Boxes, wooden packing, except cigar boxes.....	28	1,064	18	45	29	23	949	Se 1,070	Mh 846	1,116	898	174	37	7	1,933,978		
Brass, bronze, and copper products.....	31	1,396	17	56	27	25	1,271	No 1,502	My 1,117	1,425	1,351	70	4		2,260,491		
Bread and other bakery products.....	802	5,706	916	194	611	226	3,759	De 3,980	Ja 3,504	4,050	2,048	1,031	57	14	10,637,558		
Brick and tile, terra-cotta, and fire-clay products.....	151	4,132	111	211	112	50	3,648			4,286	4,096	170	11		15,992,617		
Building brick.....	41	1,323	21	81	29	13	1,179	Se 1,554	Ja 609	1,515	1,504	4	7		5,340,159		
Fire brick, stove lining, and tile, other than drain tile.....	7	516	1	16	19	8	472	Jy 523	De 387	462	390	63			3,066,769		
Sewer pipe and drain tile.....	62	1,359	89	84	25	10	1,151	Se 1,415	Ja 756	1,338	1,334	2	2		3,572,297		
Terra-cotta products.....	11	934		30	39	19	846	Oc 1,036	Mh 563	971	850	110	2		4,014,392		
Brooms.....	61	605	69	34	33	17	452	Fe 498	Au 394	495	337	133	21	4	1,165,632		
Butter.....	92	2,001	60	160	120	199	1,453	Au 1,645	Ja 1,198	1,434	1,142	202			5,061,815		
Buttons.....	14	306	27	15	2	1	261	De 318	My 209	313	294	19			256,676		
Canning and preserving, fruits and vegetables.....	136	3,510	118	246	98	99	2,949	Se 9,239	Mh 801	7,561	3,714	3,715	40	86	11,527,447		
Carpets, rag.....	11	75	15	5	2	3	50	My 70	Ja 34	50	22	28			67,696		
Carriage and wagon materials.....	21	882	11	39	23	27	782	Oc 868	Mh 696	840	704	38	8		2,613,043		
Carriages and sleds, children's.....	8	1,049	1	35	50	45	918	Je 980	Ja 833	924	096	195	26	7	2,263,169		
Carriages and wagons, including repairs.....	79	1,777	74	63	107	99	1,434			1,508	1,421	77	10		6,473,479		
Carriages and wagons.....	49	1,666	43	60	105	95	1,363	No 1,408	Ap 1,264	1,432	1,347	76	9		6,291,292		
Repair work only.....	30	111	31	3	2	4	71	Se 71	Ap 67	76	74	1	1		182,187		
Cars and general shop construction and repairs by electric-railroad companies.....	30	1,042		37	23	6	977	Jy 1,001	Je 949	998	970	26			1,770,669		
Cars and general shop construction and repairs by steam-railroad companies.....	77	25,000		883	852	246	23,099	De 24,841	Ap 21,821	25,075	24,062	113			28,456,300		
Cars, steam-railroad, not including operations of railroad companies.....	9	7,494		202	419	133	6,650	My 7,842	Se 5,476	7,045	7,018	27			62,901,805		
Cement.....	5	2,420		108	259	100	1,953	Se 2,475	Ja 1,452	2,183	2,089	94			11,814,207		
Chemicals.....	9	1,305		32	176	71	1,026	Ja 1,244	Je 827	1,008	990	14	4		7,466,016		
Cleansing and polishing preparations.....	11	126	5	11	51	5	64			59	21	38			267,232		
Cleansing preparations.....	4	51	3	2	30	2	14	De 17	Mh 12	15	6	9			56,548		
All other.....	7	75	2	9	21	3	40	De 54	Je 31	44	15	20			210,684		
Clothing, men's.....	37	8,995	32	110	213	160	3,480			3,778	619	3,024	13	122	6,516,741		
Men's and youths'.....	13	2,201	14	63	139	125	1,680	De 2,068	Ja 1,602	2,057	478	1,539	9	31	3,331,950		
All other, including contract work	24	1,794	18	47	74	35	1,020	De 1,691	Ap 1,555	1,721	141	1,485	4	91	2,684,791		
Clothing, women's.....	26	1,383	10	59	75	30	1,200			1,208	96	1,069	2	41	1,694,693		
Regular factories.....	22	1,252	6	56	75	38	1,077			1,108	89	970	2	41	1,650,470		
Suits, skirts and cloaks.....	5	142	2	11	16	2	111	No 152	Ja 75	147	19	127			156,213		
Shirt waists and dresses, except house dresses.....	5	558	1	22	31	16	488	My 526	Ja 456	494	31	460	1	2	487,127		
Undergarments and petticoats.....	4	141	2	5	6	6	122	Jy 128	Mh 112	124	8	106		10	206,612		
Wrappers and house dresses.....	5	358	1	13	21	13	810	No 369	Fe 263	295	28	266		1	738,796		
All other.....	3	53		5	1	1	46	Au 53	Ap 33	48	3	17	1	27	61,722		
Contract work.....	4	131	4	3		1	123	Se 172	Ja 81	100	7	93			44,193		
Coffee, roasting and grinding.....	24	327	18	29	66	27	187	No 205	Fe 167	207	109	96		2	1,961,597		
Coffins, burial cases, and undertakers' goods.....	22	995	4	69	85	31	800	Mh 842	Au 777	796	571	217	3	5	2,574,332		
Condensed milk.....	7	254		20	7	22	205	Je 246	Mh 159	193	163	30			1,363,855		
Confectionery and ice cream.....	235	2,381	263	128	162	115	1,713			1,846	946	820	17	63	5,128,756		
Confectionery.....	84	1,526	92	59	141	57	1,177	Oc 1,371	My 985	1,275	433	768	11	63	2,819,699		
Ice cream.....	151	855	171	69	21	58	536	Jy 758	Ja 376	571	513	52	6		2,309,057		
Cooperage.....	24	225	14	12	8	8	183			225	225				763,470		
Hogshead and barrels.....	19	162	13	10	2	2	135	Fe 184	Je 111	185	185				522,239		
All other.....	5	63	1	2	6	6	48	Jy 61	Oc 40	39	39				241,231		
Copper, tin, and sheet-iron work.....	172	1,023	177	87	30	43	696	Se 789	Ja 565	780	745	32	3		1,925,038		
Cotton goods.....	4	1,043		18	20	8	997	Mh 1,044	Ja 950	1,001	426	503	19	53	3,627,971		
Cutlery and edge tools.....	4	182	2	10	5	4	161	Mh 175	De 70	186	153	28			562,053		
Dairymen's and poultrymen's supplies.....	10	311	5	29	6	15	256			318	230	81	5	2	668,797		
Incubators, brooders, and other poultrymen's supplies.....	6	203	4	17	5	10	167	De 235	Je 89	235	152	77	4	2	292,793		
Cream separators and other dairymen's supplies.....	4	108	1	12	1	5	89	Mh 106	Se 69	83	78	4	1		376,004		
Dental goods.....	3	16	4	1	2	9	Se 11	De 8		10	8	2			30,938		

* Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

* No figures given for reasons stated under "Explanation of terms."

MANUFACTURES—INDIANA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.				Rent and taxes.		For materials.				Primary horsepower.					Electric horse-power generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.	For contract work.	Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
										Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹	Rent-ed. ²	

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

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MANUFACTURES—INDIANA.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Num-ber of estab-lish-ments	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.
		Total.	Pro- pri- etors and firm mem- bers.	Sala- ried offi- cers, super- in- tend- ents, and man- agers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.			
					Male.	Fe- male.	Aver- age num- ber.	Number, 15th day of—			Male.	Fe- male.	Male.	Fe- male.		
								Maximum month.	Minimum month.							

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																	Dollars.
1	Druggists' preparations.....	25	1,844	15	81	118	221	1,409	Ja	1,617	Au	1,280	1,338	633	705	-----	6,598,250
2	Electrical machinery, apparatus, and supplies.....	47	14,160	6	329	1,188	881	11,756	No	13,521	Ja	9,859	13,008	9,122	3,783	61	35,430,335
3	Electroplating.....	11	49	11	1	-----	-----	37	De	49	Jy ²	32	52	51	1	-----	46,408
4	Engines, steam, gas, and water.....	16	3,547	5	111	469	109	2,853	Ja	3,268	Jy	2,530	3,085	2,970	118	-----	16,892,903
5	Engraving, steel and copper plate, including plate printing.....	7	128	6	6	7	6	103	Oc	115	Ja	92	111	88	17	3	106,902
6	Fertilizers.....	13	435	3	32	50	22	328	Se	628	Fe	258	300	296	3	1	3,268,585
7	Flavoring extracts.....	7	72	4	10	10	11	37	De	41	Fe ³	35	40	13	27	-----	184,225
8	Flour-mill and gristmill products.....	450	3,471	489	280	235	157	2,280	Se	2,473	Fe	2,084	2,394	2,323	71	-----	29,939,740
9	Food preparations, not elsewhere specified.....	40	734	39	53	71	32	539	-----	-----	-----	-----	461	367	94	-----	3,275,031
10	Sweetening sirups, other than cane.....	21	62	24	6	-----	3	20	Oc	92	My	6	97	91	6	-----	92,534
11	Other preparations for human consumption.....	12	449	9	10	24	13	384	Ja	654	De	234	241	153	88	-----	1,084,548
12	Prepared feed for animal and fowl consumption.....	7	223	6	28	47	16	126	Jy	140	De	119	123	123	-----	-----	1,497,949
13	Foundry and machine-shop products.....	395	22,698	270	1,023	1,681	896	13,828	-----	-----	-----	-----	21,609	19,709	1,431	468	95,507,011
14	Boiler shops.....	25	1,176	23	25	87	23	1,015	Ja	1,118	Ja	980	1,004	1,004	-----	-----	2,421,871
15	Foundries.....	95	6,855	39	815	198	131	6,172	De	7,071	Mh	5,509	7,149	6,828	312	8	17,911,561
16	Machine shops.....	279	10,670	200	544	1,137	569	8,220	De	9,137	Ap	7,708	9,511	8,427	624	400	65,310,205
17	Machine shop and foundry combined.....	26	3,997	5	139	259	173	3,421	De	3,911	Mh	2,384	3,945	3,450	495	-----	9,883,914
18	Fur goods.....	7	39	7	1	-----	2	20	No	43	Je ²	21	36	10	26	-----	106,511
19	Furniture.....	177	14,953	57	691	553	295	13,257	De	12,974	Ja	10,525	14,540	12,751	1,435	255	33,004,712
20	Wood, rattan, and willow furniture.....	155	13,340	50	590	590	262	11,848	-----	-----	-----	-----	13,041	11,623	1,281	192	29,630,182
21	Metal furniture.....	6	339	4	24	14	9	338	De	366	Mh	323	365	317	47	1	750,526
22	Store and office fixtures.....	16	1,224	3	77	40	24	1,071	De	1,131	Mh	1,019	1,134	911	157	62	2,618,004
23	Gas and electric fixtures.....	3	57	1	7	-----	7	42	Oc	58	Ja	29	58	49	9	-----	177,807
24	Gas, illuminating and heating.....	53	2,633	1	147	320	254	1,903	Au	1,987	My	1,786	1,836	1,830	6	-----	32,999,981
25	Gas machines and gas and water meters.....	7	450	1	18	94	12	325	No ³	891	Je	230	395	395	-----	-----	1,001,493
26	Glass.....	35	9,911	-----	236	186	139	9,350	No	10,492	Au	7,860	10,494	8,599	1,308	423	10,900,866
27	Glass, cutting, staining, and ornamenting.....	12	310	8	14	5	12	271	No ³	311	Ja	227	305	251	49	5	935,821
28	Gloves and mittens, leather.....	4	232	1	12	4	2	213	Oc	250	Mh	106	246	55	150	9	303,283
29	Gloves and mittens, cloth, not including gloves made in textile mills.....	24	1,628	8	61	24	25	1,520	Ja	1,829	My	1,259	1,534	139	1,257	28	3,570,256
30	Glue, not elsewhere specified.....	4	218	-----	14	6	5	193	De	222	Jy	161	216	202	14	-----	752,890
31	Grease and tallow, not including lubricating greases.....	44	222	47	21	1	4	149	-----	-----	-----	-----	154	152	1	1	907,595
32	Soap stock.....	31	153	22	18	1	3	99	Se	105	Je	88	102	100	1	1	540,255
33	Tallow.....	8	47	8	2	-----	1	36	Oc ³	40	Ap	30	38	38	-----	-----	280,712
34	All other.....	5	22	7	1	-----	14	60	No	15	Jy	13	14	14	-----	-----	86,623
35	Hand stamps.....	10	98	10	4	7	8	69	De	79	Ja	58	70	48	22	-----	85,832
36	Hardware.....	8	214	2	17	5	16	174	Au	274	Ja	83	236	161	69	2	503,011
37	Hats and caps, other than felt, straw and wool.....	4	34	3	5	3	1	22	Oc	40	Fe ³	2	35	20	15	-----	59,799
38	Hones and whetstones.....	4	23	4	4	1	-----	14	Se	18	Fe	10	16	14	2	-----	111,550
39	House-furnishing goods, not elsewhere specified.....	9	43	8	4	1	1	34	Oc ³	35	No	32	35	12	23	-----	80,765
40	Ice, manufactured.....	107	1,183	60	134	42	47	855	Jy	1,321	Ja	488	821	803	12	6	6,869,598
41	Ink, writing.....	3	4	3	-----	-----	-----	1	Se ³	3	De ³	0	2	2	-----	-----	1,280
42	Iron and steel, steel works and rolling mills.....	23	24,988	-----	562	1,553	511	22,362	Ja	20,083	Oc	16,689	23,719	23,668	49	2	184,292,931
43	Iron and steel, bolts, nuts, washers, and rivets, not made in rolling mills.....	0	1,257	-----	46	41	20	1,150	Ja	1,401	Oc	830	842	629	208	4	5,073,066
44	Iron and steel forgings, not made in steel works or rolling mills.....	5	1,061	-----	35	34	20	972	Mh	1,119	Se	692	863	861	-----	2	4,167,067
45	Iron and steel, nails and spikes, cut and wrought, including wire nails, not made in steel works or rolling mills.....	3	286	3	12	6	7	253	Ja	292	Ap	239	266	223	43	-----	991,532
46	Iron and steel, tempering and welding.....	12	186	11	6	31	10	123	De	164	Ja	104	161	151	10	-----	1,000,083
47	Jewelry.....	9	103	7	9	2	9	76	Oc	89	Jy ³	71	79	63	16	-----	120,904
48	Knit goods.....	8	2,963	1	77	136	79	2,675	De	2,753	Jy	2,627	2,762	879	1,685	80	6,321,651
49	Lamps.....	6	257	2	13	3	15	224	De	270	Ja	206	270	144	126	-----	709,461
50	Leather goods, not elsewhere specified.....	6	183	1	16	21	16	129	De	157	My	107	157	94	68	-----	653,029
51	Leather, tanned, curried, and finished.....	9	442	2	28	9	7	395	Jy	414	Ap	358	338	336	2	-----	4,786,639
52	Lime.....	5	462	8	13	13	9	419	Oc	460	De	346	391	391	-----	-----	967,649
53	Liquors, malt.....	13	957	-----	83	92	23	759	Au	1,069	Fe ³	522	598	593	5	-----	8,903,517
54	Lithographing.....	3	61	4	4	1	6	46	Se	49	Ja	39	48	35	6	1	190,382
55	Looking-glass and picture frames.....	5	294	2	11	18	9	254	Au	281	Ja	205	249	195	49	4	501,934
56	Lumber and timber products.....	486	5,170	594	227	107	69	4,173	De	4,995	Ja	3,541	5,494	5,417	65	12	12,006,744
57	Lumber, planing-mill products, not including planing mills connected with sawmills.....	222	2,901	158	293	126	86	2,238	No	2,522	Ja	1,777	2,526	2,427	66	33	10,622,784
58	Machine tools.....	15	1,464	6	114	78	38	1,228	De	1,362	Mh	1,136	1,360	1,355	3	2	4,315,557
59	Marble and stone work.....	166	2,538	152	157	187	38	2,004	-----	-----	-----	-----	2,692	2,688	3	1	8,235,873
60	Monuments and tombstones.....	114	421	130	23	48	11	209	Au ³	220	Fe	184	-----	-----	1	-----	1,205,908
61	Other marble and stone work, except slate.....	52	2,117	22	134	139	27	1,795	Se	2,489	Fe	858	2,466	2,464	2	-----	7,029,865

¹ Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rent. ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.						
304,797	637,075	775,487	20,141	21,666	340,681	4,579,350	62,427	9,257,192	4,615,415	1,031	635	4		392	506	1
1,036,050	2,379,568	11,160,493	500	35,064	784,024	20,282,035	547,042	41,594,125	20,784,448	32,611	4,350	850	233	27,178	623	2
1,820		35,878	400	2,102	347	16,392	3,802	82,714	62,550	143				15	128	3
279,933	600,654	3,595,827		4,031	233,290	7,555,313	133,331	14,472,788	6,784,144	3,853	553		1,740		1,560	3
21,600	13,541	130,071		5,504	1,028	73,563	4,553	262,724	284,608	92					92	4
110,688	87,647	306,255		967	111,855	2,093,571	34,890	4,713,067	1,979,608	2,123	440		56		1,027	6
20,400	35,690	11,566		2,745	3,524	189,097	1,120	330,765	139,678	38					38	7
750,807	614,561	2,272,538	606,485	16,150	660,578	64,984,283	755,752	75,111,435	9,371,400	39,341	22,596	1,710	2,917	3,188	8,930	8
220,199	140,908	308,375	2,405	3,300	155,234	7,483,515	79,220	9,317,982	1,755,247	2,560	1,197	150	80		1,133	9
4,620	1,549	15,743		840	494	42,898	4,732	86,780	39,180	256	225		26		5	10
89,227	58,265	220,274	144	1,525	107,785	2,187,141	44,699	3,178,589	946,729	502	337	150	4		11	11
135,352	81,004	150,358	2,261	935	46,955	5,253,506	29,789	6,052,633	769,338	1,802	635		50		1,117	12
3,862,068	3,579,131	21,885,153	356,578	190,775	3,617,258	36,233,169	1,793,811	85,359,946	47,332,966	38,833	8,657		680		29,496	13
206,331	172,234	1,055,250	343	1,979	117,306	2,490,864	41,881	4,201,111	1,752,366	1,523	47		14		1,462	14
984,145	448,799	7,052,796	306,038	24,838	503,279	8,808,311	861,037	23,037,539	13,368,191	11,091	1,663		49		9,379	15
2,153,831	2,530,742	9,186,115	49,697	161,458	1,020,001	18,857,835	615,539	43,166,157	23,692,783	19,338	5,212		609		13,517	16
518,381	427,356	3,980,992		2,500	1,976,672	6,070,159	275,354	14,865,139	8,519,626	6,881	1,735		8		5,138	17
10,000	1,145	27,804	347	5,688	2,703	74,073	1,025	189,447	114,349	8					8	18
2,094,721	1,467,048	11,261,681	60,172	80,759	1,243,591	20,888,956	594,073	52,350,282	24,866,653	27,844	17,551	307	196		9,790	19
1,890,988	1,363,185	10,002,412	55,369	66,741	1,028,181	24,254,026	535,574	47,084,863	22,295,263	26,535	15,951	307	194		9,083	20
41,717	30,422	262,710		1,625	6,100	742,017	18,004	1,266,653	506,632	263	30				233	21
150,016	73,441	986,553	4,803	12,393	209,310	1,892,913	41,095	3,998,766	2,064,758	2,046	1,570		2		474	22
11,090	6,492	36,606		744	14,150	131,453	2,761	318,740	184,526	146					146	23
281,379	420,410	2,137,557	4,966	397,404	536,334	1,593,628	5,018,043	12,454,206	5,842,535	8,378	3,596	225	175		4,382	24
42,095	166,054	371,670		1,500	18,211	523,176	18,932	1,451,088	908,980	1,551					1,551	25
952,075	391,750	9,012,581	104,008	6,501	925,142	10,513,348	2,641,258	30,106,652	16,952,046	18,977	5,680	1,500	6,039		5,758	26
40,109	12,225	218,333	208	4,876	96,095	1,401,820	14,776	2,124,068	707,472	264			5		259	27
20,923	8,029	86,117		270	33,673	370,734	4,056	538,108	213,318	89	50				39	28
201,856	68,361	704,022		16,835	336,363	3,648,380	25,946	5,890,311	2,185,985	650			30		620	29
32,890	11,371	263,559		780	3,243	753,095	49,267	1,151,813	349,451	330	170				160	30
33,972	3,418	166,028	515	2,324	5,112	223,431	52,378	674,075	398,866	1,387	913	185	37		252	31
29,595	2,500	109,220	515	2,024	3,066	63,854	37,115	402,980	302,010	809	655		37		117	32
3,177	918	30,480		300	1,387	95,852	11,489	154,938	47,597	265	130				135	33
1,200		17,322			659	63,725	3,773	116,757	49,259	313	128	185			47	34
21,081	12,932	40,120		5,294	5,595	77,154	2,577	213,590	133,859	47					171	35
49,195	24,918	124,458	4,817	1,436	22,587	290,384	12,596	899,411	396,431	171					11	36
7,170	4,271	30,212		2,328	11	84,647	605	155,992	70,710	11						37
3,450		10,200	500	60	451	17,210	2,115	44,083	24,758	111	40		51		20	38
2,000	1,656	22,355	5,800	2,110	5,410	118,173	1,463	186,768	67,132	28					28	39
307,030	84,963	868,498	14,501	9,657	118,709	668,170	745,125	4,089,390	2,676,095	12,075	10,208	145	62		1,600	40
2,332,793	3,706,845	41,293,699	314	31,615	13,826,978	99,222,769	13,971,510	199,273,518	86,079,239	278,832	63,024	52,617	113,910		49,281	41
158,851	111,825	1,239,491		840	323,660	3,249,865	181,822	6,295,763	2,864,076	4,117	650				3,467	43
135,145	56,800	1,373,683	3,584		374,940	1,963,569	527,453	6,359,294	3,868,272	2,668	75	736			1,857	44
28,393	13,218	254,157	2,500		20,091	1,038,105	22,517	1,524,046	463,424	1,100	415				685	45
178,059	96,520	154,605	11,980	4,754	379,177	500,431	17,999	1,909,562	1,331,132	515					515	46
26,035	15,071	68,921	2,880	6,976	2,846	112,422	1,297	302,108	188,389	41					41	47
307,120	241,551	2,220,459		1,920	176,577	5,540,136	69,216	9,801,928	4,186,576	1,786	1,155			415	216	48
28,767	16,667	163,323		580	1,223	328,082	10,277	5,854,568	216,209	843	80			25	738	49
85,307	52,400	124,012	8,908	9,662	54,004	828,822	5,593	1,900,832	468,617	134					134	50
120,402	26,587	343,075		8,052	102,367	3,410,089	45,209	4,729,538	1,274,240	1,206	425				781	51
34,211	26,913	340,817	417		28,921	233,374	154,821	688,723	550,523	1,553	900		14		579	52
269,600	156,451	839,132	1,700	1,805	575,877	1,518,324	208,909	3,958,989	2,234,056	8,388	7,875				513	53
7,435	6,881	43,369	2,791	805	1,075	64,408	1,902	141,982	75,652	58					58	54
40,692	55,707	209,983		5,610	17,545	270,119	7,241	726,296	447,936	351	225				125	55
594,100	293,813	3,770,456	425,178	20,795	284,487	8,077,674	137,196	17,775,935	9,581,005	27,984	21,335	198	173	22	6,256	56
625,690	227,176	2,176,988	8,727	27,182	325,940	8,648,012	196,340	14,102,002	5,237,650	14,202	4,672	60	467	150	8,853	57
478,508	136,472	1,883,825	21,854	18,123	206,788	1,303,228	71,107	4,259,463	2,885,128	2,272	150				2,112	58
469,306	272,218	2,134,696	150,517	21,371	77,842	2,228,163	301,138	7,611,501	5,032,200	16,668	6,300	150	166		10,052	59
61,583	90,961	273,223	43,677													

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments.	PERSONS ENGAGED IN THE INDUSTRY.										WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Capital.
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.				Total.	16 and over.		Under 16.				
					Male.	Female.	Average number.	Number, 15th day of—		Male.		Female.	Male.	Female.				
								Maximum month.	Minimum month.									
1 Mattresses and spring beds, not elsewhere specified.	20	585	10	32	30	20	493	De	551	Mh	442	535	365	140	20	10	Dollars. 1,587,323	
2 Millinery and lace goods, not elsewhere specified.	7	151	4	5	1		141					136	12	119		5	68,577	
3 Trimmed hats and hat frames.	4	136	1	3	1		131	Fe	200	No	69	125	11	109		5	48,684	
4 All other.	3	15	3	2			10	My	16	Ja	6	11	1	10			19,893	
5 Mineral and soda waters.	122	645	120	55	24	23	423	Au	548	Ja	238	410	387	15	8		2,010,950	
6 Mineral and carbonated waters.	117	572	117	46	18	21	370	Oc	89	Ja	37	370	347	15	8		1,201,666	
7 Fruit and other beverages.	5	73	3	9	2	2	53	Oc	38	Fe	32	39	40				809,284	
8 Minerals and earths, ground or otherwise treated.	6	48	4	5	3	1	35					39	39				152,729	
9 Mirrors, framed and unframed, not elsewhere specified.	6	88	3	8	3	3	71	De	78	Ja	60	78	66	8	4		249,587	
10 Models and patterns, not including paper patterns.	34	302	45	16	4	6	231	Se	266	Mh	185	216	210	4	2		329,891	
11 Motorcycles, bicycles, and parts.	5	494	2	18	19	16	439	De	494	Au	367	496	494	2			1,512,873	
12 Mucilage, paste, and other adhesives, not elsewhere specified.	5	27	4	4	1	1	17	Oc	24	Je	12	20	19	1			194,218	
13 Musical instruments and materials, not specified.	14	1,499	9	24	47	82	1,337	Se	1,353	Ja	1,318	1,346	1,177	167	1	1	2,333,730	
14 Musical instruments, pianos.	8	1,591		34	84	41	1,432	De	1,783	Ja	1,160	1,727	1,466	239	18	4	4,873,370	
15 Oil, essential.	22	41	27	1			13	Se	47	De	0	49	49				57,095	
16 Oil, vegetable and animal.	3	29		7	2	4	16	Mh	17	Ja	14	16	16				170,798	
17 Optical goods.	16	407	7	28	10	26	336	De	375	Ja	288	455	374	65	11	5	762,406	
18 Paints.	17	293	4	37	63	31	158	Se	173	Fe	147	160	130	24			1,284,378	
19 Paper and wood pulp.	26	2,382	4	76	53	35	2,214	Oc	2,395	Ap	2,008	2,293	2,191	98	2	2	13,030,002	
20 Paper goods, not elsewhere specified.	6	342		15	6	10	311	De	379	Je	278	378	224	118	4	82	1,084,288	
21 Patent medicines and compounds.	83	749	53	83	109	84	420					616	153	340	1	17	1,700,093	
22 Patent and proprietary medicines.	63	631	43	61	78	70	379	De	463	Ap	324	470	123	329	1	17	1,525,523	
23 Patent and proprietary compounds, including compounds not elsewhere specified.	20	118	10	22	31	14	41	Au	57	De	31	46	35	11			234,570	
24 Paving materials.	30	440	35	25	14	7	359	Jy	488	Fe	193	487	487				1,488,477	
25 Perfumery and cosmetics.	10	60	6	8	3	1	48	Se	40	Je	47	50	15	22		13	118,210	
26 Phonographs and graphophones.	13	2,368	3	57	36	04	2,178	De	2,321	Ja	1,895	2,330	1,952	358	20		4,766,616	
27 Photographic materials.	4	38		7	2	5	24	De	20	Se	22	27	22	5			116,379	
28 Photo-engraving.	6	133	2	13	10	8	91	De	103	Ja	84	101	93	8			120,221	
29 Pickles, preserves, and sauces.	30	1,410	20	52	78	39	1,221	Se	2,589	My	694	1,395	760	632	3		4,151,223	
30 Plumbers' supplies, not elsewhere specified.	6	556		28	16	9	503	De	717	Ja	330	696	665	26	5		1,534,324	
31 Pottery.	8	843	4	35	35	22	747	De	810	Ja	695	814	702	98	12	2	2,556,661	
32 Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	16	227	10	16	13	20	168	No	226	Mh	132	189	145	44			804,324	
33 Printing and publishing, book and job.	278	4,005	260	233	212	259	3,041					3,197	2,075	933	101	88	7,979,717	
34 Job printing.	256	3,741	244	214	170	191	2,922	No	3,050	Ja	2,669	3,074	1,980	915	96	83	6,712,827	
35 Book publishing and printing.	12	140	3	14	41	61	27	No	32	Fe	23	25	10	8	2	5	2,919,023	
36 Linotype work and typesetting.	10	118	13	5	1	7	92	Oc	104	Ja	82	98	85	10	3		172,369	
37 Printing and publishing, music.	4	7	3	1			3	(c)	3	(c)	3	3	2	1			5,080	
38 Printing and publishing, newspapers and periodicals.	559	5,957	500	454	371	621	3,511					3,046	2,817	733	44	2	10,931,688	
39 Printing and publishing.	41	1,869	18	111	460	216	1,064	De	1,093	Ja	1,031	1,118	1,037	75	6		3,458,010	
40 Printing, publishing, and job printing.	445	3,868	459	289	361	317	2,442	Oc	2,501	Ja	2,360	2,523	1,777	706	38	2	7,189,829	
41 Publishing without printing.	73	220	23	54	50	88	5	(c)	5	(c)	5	5	3	2			233,849	
42 Pumps, not including power pumps.	11	2,504	13	193	338	265	1,195	De	1,509	Je	732	1,514	1,504	5	4	1	10,728,292	
43 Pumps, steam.	4	869	1	24	74	34	736	De	778	Je	680	778	758	20			2,919,023	
44 Roofing materials.	7	322	1	17	30	20	254	Oc	331	De	200	236	212	24			2,015,105	
45 Rubber tires, tubes, and rubber goods, not elsewhere specified.	15	3,730	1	174	449	189	2,917	No	3,187	Ja	2,626	2,868	2,441	424		3	25,182,334	
46 Saddlery and harness.	114	686	127	51	39	16	453	Ja	506	Jy	404	513	391	119	2	1	1,858,008	
47 Sand-lime brick.	3	45		6	1	1	37	Ap	53	Ja	16	35	35				190,883	
48 Scales and balances.	5	114		11	6	6	91	Oc	103	Ja	82	84	78	6			308,349	
49 Screws, machine.	3	38	2	1	1	2	32	Se	46	Ja	22	38	35	3			71,892	
50 Shirts.	14	2,100		48	17	44	1,991	No	2,159	Je	1,828	2,163	1,92	1,671	19	271	4,128,880	
51 Show cases.	3	142		14	7	6	115	No	145	Ja	95	128	117	11			344,975	
52 Signs and advertising novelties.	12	125	6	14	7	20	78	No	99	Ja	52	103	41	57	1	4	185,276	
53 Slaughtering and meat packing.	57	6,617	59	132	617	118	5,691	Ja	6,664	Au	5,291	5,550	5,045	446	47	12	28,564,709	
54 Smelting and refining, not from the ore.	4	837	3	25	31	21	267	Ja	277	De	233	233	226	7			2,944,594	
55 Soap.	10	663	1	27	83	12	540	Se	535	De	500	501	325	169	1	6	3,762,673	
56 Sporting and athletic goods.	5	290		13	25	18	234	De	299	Ja	180	300	127	147	17	9	465,134	
57 Stamped and enameled ware, not elsewhere specified.	7	1,475	3	22	33	40	1,377	Oc	1,467	Mh	1,307	1,353	928	392	10	23	2,925,025	
58 Stationery goods, not elsewhere specified.	7	301	4	25	25	20	227	Au	309	Fe	177	270	96	165	4	5	633,583	
59 Steam fittings and steam and hot-water heating apparatus.	9	623	2	26	35	19	541					766	735	30	1		1,735,331	
60 Radiators and cast-iron heating boilers.	5	412	2	11	25	11	363	De	538	Mh	250	538	537		1		1,230,894	
61 All other.	4	211		15	10	8	178	De	229	Oc	63	228	108	30			504,437	
62 Stereotyping and electrotyping.	4	108	1	9	6	3	89	De	93	Ja	84	93	86	2	5		170,776	
63 Stoves and hot-air furnaces.	25	1,938	5	103	162	57	1,656					1,802	1,779	19	3	1	5,329,903	
64 Stoves and ranges.	18	1,791	5	89	143	44	1,510	Oc	1,683	Ja	1,140	1,636	1,625	8	3		4,819,999	
65 Hot-air furnaces and fireless cookers.	7	197		19	19	13	146	No	175	My	123	166	154	11		1	509,904	

¹ Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					Electric horsepower generated in establishments reporting.
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.			Rent- ²	
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.			Water power.^{1}

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 141,338	Dollars. 65,606	Dollars. 383,642	Dollars. 7,878	Dollars. 14,412	Dollars. 42,008	Dollars. 1,424,282	Dollars. 21,922	Dollars. 2,487,263	Dollars. 1,041,059	905	120			191	594	1
10,522	1,000	80,047	3,827	7,107	765	256,092	607	440,545	183,756	26					26	2
6,050	1,000	82,814		5,400	677	239,777	420	398,709	153,512	22					22	3
3,872		6,833	3,827	1,707	88	16,815	277	46,836	30,244	4					4	4
115,928	46,521	406,571	3,478	10,725	161,174	1,636,672	73,835	3,008,799	1,385,292	1,729	1,070		10		649	5
83,070	33,651	355,724	3,478	18,858	132,000	1,493,382	55,587	2,726,587	1,177,599	926	370		10		546	6
32,858	12,870	50,547		867	20,084	143,290	18,243	370,231	208,668	803	700				103	7
16,569	3,594	32,583		321	7,369	47,527	5,798	131,666	78,341	503	278				225	8
39,412	2,558	63,907		5,380	6,618	429,405	6,225	607,978	232,348	161	71				90	9
37,622	10,383	385,912	663	13,754	3,334	160,302	7,152	784,559	617,105	374			33		341	10
89,215	46,500	511,618		2,628	110,802	1,801,625	35,439	2,958,160	1,131,049	805					805	11
5,488	1,402	16,079	210	1,350	874	52,311	8,647	78,139	17,181	242	216				26	12
80,064	83,836	1,228,834	313	2,935	105,250	1,057,950	43,319	3,148,410	2,047,141	825			20		805	13
203,638	224,249	1,578,020		187,659	3,293,660	82,377	6,978,030	3,501,993	2,184	1,715					409	14
1,000		15,635		5,431	20,623	4,729	179,288	153,936	39	10			4		25	15
20,446	5,899	16,273		430	10,472	162,278	2,766	208,355	133,311	85	20				15	16
81,003	29,731	206,211		24,755	35,907	463,103	9,693	1,211,880	739,084	230					230	17
77,304	116,317	135,878		27,736	46,559	1,627,729	12,967	2,419,500	778,804	731			8		723	18
208,835	144,741	2,238,632	1,020	623,689	8,106,856	1,407,310	15,120,059	5,605,893	25,485	20,607	2,921	42	350		1,565	19
35,100	15,970	336,204		460	108,212	2,337,125	51,304	3,362,010	973,581	1,838	800		800		238	20
293,601	197,814	327,920	19,472	25,805	180,777	1,366,529	16,827	4,481,247	3,007,891	469	140		10		319	21
235,841	128,963	289,347	19,304	20,284	170,420	1,173,748	11,827	3,974,926	2,789,351	219	100		4		115	22
57,220	68,851	38,573	168	5,611	10,357	192,781	6,000	506,321	308,540	250	40		6		204	23
64,232	24,678	327,005	2,550	13,094	10,173	202,480	100,242	902,718	599,066	8,533	5,337		170		3,026	24
22,398	4,206	21,621		8,872	2,404	168,550	963	207,405	127,902	18					18	25
305,633	87,677	1,757,676	2,076	3,391	217,951	3,920,077	83,458	7,977,495	3,997,960	2,807	1,550	150			1,077	26
19,620	5,841	22,354		3,084	1,323	75,473	1,357	179,710	102,880	32			6		26	27
38,352	20,344	130,790		7,411	6,794	45,185	3,688	307,908	319,035	101					101	28
172,342	174,997	892,696	498	19,177	128,030	5,730,475	73,045	8,924,581	3,121,061	1,602	1,222	11	50		319	29
63,372	20,439	528,150	505	100	12,182	1,026,000	50,219	1,034,769	857,590	1,568	997				571	30
105,291	71,048	881,217	250	6,314	177,116	621,508	156,462	2,024,121	1,846,151	711	505		5		201	31
39,671	23,700	146,790		5,176	14,872	2,057,154	7,690	2,482,105	417,261	232	158				74	32
651,554	461,040	2,790,208	360,204	174,074	136,939	4,119,008	102,028	10,741,232	6,520,196	3,167	810		54		2,303	33
601,226	362,110	2,651,011	114,042	170,456	129,596	4,070,967	94,647	9,927,337	5,761,723	3,108	810		54		2,244	34
42,408	93,824	10,408	828	5,492	5,492	12,356	2,570	567,466	552,540						552	35
7,920	5,106	128,789	200	2,700	1,851	35,685	4,811	246,429	205,933	59					59	36
900		2,778	7,131	1,662	18	410	66	17,298	16,822	2			2		17	37
1,110,505	1,477,048	3,718,805	839,240	175,457	344,108	5,475,746	212,089	19,184,687	13,490,852	6,178	69	5	406		5,698	38
375,979	733,345	1,388,140	40,207	58,147	184,220	2,358,747	67,532	7,023,659	5,197,380	2,066			3		2,003	39
631,172	606,016	2,325,705	108,642	104,977	155,852	2,066,943	143,785	10,255,417	7,114,689	4,170	69	5	403		3,693	40
103,354	137,687	4,900	690,391	12,333	4,027	120,056	772	1,305,611	1,184,783	2					2	41
620,594	1,736,416	1,399,932	150	2,970	285,702	2,388,892	72,094	10,105,589	7,704,003	3,832	200		4		3,628	42
195,102	136,022	975,547		4,910	231,939	1,042,858	93,127	3,287,442	2,151,457	1,145	650				495	43
62,823	98,495	297,819	3,228	444	60,522	1,556,701	127,932	2,765,959	1,074,326	1,379	240	750			386	44
535,300	796,785	3,017,677		4,565	475,057	11,600,824	415,952	20,883,008	8,800,892	11,696	3,855	2,125		600	5,116	45
115,683	70,737	440,219	472	47,713	38,107	1,409,986	22,965	2,520,166	1,087,215	605	62		33		510	46
12,222	1,626	46,407		900	1,126	41,754	11,505	141,759	85,500	517	517				70	47
21,865	13,616	93,404		455	2,568	82,919	5,453	309,601	220,189	70					77	48
1,400	1,088	32,959	604	12,761	53	38,794	2,725	99,555	58,036	95			18		67	49
126,939	70,246	1,072,575		115,111	6,393,037	30,397	8,906,333	2,542,899	1,382	1,325					288	50
38,120	11,576	85,476		1,200	10,886	345,241	13,554	676,433	217,638	31					31	51
78,157	15,438	54,139	15,044	4,422	2,077	150,827	1,592	371,625	215,008	91					215	52
590,882	923,409	5,470,261	8,077	25,208	647,568	121,003,678	686,316	134,028,726	12,339,032	11,395	6,676	2,038	13		2,668	53
144,496	89,054	434,500		151,544	3,325,608	84,628	4,599,444	1,489,208	915						610	54
79,939	160,954	532,091	8,672	4,258	352,657	3,016,713	53,888	5,678,183	2,607,582	1,247	174				1,073	55
33,437	38,383	176,638		3,945	20,967	355,955	5,690	511,394	146,740	183					83	56
94,920	82,844	1,332,301			379,799	1,865,021	106,556	5,248,283	3,273,411	2,202	1,100				1,102	57
66,733	39,400	150,412		7,542	67,792	769,367	5,423	1,279,264	504,474	205					205	58
77,552	54,194	650,278		1,720	30,582	1,105,328	88,355	2,320,647	1,135,864	750	360		9		381	59
29,888	35,865	440,469		300	9,415	764,672	59,304	1,547,024	724,048	265	210		9		46	60
47,664	18,329	218,809		1,420	21,167	340,756	29,051	781,623	411,816	485	160				335	61
25,493	9,609	93,672		4,320	2,422	99,478	8,471	288,908	180,959	281					281	62
338,785	528,739	2,076,645	8,631	17,413	152,439	3,053,642	128,447	7,761,870	4,579,781	2,880	375		22		2,483	63
291,591	420,770	1,915,786	7,331	12,503	144,816	2,579,951	122,694	6,809,092	4,106,457	2,709	375		22		2,102	64
47,194	108,109	159,859	1,300	4,910	7,623	473,691	5,763	652,778	478,324	171					171	65

* Same number reported for one or more other months.

* None reported for one or more other months.

* Same number reported throughout the year.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

																		Dollars.
1	Structural ironwork, not made in steel works or rolling mills.	23	2,499	9	116	288	71	2,015	Ja	2,736	Oc	1,338	1,886	1,884	2			6,314,307
2	Surgical appliances.	5	52	4	2	7	11	28	(*)	28	(*)	28	29	19	10			35,092
3	Tobacco, chewing and smoking, and snuff.	14	74	17	4	4		49					53	26	27			101,196
4	Plug or chewing.	4	35	5	1	3		26	De	30	Au	22	29	12	17			61,594
5	Smoking and snuff.	10	39	12	3	1		23	No	26	Jy	22	24	14	10			39,602
6	Tobacco, cigars.	252	4,594	270	100	54	16	4,154	De	4,903	Ap	3,787	4,923	882	4,036	5		16,228,300
7	Tools, not elsewhere specified.	26	545	21	33	17	15	459					503	486	10	7		1,640,944
8	Machinists' tools.	13	194	10	18	8	5	153	De	193	Mh	115	206	203	2	1		320,203
9	All other.	13	351	11	15	9	10	306	No	360	My	252	297	283	8	6		1,311,736
10	Toys and games.	9	497	7	23	7	3	457	Ja	492	Ap	405	456	272	53	123	8	494,798
11	Trunks and valises.	8	466	8	12	8	11	427	No	466	Ja	323	446	304	82			1,262,519
12	Varnishes.	6	205	1	31	50	24	99	De	120	Ja	60	124	114	10			1,291,853
13	Vinegar and cider.	3	18	2	3	2		11	Je	12	Se	10	14	11	3			109,828
14	Wall plaster and composition flooring.	6	19	1	4			14	Au	16	De	13	16	16				43,868
15	Washing machines and clothes wringers.	3	134		9	7	6	112	De	133	Ja	91	133	133				448,269
16	Windmills.	4	494	1	22	49	20	402	De	442	Je	382	484	433		1		1,971,042
17	Window and door screens and weather strips.	12	34	13				21	Je	28	De	16	24	24				58,425
18	Window shades and fixtures.	3	43	3		1	2	37	Se	52	Ja	25	43	16	27			149,278
19	Wirework, not elsewhere specified.	21	769	14	40	30	53	632	Ap	384	No	220	604	531	62	7	4	1,023,178
20	Woven-wire fencing.	7	384	2	25	21	35	301	Ap	384	No	220	240	230	7			830,369
21	All other.	14	385	12	15	9	13	331	Au	360	My	292	358	202	55	7	4	783,809
22	Wood preserving.	5	227		15	29	6	177	No	211	Ja	117	166	166				1,222,671
23	Wood, turned and carved.	31	937	18	51	21	25	822	Fe	855	Se	781	836	747	84	5		1,584,296
24	Wooden goods, not elsewhere specified.	13	439	10	25	16	14	374	Fe	396	No	343	411	336	74	1		661,008
25	Woolen goods.	11	1,006	8	19	24	7	948	De	1,005	Fe	838	1,006	481	505	9	11	3,120,611
26	All other industries*	168	27,714	68	1,004	1,810	1,080	23,757										225,832,255

*All other industries embrace—
 Airplanes, seaplanes, and airships, and parts. 1
 Aluminum manufactures, ingots. 1
 Ammunition. 2
 Artificial flowers. 1
 Artists' materials, crayons. 1
 Asbestos products, not including steam packing. 2
 Babbitt and white metal. 1
 Bags, other than paper, not including bags made in textile mills. 2
 Bags, paper, exclusive of those made in paper mills. 2

Baking powders. 4
 Belting, woven. 2
 Belting, leather. 3
 Blacking, stains, and dressings. 3
 Bluing. 3
 Boots and shoes, rubber. 1
 Brushes. 3
 Candles. 1
 Cardboard, not made in paper mills. 1
 Charcoal, not including production in the lumber and wood distillation industries. 1
 Cheese. 2
 Chewing gum. 1

China decorating, not including that done in potteries. 1
 Coal-tar products. 1
 Coke, not including gas-house coke. 5
 Cordage and twine. 1
 Corsets. 2
 Crucibles, glass house pots, etc. 1
 Dyeing and finishing textiles, exclusive of that done in textile mills. 2
 Emery and other abrasive wheels. 2
 Enameling. 1
 Engraving, wood. 4
 Envelopes. 1
 Explosives. 2

Fancy articles, not elsewhere specified. 2
 Feathers and plumes. 1
 Files. 3
 Fireworks. 2
 Flax and hemp, dressed. 1
 Foundry supplies. 2
 Fuel, manufactured. 2
 Furnishing goods, men's. 2
 Furs, dressed. 2
 Galvanizing. 1
 Glucose and starch. 3
 Hair work. 1
 Hardware, saddlery. 2
 Hats, straw. 1

¹ Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		Rent-^{1}

THE STATE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars. 428,893	Dollars. 500,927	Dollars. 2,898,831	Dollars. 22,408	Dollars. 3,484	Dollars. 510,318	Dollars. 7,542,865	Dollars. 307,569	Dollars. 14,449,966	Dollars. 6,600,032	21,152	1,214	100	19,838	855	1
4,151	23,913	14,910	908	2,308	4,952	23,807	956	135,489	110,726	27	8	5	27	8	2
5,100	4,042	36,380	.....	1,205	45,375	138,406	918	279,369	140,045	21	.....	.....	8	.....	3
1,600	3,142	10,741	.....	84	17,608	95,102	514	164,880	69,264	13	8	5	.....	.....	4
3,500	1,500	16,689	.....	1,121	27,707	43,304	404	114,489	70,781	8	.....	.....	8	.....	5
166,170	182,104	2,467,219	832	48,785	1,216,299	4,953,343	25,501	10,065,943	5,087,099	556	300	6	250	150	6
64,179	34,601	407,206	21,996	9,739	60,647	679,224	39,090	3,901,906	3,133,592	1,082	530	57	475	.....	7
20,589	11,126	134,047	16,383	8,286	1,971	78,045	7,283	437,901	402,570	153	.....	.....	153	.....	8
34,590	23,475	313,219	5,013	1,453	58,676	601,179	31,804	3,414,005	2,781,022	909	530	57	322	.....	9
38,070	6,010	283,580	520	1,332	9,682	367,134	4,624	860,509	488,751	437	250	15	172	20	10
35,151	39,550	416,582	.....	3,471	22,883	715,043	17,753	1,343,231	614,835	310	105	.....	205	2	11
104,958	132,691	90,177	.....	120	22,811	1,147,765	11,907	1,895,523	735,851	213	85	.....	128	.....	12
6,107	3,294	7,345	.....	120	1,250	60,851	401	104,017	36,765	33	20	.....	13	.....	13
2,996	.....	13,500	.....	270	596	24,150	1,535	49,773	24,038	216	125	.....	91	.....	14
39,059	9,753	120,400	.....	.....	2,396	521,902	5,400	880,967	353,665	387	35	25	327	.....	15
76,885	96,145	388,005	.....	.....	49,449	856,026	80,018	1,556,315	670,271	1,885	920	85	850	30	16
.....	.....	23,425	.....	255	647	38,656	838	82,700	43,206	75	.....	39	36	480	17
.....	2,510	14,417	.....	60	282	144,033	1,246	188,758	43,479	16	.....	14	2	4	18
173,985	83,387	500,781	61,407	4,583	58,132	2,633,018	36,279	4,209,267	1,539,970	1,462	225	69	1,168	46	19
91,421	47,493	315,208	.....	500	45,324	1,754,383	19,920	2,583,416	809,133	761	.....	35	726	.....	20
82,504	35,894	254,513	61,407	4,083	12,808	878,655	10,359	1,625,851	730,827	701	225	34	442	46	21
46,036	23,506	211,304	.....	1,878	20,080	1,164,500	48,666	1,783,912	570,746	760	760	.....	170	.....	22
132,138	57,309	650,994	1,226	4,721	24,898	1,772,743	10,324	3,048,772	1,265,705	2,628	2,395	19	214	10	23
63,500	35,188	322,703	.....	2,158	9,445	690,006	17,894	1,258,909	650,929	890	540	6	344	.....	24
116,493	113,200	725,120	.....	480	100,552	3,248,027	71,956	4,542,067	1,222,084	1,860	1,400	.....	200	260	25
3,635,326	3,804,726	31,518,581	153,777	56,937	22,900,036	181,085,390	44,708,524	326,928,097	101,074,183	175,775	35,925	54,855	58,291	1,250	100,526

Instruments, professional and scientific..... 4
 Iron and steel, blast furnaces..... 3
 Iron and steel, cast-iron pipe..... 1
 Iron and steel, doors and shutters..... 2
 Iron and steel, wrought pipe..... 2
 Lard, prime, not made in slaughtering and meat-packing establishments..... 1
 Liquors, distilled, grain alcohol..... 1
 Matches..... 1
 Musical instruments, piano materials..... 2
 Oilcloth and linoleum, floor..... 1
 Ordnance and accessories..... 1
 Petroleum, refining..... 3

Photographic apparatus..... 1
 Plated ware, knives, forks, spoons, and flatware..... 1
 Printing materials..... 1
 Pulp goods..... 2
 Refrigerators..... 3
 Regalia, and society badges and emblems..... 1
 Safes..... 1
 Sausage, not made in slaughtering and meat-packing establishments..... 2
 Saws..... 2
 Sewing-machine cases..... 2
 Shipbuilding, steel, repair work only.. 2

Shipbuilding, wooden, including boat-building..... 5
 Smelting and refining, lead..... 2
 Smelting and refining, zinc..... 2
 Springs, steel, automobile, not made in steel works or rolling mills..... 3
 Statuary and art goods..... 1
 Steam packing..... 3
 Steel barrels, drums, and tanks, portable..... 2
 Stoves, gas and oil..... 2
 Sugar, beet..... 1
 Textile machinery and parts..... 2
 Tin plate and terneplate..... 2

Tinware, not elsewhere specified..... 2
 Typewriters and supplies..... 2
 Umbrellas and canes..... 1
 Upholstering materials, excelsior, and curled hair..... 4
 Vault lights and ventilators..... 1
 Wall paper, not made in paper mills..... 2
 Waste..... 1
 Watches..... 1
 Wire..... 2
 Woolpulling..... 1

¹ Same number reported throughout the year.

¹ Same number reported for one or more other months.

MANUFACTURES—INDIANA.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY:	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.	Female.		
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

1	EVANSVILLE—All industries.	299	14,452	194	596	731	405	12,526	No	13305	Ap	11915	13,280	9,085	4,006	64	65	Dollars.
2	Agricultural implements.....	4	318	29	26	8	255	No	268	My	234	257	256	1	.....	.....	.....	1,692,540
3	Automobile repairing.....	12	49	16	1	2	30	My	33	No	28	31	31	.....	.....	.....	.....	29,498
4	Bread and other bakery products.....	24	202	27	9	37	5	124	De	139	Fe	108	140	124	14	2	.....	500,678
5	Carriage and wagon materials.....	4	211	6	2	6	197	No	218	Ap	169	216	215	1	.....	.....	.....	539,065
6	Clothing, men's and youths'.....	5	288	1	9	17	11	250	De	278	Mh	219	278	26	245	7	.....	617,802
7	Coffee, roasting and grinding.....	5	24	3	2	5	3	11	De	12	Se	10	12	7	5	.....	.....	125,360
8	Confectionery and ice cream.....	9	44	10	3	4	27	.....	.....	.....	.....	37	25	12	.....	.....	.....	60,260
9	Confectionery.....	6	29	7	2	4	16	Oc	20	Ja	13	19	10	9	.....	.....	.....	37,064
10	Ice cream.....	3	15	3	1	.....	11	Au	19	De	6	18	15	3	.....	.....	.....	23,196
11	Copper, tin, and sheet-iron work.....	14	67	11	4	1	51	De	59	Ja	38	60	59	.....	.....	1	.....	70,945
12	Electroplating.....	3	18	3	.....	.....	15	De	17	Jy	14	17	17	.....	.....	.....	.....	7,565
13	Flour-mill and gristmill products.....	7	349	4	20	15	41	209	Oc	310	Mh	234	285	279	6	.....	.....	3,222,515
14	Foundry and machine-shop products.....	8	171	5	15	4	2	145	No	185	Mh	123	172	172	.....	.....	.....	395,667
15	Furniture.....	24	2,472	2	101	108	34	2,227	De	2,350	Mh	1,999	2,350	2,232	117	1	.....	0,179,641
16	Lumber, planing-mill products, not including planing mills connected with sawmills.....	7	178	1	25	15	3	134	Je	148	Ja	99	147	142	1	4	.....	745,555
17	Marble and stone work, except slate.....	5	70	2	6	14	5	43	Ja	53	Ja	32	49	49	.....	.....	.....	172,037
18	Mineral and carbonated waters.....	6	45	1	6	2	3	33	Jy	44	Ja	25	31	31	.....	.....	.....	90,524
19	Printing and publishing, job printing.....	11	162	5	14	7	6	130	Oc	138	Fe	121	138	101	33	3	1	305,078
20	Printing and publishing, newspapers and periodicals.....	5	233	2	16	42	30	137	De	144	Ja	128	139	130	9	.....	.....	425,545
21	Saddlery and harness.....	7	94	7	10	6	1	70	De	77	Ja	63	78	51	27	.....	.....	158,716
22	Stoves and ranges.....	4	421	18	20	6	309	Oc	385	Ja	335	382	382	219	2,839	.....	.....	1,114,203
23	Tobacco, cigars.....	22	2,770	24	47	31	7	2,601	De	3,058	Jy	2,402	3,058	219	2,839	.....	.....	4,041,097
24	All other industries *.....	113	6,266	70	255	370	223	5,348	.....	.....	.....	.....	5,403	4,637	756	53	57	26,173,733

*All other industries embrace—

Artificial stone products.....	2	Butter.....	3	Coffins, burial cases, and undertakers' goods.....	1	Emery and other abrasive wheels... 1
Automobile bodies and parts.....	3	Carpets, rag.....	1	Cooperage, hogsheds and barrels... 3	1	Enameling..... 1
Awnings, tents, and sails.....	1	Carriages and wagons, including repairs.....	6	Cotton goods.....	3	Engines, steam, gas, and water... 3
Belted, leather.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	1	Cutlery and edge tools, axes and hatchets.....	1	Engraving, steel and copper plate, including plate printing..... 1
Bluing.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	2	Druggists' preparations.....	1	Flavoring extracts..... 2
Boxes, cigar.....	2	.....	.....	Electrical machinery, apparatus, and supplies.....	2	Food preparations, not elsewhere specified..... 4
Boxes, set-up paper boxes.....	1	.....	.....	.....	.....	.....
Boxes, wooden packing, except cigar boxes.....	2	.....	.....	.....	.....	.....
Brass and bronze products.....	2	.....	.....	.....	.....	.....
Brooms, from broom corn.....	4	.....	.....	.....	.....	.....

1	FORT WAYNE—All industries.	247	20,462	204	616	2,220	1,078	16,344	Do	18,608	Ja	15,163	17,948	13,326	4,257	162	203	55,302,631
2	Automobile bodies and parts.....	6	37	5	2	1	.....	29	Jy	32	Ja	25	80	26	4	.....	.....	100,110
3	Automobile repairing.....	3	16	3	.....	.....	1	12	De	12	No	11	12	12	.....	.....	.....	10,424
4	Bread and other bakery products.....	26	659	24	59	65	24	507	No	543	Mh	470	537	363	155	9	10	1,104,889
5	Clothing, women's.....	6	405	2	15	23	14	351	My	362	Au	337	357	16	841	.....	.....	312,693
6	Confectionery and ice cream.....	9	132	10	9	18	7	138	Oc	149	Mh	123	153	66	79	.....	8	404,811
7	Copper, tin, and sheet-iron work.....	11	75	15	7	2	1	50	Se	60	Fe	42	59	59	.....	.....	.....	98,874
8	Foundry and machine-shop products.....	18	984	10	43	50	13	863	Ja	1,027	Au	718	886	882	4	.....	.....	3,438,576
9	Ice, manufactured.....	3	46	2	6	3	2	33	Jy	69	Ja	15	25	25	.....	.....	.....	163,752
10	Lumber and timber products.....	4	132	4	7	7	3	111	No	132	Ja	84	130	130	.....	.....	.....	877,338
11	Lumber, planing-mill products, not including planing mills connected with sawmills.....	9	102	11	6	1	2	82	De	91	Ja	71	91	91	.....	.....	.....	244,447
12	Marble and stone work.....	8	43	13	3	.....	.....	27	(O)	6	(O)	6	35	35	.....	.....	.....	36,283
13	Monuments and tombstones.....	4	14	8	.....	.....	.....	6	Oc	31	Fe	3	29	29	.....	.....	.....	14,160
14	Other marble and stone work, except slate.....	4	29	5	3	.....	.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	22,123
15	Mineral and soda waters.....	5	31	6	1	.....	1	23	Au	27	Fe	19	23	20	.....	3	.....	45,208
16	Optical goods.....	3	32	1	4	5	7	21	De	22	Oc	20	22	17	5	.....	.....	32,315
17	Patent medicines and compounds.....	8	128	7	6	5	9	101	De	126	Ap	70	126	24	90	.....	12	210,458
18	Printing and publishing, book and job.....	10	350	15	23	28	80	254	.....	.....	.....	.....	279	185	84	8	2	571,344
19	Job printing.....	13	323	9	19	24	27	244	De	266	Ap	220	266	173	84	7	2	540,391
20	Book publishing, linotype work.....	3	27	6	4	4	3	10	De	13	Ja	7	13	12	.....	1	.....	30,953
21	Tobacco, cigars.....	26	184	27	5	3	1	148	No	179	Ap	66	176	149	27	.....	.....	209,458
22	All other industries *.....	86	17,056	49	440	2,009	969	13,589	.....	.....	.....	.....	15,006	11,225	3,468	142	171	47,635,971

*All other industries embrace—

Artificial stone products.....	2	Brass and bronze products.....	1	Clothing, men's.....	2	Flour-mill and gristmill products.....	2
Awnings, tents, and sails.....	2	Brooms, from broom corn.....	1	Coffee, roasting and grinding.....	3	Fur goods.....	4
Bags, paper, exclusive of those made in paper mills.....	1	Butter.....	3	Condensed milk.....	1	Furniture, store and office fixtures.....	1
Belted, leather.....	1	Carpets, rag.....	1	Druggists' preparations.....	1	Gas, illuminating and heating.....	1
Boxes, cigar.....	1	Cars and general shop construction and repairs by electric-railroad companies.....	1	Electrical machinery, apparatus, and supplies.....	4	Gas machines.....	1
Boxes, paper and other, not elsewhere specified.....	2	Cars and general shop construction and repairs by steam-railroad companies.....	3	Engraving, steel and copper plate, including plate printing.....	1	Glass, cutting, staining, and ornamenting.....	2
.....	.....	Cleaning and polishing preparations.....	1	Flavoring extracts.....	1	Gloves and mittens, leather.....	1

1 Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

3 Excludes Gary, to avoid disclosure of individual operations.

MANUFACTURES—INDIANA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.						
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				Electric horsepower generated in establishments reporting.	
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		Rent- ed. ²

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES.

Dollars. 1,803,686	Dollars. 1,353,900	Dollars. 10,707,687	Dollars. 20,788	Dollars. 91,418	Dollars. 2,409,257	Dollars. 43,138,706	Dollars. 1,010,086	Dollars. 70,230,410	Dollars. 26,081,627	25,007	15,052	297	23	.....	9,635	3,564	1
99,450	43,555	257,070	5,000	2,000	31,992	544,952	49,780	1,520,534	925,802	737	870	.....	.....	.....	387	.....	2
1,500	1,400	31,299	.....	5,235	493	17,207	1,524	74,362	55,031	54	.....	.....	.....	.....	54	.....	3
24,337	37,524	135,431	.....	5,390	7,293	72,444	20,392	1,130,527	894,091	222	.....	.....	.....	.....	222	.....	4
26,359	8,018	169,658	.....	44	20,774	704,700	13,987	1,115,037	996,350	1,085	275	.....	.....	.....	813	.....	5
28,715	65,577	111,548	.....	7,500	35,766	527,242	3,965	330,593	399,458	74	.....	.....	.....	.....	74	.....	6
2,800	0,728	8,722	.....	1,380	918	254,082	1,326	310,797	54,909	79	25	.....	.....	.....	54	.....	7
3,440	2,573	18,585	.....	3,762	3,523	77,680	1,408	145,466	68,420	19	.....	.....	.....	.....	19	.....	8
2,940	2,873	9,155	.....	3,162	991	57,773	959	91,077	38,345	12	.....	.....	.....	.....	12	.....	9
500	.....	9,430	.....	2,532	25,807	.....	507	54,389	28,075	0	.....	.....	.....	.....	0	.....	10
6,921	1,112	57,233	.....	2,745	783	65,746	664	169,322	102,912	45	.....	.....	.....	.....	45	.....	11
.....	.....	13,923	.....	912	101	7,169	810	25,738	17,759	.....	.....	.....	.....	.....	.....	.....	12
78,675	50,554	263,904	.....	.....	86,610	9,475,169	68,278	10,514,518	971,071	2,106	1,941	125	.....	.....	45	.....	13
31,722	5,038	105,903	.....	1,732	13,006	177,723	10,713	463,827	275,391	293	155	.....	.....	.....	40	378	12
313,817	246,306	1,879,461	.....	3,625	292,149	4,024,233	67,576	8,605,189	4,513,350	4,758	3,685	22	1	.....	137	.....	14
45,405	16,876	94,828	4,200	190	8,229	428,538	13,276	739,412	297,598	925	325	.....	.....	.....	1,051	287	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	600	.....	16
15,237	33,632	48,203	2,470	.....	2,604	124,541	3,461	341,261	213,259	181	.....	.....	.....	.....	181	.....	17
11,050	4,207	34,443	.....	1,560	20,470	211,644	1,703	357,401	144,054	58	.....	.....	.....	.....	58	.....	18
31,267	10,589	111,754	.....	4,725	6,145	151,682	6,829	418,841	260,330	117	.....	.....	.....	.....	117	.....	19
63,000	72,212	170,557	2,050	3,889	29,740	179,086	11,259	789,802	599,457	231	.....	.....	.....	.....	231	.....	20
15,360	11,098	59,262	.....	4,860	1,693	211,244	2,131	350,946	137,571	47	.....	.....	.....	.....	47	.....	21
57,739	50,903	438,198	.....	.....	42,664	451,731	35,756	1,540,177	1,052,690	624	225	.....	.....	.....	369	.....	22
87,698	123,989	1,449,422	118	13,517	750,369	3,253,908	11,142	6,267,601	3,002,451	478	300	.....	.....	.....	178	150	23
859,114	546,609	5,138,283	6,950	28,352	1,053,335	21,529,105	683,548	34,413,068	12,200,415	12,862	7,751	150	22	.....	4,939	2,749	24

Gas, illuminating and heating.....	1	Lumber and timber products.....	2	Paper and wood pulp.....	1	Signs and advertising novelties.....	1
Glass.....	1	Mattresses and spring beds, not elsewhere specified.....	5	Patent and proprietary medicines.....	5	Slaughtering and meat packing.....	4
Hand stamps.....	1	Millinery and lace goods, trimmed hats and hat frames.....	1	Perfumery and cosmetics.....	2	Stamped ware, not elsewhere specified.....	2
Hardware, piano and organ.....	1	Mirrors, framed and unframed, not elsewhere specified.....	1	Pickles and sauces.....	2	Stamens and art goods.....	1
Hardware, saddlery.....	1	Models and patterns, not including paper patterns.....	2	Plumbers' supplies, not elsewhere specified.....	2	Structural ironwork, not made in steel works or rolling mills.....	3
House-furnishing goods, mops and dusters.....	2	Paints.....	2	Potters, chinaware.....	2	Tobacco, chewing and smoking.....	5
Ice, manufactured.....	2			Pumps, not including power pumps.....	1	Trunks and valises.....	1
Ink, writing.....	1			Shipbuilding, wooden, including boat building.....	1	Vinegar.....	1
Lamps.....	1					Wood preserving.....	1
Liquors, malt.....	2						

2,801,969	4,357,876	17,434,805	70,938	156,935	1,600,095	36,495,441	1,413,054	76,713,262	38,804,767	43,431	10,488	400	40	.....	32,503	2,884	1
2,840	2,100	35,190	.....	3,096	610	45,625	1,168	115,217	68,424	21	.....	.....	.....	.....	21	.....	2
.....	900	15,939	.....	2,040	66	19,730	538	45,782	28,516	9	.....	.....	.....	.....	6	.....	3
52,870	147,129	498,240	17,105	20,071	120,850	2,060,358	49,522	3,892,040	1,749,160	784	80	.....	.....	.....	684	.....	4
45,966	70,208	150,169	2,513	5,705	4,965	444,417	3,089	892,409	355,903	53	.....	.....	.....	.....	53	.....	5
47,725	53,394	97,329	.....	10,585	55,859	576,422	9,244	899,256	310,590	225	100	.....	.....	.....	125	.....	6
9,624	2,566	32,027	.....	4,564	1,599	147,938	56,973	285,475	134,564	20	.....	.....	.....	.....	20	.....	7
125,561	80,365	939,553	1,117	7,470	323,647	1,282,977	56,491	3,963,115	2,623,947	1,657	250	.....	.....	.....	1,407	.....	8
12,840	6,120	34,368	1,573	43	3,256	24,177	27,979	201,372	149,216	580	550	.....	.....	.....	30	.....	9
37,100	10,347	98,329	.....	6,084	5,311	295,855	11,378	523,506	216,573	968	100	.....	.....	.....	898	.....	10
15,190	3,230	37,146	.....	2,500	3,958	330,165	8,314	505,428	160,949	793	150	.....	.....	.....	943	.....	11
4,950	.....	33,497	750	3,924	407	35,779	1,213	116,528	79,836	108	.....	.....	.....	.....	108	.....	12
.....	.....	8,536	750	504	156	13,156	341	32,261	18,764	13	.....	.....	.....	.....	13	.....	13
4,950	.....	24,961	.....	3,420	251	22,623	872	54,567	61,072	95	.....	.....	.....	.....	95	.....	14
1,140	420	24,602	.....	1,020	11,020	73,337	1,461	146,252	71,454	56	25	.....	.....	.....	31	.....	15
10,780	7,420	24,659	.....	4,064	684	22,754	501	97,274	74,019	7	.....	.....	.....	.....	7	.....	16
90,966	11,043	102,009	.....	6,476	16,170	288,120	2,589	933,599	641,890	55	.....	.....	.....	.....	55	.....	17
50,644	32,534	235,457	22,922	15,521	9,561	355,264	8,004	805,375	506,557	178	.....	.....	.....	.....	178	.....	18
46,380	28,667	263,165	21,104	14,799	9,507	351,928	8,262	832,244	472,054	175	.....	.....	.....	.....	175	.....	19
4,264	3,867	17,262	1,818	722	54	1,326	702	38,631	34,003	3	.....	.....	.....	.....	3	.....	20
0,939	4,854	152,651	.....	6,826	43,793	200,438	1,769	495,131	292,924	6	.....	.....	.....	.....	6	.....	21
2,343,884	3,910,256	14,717,560	24,958	56,341	993,839	30,278,395	1,227,863	62,852,403	31,346,145	37,881	9,230	400	.....	.....	23,251	2,883	22

Gloves and mittens, cloth, not including gloves made in textile mills.....	3	Mattresses and spring beds, not elsewhere specified.....	1	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	1	Slaughtering and meat packing.....	3
Grease and tallow, not including lubricating greases.....	1	Models and patterns, not including paper patterns.....	1	Printing and publishing, newspapers and periodicals.....	4	Soap.....	1
Hand stamps.....	1	Musical instruments, pianos.....	1	Pumps, not including power pumps.....	3	Stoves and ranges.....	1
Iron and steel, steel works and rolling mills.....	1	Paints.....	1	Pumps, steam.....	1	Vinegar.....	1
Knit goods.....	3	Pickles and sauces.....	1	Saddlery and harness.....	4	Washing machines and clothes wringers.....	1
Liquors, malt.....	2	Plumbers' supplies, not elsewhere specified.....	1	Shipbuilding, steel, repair work only.....	1	Window and door screens and weather strips.....	2
						Wood, turned and carved.....	1

¹ Same number reported for one or more other months.

² Same number reported throughout the year.

MANUFACTURES—INDIANA.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	INDIANAPOLIS—All industries	1,004	61,006	600	2,772	4,843	2,814	49,977	De 55,310	Mh 45,288	54,012	44,513	9,982	245	172	Dollars. 207,544,404
2	Artificial stone products.....	12	93	7	18	5	4	59	Au 120	Fe 28	49	49	.....	.....	.....	251,288
3	Automobile bodies and parts.....	40	3,122	25	144	151	131	2,741	Oc 3,145	Fe 1,080	3,350	2,957	391	2	.....	9,458,688
4	Automobiles.....	7	6,600	.....	70	448	230	5,843	De 7,777	Fe 4,895	7,656	6,994	692	.....	.....	32,732,544
5	Automobile repairing.....	10	121	5	13	4	3	96	Mh 109	Ja 86	94	92	2	.....	.....	83,988
6	Awnings, tents, and sails.....	6	63	6	6	4	4	43	Jy 85	Fe 24	40	21	10	.....	.....	175,356
7	Bookbinding and blank-book making.....	11	75	8	9	.....	1	57	Oc 64	Mh 52	62	33	26	1	2	97,524
8	Boxes, paper and other, not elsewhere specified.....	4	377	.....	25	18	17	319	De 355	Fe 302	309	101	201	.....	7	748,652
9	Boxes, wooden packing, except cigar boxes.....	7	174	5	10	1	3	155	No 178	My 124	166	138	20	8	.....	323,995
10	Brass, bronze, and copper products.....	8	301	3	22	12	4	350	De 437	Fe 286	451	447	3	1	.....	508,317
11	Bread and other bakery products.....	88	1,493	92	58	176	67	1,100	De 1,166	Fe 1,048	1,171	750	409	12	.....	3,468,770
12	Brooms.....	6	143	3	12	3	6	119	No 142	Ap 97	138	99	39	.....	.....	235,259
13	Butter.....	6	297	.....	25	21	32	219	Je 269	Ja 161	222	136	86	.....	.....	677,538
14	Carpets, rag.....	4	43	8	2	2	2	29	My 39	Ja 12	33	14	19	.....	.....	53,527
15	Carriages and wagons, including repairs.....	3	76	1	7	.....	3	65	Jy 72	Ja 57	68	68	.....	.....	.....	79,568
16	Cars and general shop construction and repairs by steam-railroad companies.....	13	2,994	.....	26	134	29	2,805	De 3,166	Ap 2,432	3,168	3,138	30	.....	.....	2,370,944
17	Chemicals.....	3	70	.....	7	15	13	35	Ja 49	Je 25	38	38	.....	.....	.....	625,427
18	Cleaning and polishing preparations.....	6	120	2	11	51	5	51	Ja 58	Je 41	56	19	37	.....	.....	255,499
19	Clothing, men's.....	8	1,891	7	47	94	115	1,628	Oc 1,755	Ja 1,317	1,750	436	1,276	9	20	2,962,303
20	Clothing, women's.....	9	591	2	29	38	14	508	No 569	Mh 429	497	52	441	1	3	936,326
21	Coffee, roasting and grinding.....	10	177	7	21	49	20	80	No 97	My 61	92	65	25	.....	.....	1,285,956
22	Confectionery and ice cream.....	20	1,013	24	51	104	29	805	No 734	Jy 541	593	181	365	11	36	2,261,681
23	Confectionery.....	21	811	18	30	99	22	642	Jy 205	Fe 125	425	22	359	8	36	1,663,910
24	Ice cream.....	8	202	6	21	5	7	163	Jy 195	Fe 138	168	159	6	3	.....	607,771
25	Copper, tin, and sheet-iron work.....	25	224	10	19	11	9	166	No 195	Fe 138	199	188	11	.....	.....	457,979
26	Dairymen's and poultrymen's supplies.....	3	62	.....	8	1	3	50	No 65	Ap 42	31	30	.....	1	.....	155,761
27	Electrical machinery, apparatus, and supplies.....	16	2,315	1	47	204	209	1,764	De 2,375	Ja 1,319	1,888	1,628	259	.....	1	7,294,621
28	Flour-mill and gristmill products.....	7	523	2	22	60	18	421	Se 485	Mh 381	420	425	4	.....	.....	4,796,130
29	Foundry and machine-shop products.....	71	7,268	33	248	669	455	5,820	.....	.....	6,763	5,820	929	5	.....	15,161,476
30	Boiler shops, foundries, and machine-shop and foundry combined.....	19	4,338	7	180	197	172	3,832	De 4,514	Mh 2,475	4,512	3,919	593	.....	.....	7,150,373
31	Machine shops.....	52	2,980	26	118	472	280	2,028	De 2,286	Ap 1,800	2,251	1,910	336	5	.....	8,011,103
32	Furniture.....	27	1,988	15	78	105	44	1,740	.....	.....	1,870	1,657	178	34	1	3,911,591
33	Wood, rattan, and willow furniture.....	20	1,558	12	62	85	30	1,369	No 1,456	Ja 1,221	1,440	1,275	138	32	1	3,093,012
34	Metal furniture, and store and office fixtures.....	7	430	3	16	20	14	377	De 422	Ja 341	424	382	40	2	.....	818,579
35	Grease and tallow, not including lubricating greases.....	3	36	.....	1	.....	1	34	Au 41	Je 22	36	36	.....	.....	.....	232,086
36	House-furnishing goods, not elsewhere specified.....	6	20	6	.....	1	.....	13	De 14	Se 13	14	11	3	.....	.....	51,114
37	Ice, manufactured.....	12	288	1	46	15	13	213	Jy 297	Ja 145	164	162	2	.....	.....	1,982,627
38	Iron and steel, welding.....	5	14	5	.....	1	.....	8	Se 10	Oc 7	8	.....	.....	.....	.....	7,810
39	Lumber and timber products.....	8	437	.....	24	17	5	391	No 423	Ja 324	402	392	10	.....	.....	1,851,481
40	Lumber, planing-mill products, not including planing mills connected with sawmills.....	24	422	4	61	34	16	307	De 348	Ja 246	343	345	3	.....	.....	2,058,179
41	Marble and stone work.....	9	88	9	11	6	.....	62	.....	.....	86	86	.....	.....	.....	328,571
42	Monuments and tombstones.....	4	28	5	3	2	.....	18	My 20	De 16	16	16	.....	.....	.....	74,966
43	Other marble and stone work, except slate.....	5	60	4	8	4	.....	44	No 84	Fe 10	70	70	.....	.....	.....	253,605
44	Mineral and carbonated waters.....	6	83	1	11	7	2	62	Au 95	Mh 41	50	49	1	.....	.....	196,615
45	Models and patterns, not including paper patterns.....	13	162	18	10	2	3	129	Se 162	Mh 88	101	100	1	.....	.....	180,629
46	Optical goods.....	7	296	2	19	4	21	250	No 327	Je 118	325	284	26	11	4	561,013
47	Paints.....	8	208	.....	23	55	23	106	Se 120	Fe 96	108	89	19	.....	.....	905,195
48	Patent medicine and compounds.....	23	153	7	24	28	24	70	.....	.....	93	22	71	.....	.....	231,513
49	Patent and proprietary medicines.....	12	114	4	11	19	21	59	De 77	Mh 42	80	9	71	.....	.....	157,505
50	Patent and proprietary compounds, including compounds not elsewhere specified.....	11	39	3	13	9	3	11	Oc 16	No 6	13	13	.....	.....	.....	74,008
51	Pickles, preserves, and sauces.....	5	61	3	4	5	4	45	No 48	Fe 41	47	20	27	.....	.....	84,481
52	Printing and publishing, book and job.....	89	1,613	76	99	136	149	1,153	No 1,130	Ja 1,007	1,190	818	341	24	7	3,881,179
53	Job printing.....	50	1,426	69	88	98	88	1,083	No 75	Mh 64	1,118	756	332	23	7	2,769,113
54	Book publishing, linotype work.....	9	187	7	11	38	61	70	(*) 3	(*) 3	72	62	9	1	.....	1,112,066
55	Printing and publishing, music.....	4	7	3	1	.....	.....	.....	.....	.....	3	2	1	.....	.....	5,060
56	Printing and publishing, newspapers and periodicals.....	59	1,411	25	117	416	205	648	.....	.....	661	581	72	8	.....	2,032,313
57	Printing, publishing, and job printing.....	25	1,314	16	87	395	170	646	De 668	Ja 629	659	579	72	8	.....	1,928,083
58	Publishing without printing.....	34	97	9	30	21	35	2	(*) 2	(*) 2	2	2	.....	.....	.....	104,230
59	Pumps, not including power pumps.....	5	41	4	6	7	2	23	Au 35	Fe 5	34	33	1	.....	.....	181,993
60	Slaughtering and meat packing.....	13	5,333	9	594	66	.....	4,604	Ja 5,587	Ap 4,339	4,421	3,985	381	43	12	23,398,124
61	Soap.....	6	59	1	8	5	7	38	Se 53	Mh 23	51	24	24	.....	3	89,989
62	Stoves and hot-air furnaces.....	7	321	1	14	19	8	279	Oc 317	My 254	262	290	2	.....	.....	648,102
63	Structural iron work, not made in steel works or rolling mills.....	8	317	4	20	23	7	263	No 296	Mh 235	284	283	1	.....	.....	1,274,471
64	Tobacco, cigars.....	30	309	30	8	2	2	267	De 286	Au 254	292	105	186	1	.....	271,805

* Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

* Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

MANUFACTURES—INDIANA.

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COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.						
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.	
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.					Rented. ²
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.
8,485,082	10,334,245	52,410,240	1,030,332	1,329,190	11,235,030	259,672,974	7,031,364	308,666,553	131,912,215	102,741	33,143	6,683	1,652	.....	61,263	10,520	1
35,006	8,828	65,935	686	3,687	1,146	159,926	1,889	359,346	197,531	173	4	20	91	.....	58	.....	2
643,497	418,473	2,893,742	31,970	65,068	303,977	6,389,721	161,178	13,583,146	7,012,247	3,744	.....	700	.....	.....	3,044	175	3
711,846	763,595	7,492,490	.....	60,962	3,434,431	42,015,336	269,895	59,736,346	17,451,115	8,022	550	.....	.....	.....	7,472	.....	4
24,475	7,695	104,934	500	14,066	1,263	125,443	4,138	329,140	199,559	67	.....	.....	.....	.....	67	.....	5
13,311	11,231	27,142	304	3,744	14,561	108,531	1,492	226,723	116,700	28	.....	.....	.....	.....	28	.....	6
9,915	936	42,678	.....	5,890	2,231	35,988	1,340	118,615	81,287	41	.....	.....	.....	.....	41	.....	7
64,306	35,093	179,038	.....	6,862	27,528	742,088	7,379	1,232,929	483,462	235	60	.....	.....	.....	175	20	8
27,545	4,548	113,834	.....	10,409	24,694	291,590	5,162	532,518	235,766	469	150	.....	.....	.....	319	.....	9
88,240	19,355	407,159	.....	6,210	25,404	826,032	31,512	1,585,132	727,588	799	.....	.....	.....	.....	799	.....	10
173,008	344,026	860,751	13,418	38,461	226,181	4,613,254	180,435	7,713,218	2,969,529	1,562	337	.....	.....	.....	1,225	120	11
38,820	13,782	100,295	.....	1,830	14,173	224,377	2,702	489,911	259,832	175	.....	.....	115	.....	60	9	12
46,108	53,430	152,070	.....	5,134	30,401	3,723,515	15,254	4,133,326	394,557	339	.....	100	.....	.....	239	.....	13
2,900	8,600	17,622	110	420	85	6,857	1,457	62,605	55,291	40	.....	.....	.....	.....	40	.....	14
23,190	2,980	68,284	.....	9,600	3,028	57,177	3,289	200,464	139,998	142	.....	.....	.....	.....	142	.....	15
322,567	190,225	3,059,520	.....	220	474	2,243,060	191,648	6,838,631	4,403,923	1,699	1,530	.....	.....	.....	169	559	16
15,007	34,580	38,605	.....	1,440	17,809	166,858	10,811	464,652	296,983	784	.....	.....	.....	.....	784	.....	17
32,864	51,064	28,747	.....	5,945	4,161	278,140	2,203	536,847	255,504	74	.....	.....	.....	.....	74	.....	18
184,729	295,114	1,289,760	.....	44,816	123,732	4,038,803	22,232	6,719,276	2,719,276	390	.....	.....	.....	.....	390	.....	19
81,955	97,018	333,802	.....	16,372	35,178	1,003,165	4,672	1,756,288	745,451	148	.....	.....	.....	.....	148	.....	20
67,610	66,181	76,247	.....	21,835	23,875	1,680,868	6,895	2,066,672	508,924	335	.....	.....	.....	.....	335	.....	21
192,611	190,646	514,047	.....	72,968	287,854	2,877,823	63,586	4,716,443	1,775,034	1,068	545	160	.....	.....	963	340	22
104,823	181,842	303,283	.....	59,103	265,545	1,737,009	26,955	3,087,042	1,273,078	660	225	.....	.....	.....	435	840	23
67,788	14,804	150,704	.....	13,855	21,809	1,140,814	36,631	1,679,401	501,956	1,008	320	160	.....	.....	528	.....	24
59,232	23,345	187,000	7,000	12,358	9,035	505,358	3,564	928,158	419,206	104	.....	.....	.....	.....	104	.....	25
12,168	2,337	44,305	.....	3,135	110,282	1,182	188,318	70,854	70,854	43	.....	.....	.....	.....	43	.....	26
182,954	504,080	1,038,475	.....	17,230	243,767	4,239,360	141,421	8,591,162	4,210,381	4,577	160	.....	10	.....	4,407	.....	27
117,835	117,494	470,540	28	127,969	12,464,078	149,677	14,573,078	1,963,228	6,838	3,050	800	.....	.....	.....	2,988	2,415	28
930,669	1,258,096	6,085,015	22,063	42,641	1,712,695	8,590,180	518,064	15,108,219	11,285	2,770	.....	.....	17	.....	8,498	1,708	29
481,072	417,812	4,577,908	218	8,495	1,628,396	5,241,946	399,154	13,779,303	8,138,203	6,785	2,290	.....	12	.....	4,483	1,560	30
448,997	840,884	2,077,017	22,445	34,146	184,209	3,348,214	118,910	10,437,140	6,070,016	4,500	480	.....	5	.....	4,015	148	31
221,580	268,583	1,509,153	1,972	21,879	62,305	3,132,118	90,030	6,165,938	2,933,790	2,009	1,615	.....	.....	.....	1,294	570	32
180,053	224,345	1,204,936	.....	8,965	57,086	2,614,804	68,148	4,971,797	2,388,845	2,525	1,515	.....	.....	.....	1,010	570	33
41,533	44,243	304,222	1,072	12,914	5,219	617,314	21,882	1,184,141	544,945	384	100	.....	.....	.....	284	.....	34
3,120	1,200	43,106	.....	.....	217	73,233	18,502	180,153	88,418	412	50	185	.....	.....	177	.....	35
.....	936	14,779	5,800	1,810	252	97,999	1,214	143,589	44,376	27	.....	.....	.....	.....	27	.....	36
80,480	32,211	230,689	.....	2,960	41,421	206,259	195,945	1,075,357	673,153	3,312	3,166	.....	.....	.....	146	207	37
.....	520	7,745	1,500	2,182	59	5,390	531	25,720	19,799	11	.....	.....	.....	.....	11	.....	38
84,100	60,213	385,285	80,195	6,080	72,914	1,065,897	26,702	2,433,174	1,300,575	2,537	500	.....	.....	.....	2,037	.....	39
143,738	45,444	309,637	1,865	10,987	42,702	933,020	39,695	1,738,126	765,411	2,463	325	60	20	.....	2,053	.....	40
22,276	5,591	80,402	971	200	2,182	153,844	5,260	326,570	167,466	351	190	.....	.....	.....	161	.....	41
5,792	1,710	29,797	276	.....	486	98,091	1,841	174,017	74,585	50	.....	.....	.....	.....	50	.....	42
10,484	3,881	50,605	695	200	1,696	55,763	3,919	162,553	92,881	301	190	.....	.....	.....	111	.....	43
26,930	11,311	62,889	.....	1,680	13,995	260,736	6,020	432,986	166,230	99	20	.....	.....	.....	79	.....	44
17,371	4,714	238,816	663	5,962	1,490	99,684	2,271	463,039	361,084	97	.....	.....	5	.....	92	.....	45
52,973	18,587	214,131	.....	15,296	33,004	382,014	7,778	884,506	494,714	175	.....	.....	.....	.....	175	.....	46
51,497	103,098	85,985	.....	23,224	31,666	1,316,143	9,062	1,927,808	602,603	538	.....	.....	.....	.....	538	.....	47
68,587	53,798	53,085	6,168	9,449	86,704	292,701	4,093	756,033	459,239	171	20	.....	.....	.....	151	.....	48
48,260	37,520	40,419	6,000	4,356	86,423	216,878	738	606,330	388,714	13	.....	.....	.....	.....	13	.....	49
20,327	16,269	12,066	168	5,093	281	75,823	3,355	149,703	70,525	158	20	.....	.....	.....	138	.....	50
7,055	7,690	35,546	408	2,193	4,570	167,938	2,915	273,156	102,303	84	50	.....	2	.....	32	.....	51
356,770	304,049	1,161,878	317,831	104,398	64,116	1,823,773	38,207	5,235,539	3,371,559	1,385	150	.....	30	.....	1,206	31	52
316,646	211,659	1,064,029	78,810	102,758	58,337	1,796,556	33,496	4,538,577	2,708,555	1,336	150	.....	30	.....	1,156	31	53
40,124	92,387	97,849	230,082	1,640	5,779	32,217	4,741	699,962	663,004	50	.....	.....	.....	.....	50	.....	54
900	.....	2,778	7,131	1,662	18	410	66	17,298	16,822	2	.....	.....	2	.....	.....	.....	55
328,448	676,933	809,039	453,519	47,616	134,729	1,952,186	38,965	6,332,766	4,341,615	1,473	60	.....	.....	.....	1,413	.....	56
277,688	609,296	865,679	86,507	39,773	133,962	1,936,257	38,941	5,744,985	3,769,787	1,473	60	.....	.....	.....	1,413	.....	57
50,760	67,637	3,360	366,952	7,843	767	15,929	24	587,781	571,828	.....	.....	.....	.....	.....	.....	.....	58
6,594	9,022	21,614	150	2,850	1,951	96,163	1,896	174,217	70,658	42	.....	.....	.....	.....	42	.....	59
380,235	742,609	4,384,320	2,602	10,464	535,322	95,557,080	432,810	104,805,746	8,815,856	8,410	4,602	2,038	.....	.....	1,770	3,326	60
13,824	10,594	32,012	8,672	4,258	3,059	205,619	2,102	288,646	80,925	41	4	.....	.....	.....	37	.....	61
68,268	39,681	353,255	7,668	4,952	22,884	343,906	21,204	1,056,610	691,500	389	150	.....	.....	.....	239	80	62
65,277	51,403	313,551	156	2,804	86,697	981,869	13,425	1,782,521	787,227	740	400	.....	.....	.....	340	270	63
15,276	3,286	171,350	167	9,179	88,322	365,187	2,514	734,408	366,707	2	.....	.....	.....	.....	2	.....	64

* Same number reported for one or more months.

* Same number reported throughout the year.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.								WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.	
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.			Total.	16 and over.		Under 16.		
					Male.	Female.	Average number.	Number, 15th day of—			Male.	Female.	Male.		Female.
								Maximum month.	Minimum month.						

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

INDIANAPOLIS—Con.																
1	Tools, not elsewhere specified.....	12	133	11	16	6	5	95			155	154		1	213,676	
2	Machinists' tools.....	8	101	7	14	5	3	72	De ^s 126	Ja 32	126	125		1	177,243	
3	All other.....	4	32	4	2	1	2	23	De 29	Fe 13	29	29			36,433	
4	Trunks and valises.....	4	23	3	6		1	13	De ^s 16	Ap ^s 11	16	14	2		53,797	
5	Varnishes.....	3	75		12	26	5	32	No ^s 38	Ja 24	39	38	1		524,567	
6	Window and door screens.....	3	9	4				5	Se 8	De ^s 3	5	5			12,850	
7	All other industries *.....	193	16,713	98	603	1,493	829	13,690			14,504	10,992	3,375	72	65	74,873,516

*All other industries embrace—

Agricultural implements.....	3	Cars and general shop construction and repairs by electric-railroad companies.....	2	Electroplating.....	2	Gas, illuminating and heating.....	1
Artificial limbs.....	2	Cars, steam-railroad, not including operations of railroad companies.....	2	Engines, steam, gas, and water.....	2	Glass.....	1
Artists' materials, crayons.....	1	Chewing gum.....	1	Engraving, steel and copper plate, including plate printing.....	4	Glass, cutting, staining, and ornamenting.....	3
Babbitt and white metal.....	1	China decorating, not including that done in potteries.....	1	Engraving, wood.....	2	Gloves and mittens, cloth, not including gloves made in textile mills.....	1
Bags, other than paper, not including bags made in textile mills.....	1	Coffins, burial cases, and undertakers' goods.....	1	Envelopes.....	1	Glucose and starch.....	1
Baskets, and rattan and willow ware.....	1	Cooperage, hogsheds and barrels.....	1	Fancy articles, not elsewhere specified.....	2	Glue, not elsewhere specified.....	2
Belted, leather.....	1	Cordage and twine.....	1	Feathers and plumes.....	1	Hair work.....	1
Blacking, stains, and dressings.....	1	Cotton goods.....	1	Fertilizers.....	1	Hand stamps.....	2
Boxes, cigar.....	3	Dental goods.....	2	Flavoring extracts.....	2	Hardware.....	1
Brick and tile, terra-cotta, and fire-clay products.....	2	Druggists' preparations.....	9	Food preparations, not elsewhere specified.....	3	Hats and caps, other than felt, straw, and wool.....	1
Brushes.....	1			Fur goods.....	3	Hats, straw.....	3
Canning and preserving, fruits and vegetables.....	5			Furnishing goods, men's.....	1	Instruments, professional and scientific.....	2

SOUTH BEND—All industries.																	
	214	18,152	148	802	1,596	514	14,792	De	16,526	Ap	13,984	16,653	13,206	3,081	196	175	79,250,503
1	Automobile repairing.....	8	32	7			25	Au ^s	28	Fe ^s	20	23	23				26,756
2	Bread and other bakery products.....	21	144	20	5	8	103	Je	107	Ap	99	103	78	18	0	1	370,214
3	Confectionery and ice cream.....	11	164	11	7	2	139					181	64	113	1	3	441,725
4	Confectionery.....	8	131	10	2	2	114	De	159	Je ^s	50	159	44	112		3	293,440
5	Ice cream.....	3	33	1	5		25	Au ^s	39	Mh ^s	15	22	20	1	1		143,285
6	Copper, tin, and sheet-iron work.....	4	38	7	4	1	25	So ^s	32	Mh ^s	18	23	23				55,994
7	Foundry and machine-shop products.....	11	349	4	22	8	304	Ja	328	Je	273	326	324	2			1,159,885
8	Furniture, wood, other than rattan and willow.....	3	190		12	28	142	Se	173	Fe	90	168	157	4	7		368,051
9	Lumber, planing-mill products, not including planing mills connected with sawmills.....	6	113		14	7	84	Se	111	Ja	59	100	100				514,104
10	Marble and stone work.....	3	23	1	4	2	16	No	22	Ja	9	21	21				110,678
11	Mineral and carbonated waters.....	4	16	3	2		11	Je	18	Mh ¹	5	13	12		1		48,850
12	Patent and proprietary medicines.....	9	52	7	7		36	De	38	Au	33	41	8	30	1	2	44,158
13	Printing and publishing, book and job.....	15	173	11	13	5	137	De	154	Ja	102	155	107	43	3	2	404,937
14	Printing and publishing, newspapers and periodicals.....	8	184	9	7	34	107	Mh	113	Au	102	71	62	7	2		476,156
15	Tobacco, cigars.....	12	188	13	8	9	155	No	163	Ja	136	160	72	88			295,985
16	Tools, not elsewhere specified.....	4	73	6	1	2	62	Fe	68	Je	53	66	60		6		244,867
17	All other industries *.....	95	16,413	49	696	1,490	732					15,207	12,095	2,776	169	167	74,683,143

* All other industries embrace—

Agricultural implements.....	3	Brass, bronze, and copper products.....	4	Clothing, women's, wrappers and house dresses.....	2	Flour-mill and gristmill products.....	2
Artificial stone products.....	2	Brooms, from broom corn.....	1	Coffee, roasting and grinding.....	1	Fur goods.....	1
Automobile bodies and parts.....	6	Butter.....	1	Druggists' preparations.....	2	Gas, illuminating and heating.....	1
Awnings, tents, and sails.....	1	Carriages and wagons.....	1	Electrical machinery, apparatus, and supplies.....	1	Gloves and mittens, cloth, not including gloves made in textile mills.....	1
Baling.....	2	Cars and general shop construction and repairs by electric-railroad companies.....	1	Electroplating.....	2	Hand stamps.....	1
Bookbinding and blank-book making.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	1	Engraving, steel and copper plate, including plate printing.....	1	Hardware, piano and organ.....	1
Boxes, cigar.....	1	Cleansing preparations.....	1	Engraving, wood.....	1	Ice, manufactured.....	1
Boxes, paper and other, not elsewhere specified.....	2	Clothing, men's.....	2			Iron and steel, welding.....	1
						Knit goods.....	2

1 Includes water wheels and turbines (irrespective of ownership of water supply) and water motors (operated by water from city mains).

2 Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal-combustion engines.	Water power. ¹		Rent- ed.^{2}

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.							
20,400	9,239	124,813	10,708	7,191	440	45,853	4,200	312,890	262,837	116					116	1
17,109	5,149	85,171	10,383	0,038	55	35,670	3,132	238,130	199,428	86					86	2
3,800	4,090	39,642	320	1,163	385	10,283	1,068	74,760	63,469	30					30	3
7,100	400	15,642		3,324	133	58,933	448	100,404	41,023	10					10	4
48,306	99,309	40,617			10,807	531,413	3,693	853,612	318,806	65					65	5
		5,806			95	7,090	316	16,200	8,794	30					30	6
2,300,645	3,214,770	13,873,506	28,372	545,540	3,195,559	52,074,746	4,361,893	98,178,919	41,742,280	33,068	12,685	2,620	1,360		16,403	6,690

Iron and steel, forgings, not made in steel works or rolling mills.	2	Motorcycles, bicycles, and parts.	1	Pumps, steam.	1	Steel barrels, drums, and tanks, portable.	1
Jewelry.	8	Mucilage, paste, and other adhesives, not elsewhere specified.	2	Roofing materials.	1	Stereotyping and electrotyping.	2
Leather goods, not elsewhere specified.	5	Musical instruments and materials, not specified.	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	3	Stoves, gas and oil.	1
Leather, tanned, curried, and finished.	1	Oils, vegetable.	1	Saddlery and harness.	5	Surgical appliances.	3
Liquors, malt.	1	Paper and wood pulp.	1	Saws.	1	Tinware, not elsewhere specified.	2
Lithographing.	2	Perfumery and cosmetics.	4	Screens, machine.	2	Toys and games.	2
Looking-glass and picture frames.	3	Phonographs and graphophones.	1	Shirts.	2	Typewriters and supplies.	1
Machine tools.	2	Photographic materials.	2	Signs and advertising novelties.	3	Umbrellas and canes.	1
Mattresses and spring beds, not elsewhere specified.	2	Photo-engraving.	3	Stamped ware, not elsewhere specified.	1	Upholstering materials, excelsior.	4
Millinery and lace goods, not elsewhere specified.	6	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.	2	Stationery goods, not elsewhere specified.	2	Wall plaster and composition flooring.	6
Mirrors, framed and unframed, not elsewhere specified.	3	Printing materials.	1	Steam fittings and steam and hot-water heating apparatus.	2	Wirework, woven-wire fencing.	1
				Steam packing.	1	Wood preserving.	2
						Wood, turned and carved.	2

2,730,207	2,729,913	17,427,415	191,685	128,944	2,534,324	37,187,058	1,519,089	75,339,165	36,633,018	28,748	5,421	10,595	25	3,006	9,701	8,803	1
		37,997		3,920	420	5,310	2,036	58,907	51,561	30			7		23		2
18,947	21,970	134,400	685	5,400	17,400	640,265	21,373	968,647	307,009	125					125		3
19,540	5,870	127,468	880	3,840	22,649	753,249	14,028	1,145,403	378,126	241	70				171		4
3,500	4,400	99,885	880	3,600	21,774	434,554	4,860	744,331	304,917	100					100		5
16,040	1,470	27,583		240	875	318,695	9,168	401,072	73,209	141	70				71		6
8,060	2,798	27,952		1,790	711	31,277	407	89,315	57,631	5			5			1	7
67,364	23,981	374,791	1,071	1,825	55,927	421,062	22,820	1,264,228	820,346	486	100				356		8
40,575	20,045	142,887			3,915	283,177	8,931	647,781	356,673	395	200				195		9
33,150	11,452	90,653		3,120	7,465	556,774	5,113	764,107	202,220	258	125				133		10
10,433	2,748	24,970			1,162	48,937	2,012	123,911	72,962	69					69		11
1,225		10,416		900	4,617	35,098	659	70,473	34,716	4					4		12
14,057	600	21,729	12,857	2,562	2,723	48,835	378	124,068	74,855	9					9		13
29,573	12,069	141,693	9,484	10,832	7,105	257,745	5,893	572,174	308,536	157			5		152		14
34,283	71,360	127,211	109,187	3,150	12,884	208,825	6,274	767,800	552,701	135					135		15
14,615	39,083	143,337	200	2,774	72,411	214,449	1,371	523,357	307,537	10					10		16
2,730	3,866	52,344		1,498	2,848	100,143	5,068	225,587	114,876	153					153		17
2,437,655	2,514,081	15,969,477	56,721	87,243	2,322,087	33,576,912	1,422,726	67,993,407	32,994,769	26,071	4,925	10,595	8	3,006	8,136	8,802	18

Lamps.	1	Mucilage and paste.	1	Rubber tires, tubes, and rubber goods, not elsewhere specified.	1	Tobacco, smoking and snuff.	2
Liquors, malt.	2	Musical instruments and materials, not specified.	1	Saddlery and harness.	1	Toys and games.	1
Looking-glass and picture frames.	1	Optical goods.	2	Sewing-machine cases.	1	Varnishes.	1
Lumber and timber products.	1	Paper and wood pulp.	1	Shirts.	2	Wall paper, not made in paper mills.	1
Machine tools.	1	Perfumery and cosmetics.	2	Sporting and athletic goods.	1	Watches.	1
Mattresses and spring beds, not elsewhere specified.	2	Phonographs and graphophones.	1	Stereotyping and electrotyping.	1	Window and door screens.	1
Models and patterns, not including paper patterns.	2	Photo-engraving.	1	Stoves and ranges.	2	Wirework, not elsewhere specified.	1
Motorcycles, bicycles, and parts.	1	Pickles and sauces.	1	Stoves, gas and oil.	1	Wood, turned and carved.	2
		Roofing materials.	1	Structural ironwork, not made in steel works or rolling mills.	1	Woolen goods.	1

Same number reported for one or more other months.

MANUFACTURES—INDIANA.

TABLE 35.—DETAILED STATEMENT OF ALL INDUSTRIES

INDUSTRY.	Number of establishments	PERSONS ENGAGED IN THE INDUSTRY.							WAGE EARNERS DEC. 15, OR NEAREST REPRESENTATIVE DAY.				Capital.		
		Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks, etc.		Wage earners.		Total.	16 and over.		Under 16.			
					Male.	Female.	Average number.	Number, 15th day of—		Male.	Female.	Male.		Female.	
								Maximum month.							Minimum month.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

1	TERRE HAUTE—All industries.	257	7,631	200	328	301	254	6,458	Au	0,839	Ap	5,931	6,796	5,790	955	32	19	Dollars.
																		20,663,905
2	Artificial stone products.....	7	27	3	2	.....	4	18	Ap ^a	21	Ja	11	18	18	.....	.....	.....	39,824
3	Automobile bodies and parts.....	6	34	8	.....	.....	.....	26	Fe	30	No	22	24	24	.....	.....	.....	49,102
4	Automobile repairing.....	39	176	40	12	4	10	110	Au ^a	124	Fe	96	103	102	1	.....	.....	208,825
5	Bread and other bakery products.....	28	348	20	11	38	5	265	Se	276	Ja	243	274	178	94	1	1	786,483
6	Brooms, from broom corn.....	4	8	4	.....	1	.....	3	De ^a	4	Ja ^a	3	4	4	.....	.....	.....	15,520
7	Butter.....	3	95	.....	8	8	5	74	No	89	Jy	66	86	77	9	.....	.....	261,904
8	Clothing, men's and youths'.....	4	328	7	10	18	7	286	De	360	Ap	204	337	46	291	.....	.....	706,291
9	Confectionery and ice cream.....	8	230	9	12	9	18	182	No	255	My	101	229	86	124	3	10	359,634
10	Copper, tin, and sheet-iron work.....	19	91	17	14	1	6	53	Oc	63	Fe	44	58	52	5	1	.....	196,954
11	Foundry and machine-shop products.....	18	547	12	20	16	9	481	.....	.....	.....	.....	494	483	10	1	.....	1,426,851
12	Boiler shops, foundries, and machine shop and foundry combined.....	7	342	8	11	5	4	314	Au	343	Fe	286	315	307	8	.....	.....	807,679
13	Machine shops.....	11	205	4	18	11	5	167	Ja	210	Mh	138	179	176	2	1	.....	619,272
14	Lumber, planing-mill products, not including planing mills connected with sawmills.....	4	31	2	6	.....	1	22	Je	25	De ^a	19	19	19	.....	.....	.....	86,065
15	Mineral and carbonated waters.....	6	35	6	5	2	2	20	Jy	39	De ^a	8	34	29	5	.....	.....	109,769
16	Printing, job and linotype work.....	11	135	10	17	14	11	83	De ^a	88	Ja	77	88	60	20	8	.....	290,263
17	Printing and publishing, newspapers and periodicals.....	7	224	.....	20	65	34	105	De	114	Fe	96	114	109	5	.....	.....	476,207
18	Tobacco, cigars.....	9	10	9	.....	.....	.....	7	De ^a	12	Ap ^a	5	8	1	2	.....	.....	20,750
19	All other industries ^a	84	5,306	44	182	215	142	4,723	.....	.....	.....	.....	4,911	4,502	389	18	2	15,632,394

*All other industries embrace—	Brushes, toilet.....	1	Cars and general shop construction and repairs by steam-railroad companies.....	5	Electrical machinery, apparatus, and supplies.....	1
Airplanes, seaplanes, and airships, and parts.....	Carpets, rag.....	1	Cars, steam-railroad, not including operations of railroad companies.....	1	Flour-mill and gristmill products.....	4
Artificial limbs.....	Carriages and wagon materials.....	1	Clothing, women's.....	2	Food preparations, not elsewhere specified.....	1
Awnings, tents, and sails.....	Carriages and sleds, children's.....	1	Coffee, roasting and grinding.....	3	Furniture, wood, other than rattan and willow.....	2
Boxes, wooden packing, except cigar boxes.....	Carriages and wagons, including repairs.....	2	Coffins, burial cases, and undertakers' goods.....	1	Gas and electric fixtures.....	1
Brass and bronze products.....	Cars and general shop construction and repairs by electric-railroad companies.....	1	Copperage, hogsheads and barrels.....	3	Gas, illuminating and heating.....	1
Brick, building.....	.....	3	.....	.....	.....	.....

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	ANDERSON.....	99	9,021	59	234	457	343	7,928	Se	0,208	Mh	6,706	8,198	6,409	1,730	54	5	23,637,085
2	BLOOMINGTON.....	39	1,598	34	63	40	41	1,420	De	1,602	Ja	1,209	1,666	1,429	224	5	8	4,322,609
3	CLINTON.....	26	532	26	19	10	8	469	Au	503	Fe	419	471	206	175	.....	.....	826,425
4	CRAWFORDSVILLE.....	55	998	38	77	62	86	785	Se	942	Ap	696	966	817	142	5	2	2,292,338
5	EAST CHICAGO.....	61	10,752	29	399	1,035	332	8,967	Ja	9,965	Je	8,345	10,000	9,636	346	18	.....	106,254,672
6	ELKHART.....	120	6,624	91	240	327	238	5,728	De	5,868	No	5,657	5,889	5,166	685	20	18	13,786,735
7	ELWOOD.....	32	2,445	23	95	107	53	2,167	Au	2,675	My	1,786	2,381	1,786	585	10	.....	7,100,247
8	FRANKFORT.....	34	1,454	35	65	69	47	1,275	De	1,582	Ja	1,128	1,595	1,147	444	4	.....	3,385,774
9	HAMMOND.....	64	7,243	69	265	608	236	6,065	Ja	6,760	Au	4,479	6,462	5,602	730	56	74	38,369,497
10	HUNTINGTON.....	57	2,586	54	113	152	102	2,165	Ja	2,384	Je	1,888	2,454	1,926	289	220	19	6,186,726
11	JEFFERSONVILLE.....	29	1,213	21	75	59	41	1,017	Jy	1,490	Oc	597	693	681	12	.....	.....	4,506,803
12	KOKOMO.....	98	7,637	82	251	320	257	6,727	No	7,490	Ja	6,039	7,103	6,353	732	9	9	24,779,672
13	LA PORTE.....	62	4,132	32	163	325	130	3,502	De	3,682	Ja	3,250	3,667	3,198	447	17	5	21,007,994
14	LAFAYETTE.....	85	2,998	48	173	117	108	2,550	De	2,858	Mh	2,337	2,872	2,544	273	14	41	8,037,125
15	LOGANSPOUT.....	67	2,776	64	87	199	88	2,338	De	2,933	Mh	1,957	2,951	2,608	306	10	27	2,894,509
16	MARION.....	101	5,694	69	224	540	215	4,646	No	5,154	Jy	4,199	5,053	3,902	986	80	85	14,572,144
17	MICHIGAN CITY.....	47	3,915	29	158	197	79	3,452	My	3,929	No	2,755	4,088	3,446	438	69	135	20,805,353
18	MISHAWAKA.....	32	5,815	24	211	215	207	5,068	Se	5,382	Ja	4,865	5,888	4,272	1,070	20	26	26,817,033
19	MUNCIE.....	121	7,459	87	363	222	228	6,559	De	7,169	De	5,574	6,957	6,113	778	40	26	22,116,186
20	NEW ALBANY.....	93	1,515	80	116	48	32	1,239	De	1,420	Ja	997	1,462	1,243	190	18	11	4,399,921
21	NEW CASTLE.....	33	4,413	21	83	163	105	4,041	Fe	4,712	Fe	3,076	4,596	4,055	499	28	4	8,406,266
22	PERU.....	40	1,670	44	64	49	47	1,466	No	1,683	Fe	1,305	1,649	1,260	359	13	17	3,051,423
23	RICHMOND.....	144	5,767	109	223	278	219	4,938	De	5,318	Fe	4,523	5,321	4,317	808	65	41	14,214,713
24	VINCENNES.....	98	1,501	81	87	97	45	1,191	Oc	1,620	Mh	758	1,639	1,482	153	1	3	6,220,676

¹ Includes water wheels and turbines (irrespective of ownership of water supply), and water motors (operated by water from city mains).² Chiefly electric motors operated by rented (or purchased) current; other power included (chiefly shaft-belt or transmitted power from neighboring power plants).

COMBINED AND SPECIFIED INDUSTRIES: 1919—Continued.

EXPENSES.								Value of products.	Value added by manufacture.	POWER.					
Salaries and wages.			For contract work.	Rent and taxes.		For materials.				Primary horsepower.					Electric horsepower generated in establishments reporting.
Officials.	Clerks, etc.	Wage earners.		Rent of factory.	Taxes, Federal, state, county, and local.	Principal materials.	Fuel and rent of power.			Total.	Owned.				
											Steam engines (not turbines).	Steam turbines.	Internal combustion engines.	Water power. ¹		Rent-ed.^{2}

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SPECIFIED INDUSTRIES—Continued.

Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	Dollars.	19,664	13,837	1,770	145	.....	3,912	5,833	1
1,170,314	769,886	7,389,936	35,017	121,111	1,479,074	26,102,674	800,206	41,967,818	15,064,938								
1,733	2,719	22,584	.....	574	535	41,445	1,788	86,484	43,253	16	.....	.....	.....	.....	16	.....	2
23,156	8,464	135,556	150	12,102	515	25,017	1,381	78,640	52,248	32	.....	.....	.....	.....	32	.....	3
33,588	47,761	249,279	.....	18,225	7,184	137,119	6,786	439,494	295,889	208	.....	.....	10	.....	198	.....	4
11,623	15,167	94,062	.....	8,980	174,201	1,241,076	13,659	2,029,958	774,623	394	265	.....	.....	.....	129	221	5
33,664	30,241	132,920	2,205	60	97	11,044	160	21,663	10,459	4	.....	.....	2	.....	2	.....	6
30,073	45,326	95,074	.....	.....	25,900	1,013,077	9,196	1,371,673	349,300	130	40	.....	.....	.....	90	.....	7
24,058	4,708	59,686	552	11,815	8,241	923,895	5,274	1,351,979	422,810	161	.....	.....	.....	.....	161	.....	8
157,808	28,387	539,116	325	16,154	23,421	452,010	14,193	748,056	251,853	268	186	.....	.....	.....	78	104	9
66,286	10,209	359,552	.....	3,308	3,070	543,175	2,593	748,745	202,977	20	.....	.....	.....	.....	20	.....	10
91,522	18,178	182,564	325	1,428	45,746	747,592	50,731	1,862,513	1,064,140	1,274	228	.....	10	.....	1,036	40	11
4,540	684	25,985	700	.....	34,943	435,618	39,617	1,223,701	699,466	740	165	.....	.....	.....	575	40	12
7,820	3,560	17,913	.....	10,803	261,974	12,164	638,812	364,674	47,850	534	63	.....	10	.....	461	.....	13
36,976	23,223	84,616	164	300	1,042	29,709	4,340	81,899	.....	225	75	.....	20	.....	130	.....	14
48,025	89,593	165,203	18,272	.....	13,886	132,426	2,039	218,793	84,328	58	15	.....	.....	.....	43	.....	15
.....	.....	5,430	.....	7,616	6,664	156,387	2,937	393,222	233,898	75	.....	.....	.....	.....	75	.....	16
740,750	462,853	5,726,659	12,619	11,126	36,912	220,154	7,142	856,533	629,237	162	.....	.....	.....	.....	162	.....	17
.....	.....	.....	.....	454	5,768	10,883	293	31,783	20,637	5	.....	.....	.....	.....	5	.....	18
.....	.....	.....	.....	28,348	1,125,877	20,387,095	677,646	31,646,477	10,581,736	16,637	13,029	1,770	103	.....	1,735	5,468	19

Hand stamps.....	1	Mattresses and spring beds, not elsewhere specified.....	1	Photo-engraving.....	1	Slaughtering and meat packing.....	3
Ice, manufactured.....	2	Models and patterns, not including paper patterns.....	1	Pickles, preserves, and sauces.....	2	Stereotyping and electrotyping.....	1
Iron and steel, steel works and rolling mills.....	2	Optical goods.....	2	Poultry, killing and dressing, not done in slaughtering and meat-packing establishments.....	2	Tobacco, smoking.....	1
Iron and steel, welding.....	1	Paints.....	1	Pulp goods.....	1	Varnishes.....	1
Lamps.....	1	Paper and wood pulp.....	1	Saddlery and harness.....	4	Wirework, woven-wire fencing.....	1
Liquors, malt.....	2	Patent medicines and compounds.....	2	Scales and balances.....	1	Wood, turned and carved.....	1
Lumber and timber products.....	2	Perfumery and cosmetics.....	2	Signs and advertising novelties.....	2		
Marble and stone work.....	3						

CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

812,435	963,746	8,454,629	159,231	18,336	1,320,009	21,216,666	873,503	88,980,509	16,840,340	20,002	11,352	930	313	.....	7,407	1,848	1
194,016	72,050	1,122,889	5,305	3,699	223,628	4,153,038	97,061	6,816,092	2,595,903	3,708	2,220	.....	33	.....	1,455	1,138	2
60,337	32,474	415,994	.....	4,200	27,751	961,190	52,262	1,760,794	737,342	1,178	707	.....	2	.....	469	355	3
125,767	122,374	741,517	22,823	8,600	134,924	2,731,932	138,364	4,837,222	1,966,926	2,181	1,155	.....	5	.....	1,021	8	4
1,918,582	2,115,900	15,268,466	1,863	11,018	1,625,040	50,919,025	6,415,052	89,568,763	26,234,676	84,569	10,344	45,785	216	.....	19,224	37,329	5
802,419	672,315	6,058,630	5,352	49,680	446,463	12,807,201	554,635	24,421,494	11,059,658	9,491	3,070	1,520	53	272	4,576	2,814	6
286,152	222,880	2,620,406	6,750	4,084	333,135	10,115,473	402,741	15,644,587	5,126,323	7,110	6,191	.....	4	.....	915	2,278	7
128,650	126,559	1,282,322	6,977	11,021	125,169	4,143,222	108,996	6,401,263	2,149,045	2,366	256	.....	.....	.....	2,110	73	8
1,191,329	1,245,066	8,838,829	.....	58,910	1,734,944	39,009,695	942,044	59,276,319	19,324,580	16,018	4,411	3,700	14	5	7,888	8,408	9
431,018	348,476	2,732,405	2,981	14,558	273,609	4,319,177	178,782	9,977,014	5,479,055	3,139	848	.....	25	.....	2,266	40	10
183,151	160,960	1,331,862	4,372	2,184	343,371	4,174,092	218,204	6,732,599	2,340,213	3,364	1,143	.....	74	.....	2,147	8	11
889,004	608,215	8,249,355	23,169	20,530	1,429,777	19,932,965	1,650,743	38,709,165	17,116,467	33,470	10,725	9,582	6,049	.....	7,114	13,392	12
659,327	986,102	4,061,102	27,678	22,718	828,860	10,276,601	254,142	20,580,890	10,050,147	5,741	3,600	25	.....	.....	2,116	3,512	13
591,278	800,582	2,878,654	54,034	27,297	481,328	6,569,302	309,482	12,616,169	5,737,385	6,153	2,490	.....	133	.....	3,530	422	14
201,558	378,812	3,044,102	8,793	19,697	45,462	3,685,820	238,694	7,746,446	3,821,932	5,554	1,455	.....	2	.....	4,097	663	15
676,255	663,005	4,330,922	8,283	29,339	1,050,029	14,029,822	788,999	24,325,085	9,506,264	8,941	3,332	1,186	62	.....	4,361	2,449	16
498,244	275,002	4,669,449	51,102	23,465	2,258,282	26,585,764	538,853	37,360,551	10,235,934	6,393	3,240	2,400	.....	.....	753	5,545	17
630,423	483,254	5,687,666	2,109	12,640	1,190,202	13,662,226	366,511	27,765,010	13,737,273	11,261	4,405	2,125	222	1,950	2,559	1,877	18
1,237,457	579,682	7,141,668	4,116	30,425	972,835	17,704,540	1,105,711	33,175,525	14,365,274	15,542	2,240	45	159	.....	13,098	483	19
254,437	81,656	1,110,080	1,088	17,536	141,758	3,992,591	134,969	6,766,373	2,638,813	3,341	2,183	.....	14	150	994	345	20
251,613	264,937	4,170,452	1,475	4,045	174,320	7,948,367	550,209	14,583,738	6,085,172	5,821	1,920	2,850	3	.....	1,048	3,690	21
178,089	127,587	1,189,740	110	17,600	107,243	2,361,067	84,009	4,704,560	2,259,494	1,941	715	10	.....	.....	1,216	.....	22
879,283	562,113	4,858,737	173,458	50,979	457,074	12,452,895	258,808	22,893,643	10,181,945	6,711	3,471	.....	35	.....	3,205	3,353	23
210,584	151,639	1,088,565	900	24,002	185,827	4,233,434	352,333	7,582,072	2,996,305	4,090	2,605	.....	316	.....	1,169	440	24

* Same number reported for one or more other months.

* Excludes Whiting, to avoid disclosure of individual operations.

MINES AND QUARRIES—INDIANA.

EXPLANATION OF TERMS.

Scope of census and period covered.—The census of mines, quarries, and petroleum or natural-gas wells does not cover enterprises which were idle; that is, in which neither productive nor development work was done during the entire year, or the products of which were valued at less than \$500; or in the case of bituminous coal mining, producing less than 1,000 tons, or, if not productive, in which development work amounting to less than \$5,000 was done. The returns relate to the calendar year 1919. When use is made of the statistics relating to character of ownership, size of enterprises, and similar subjects, it is imperative that due attention be given their limitations, particularly in connection with any attempt to show average wages, cost of production, or profits.

The enterprise.—The term "enterprise" represents one or more mines and quarries, wells or groups of wells, or natural-gas gasoline plants, all within the same state, operated under a common ownership or unified control, or for which only one set of books of account was kept, and for which a single report was secured. It may cover plants at several localities within the same state. If plants under unified control were not all located within the same state, separate reports were secured in order that statistics for the several enterprises thus defined might be included in statistics for the states in which they were located. The enterprise is further defined as being limited to a single industry.

Number of mines, quarries, wells, and plants.—Under these designations is given the number of mines, quarries, wells, and gasoline plants shown by the returns. As a rule each group of workings at a given locality in which operations were conducted as a unit or were unified by common management or joint handling of some part of the mining process, has been considered as a single mine or quarry. Many individual openings, therefore, are not counted as individual mines. The total number reported comprises those in operation or in the course of development during the year 1919. For petroleum and natural-gas wells the individual wells were counted and the total number productive December 31, 1919, is reported. The number of natural-gas gasoline plants is the total number reported in operation during the year.

Classification by industries.—The enterprises reported have been grouped by industries according to the kind of products.

Selected industries.—The detailed table gives the principal facts separately for the leading industries of the state.

Influence of increased prices.—In comparing figures for cost of supplies and materials and value of products with the corresponding figures for earlier censuses, account should be taken of the general increase in the prices of commodities during recent years.

Persons engaged in the industry.—The number of persons engaged in each industry, by occupation, sex, and, in the case of wage earners, also by age, was reported for a single representative day. In addition to the number of wage earners on the representative date, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported for the several months by 12.

Salaries and wages.—Under these heads are given the total payments during the year for salaries and wages, respectively.

Prevailing hours of labor.—This inquiry called merely for the prevailing practice followed in each enterprise. Occasional variations in hours from one part of the year to another were disregarded, and also where a few wage earners might have hours differing from the majority. All the wage earners of each enterprise are therefore counted in the class within which the enterprise falls.

Capital.—The instructions on the schedule relating to capital were as follows: "The answer should show the total amount of capital, owned and borrowed, invested by the operator in the enterprise on the last day of the business year reported. *Do not* include securities and loans representing investments in other enterprises." The reports received in respect to capital, however, have in so many cases been defective that the data compiled only indicate very general conditions.

Expenses.—The expenses reported in the census of 1919 include salaries and wages; the cost of supplies, materials, and fuels, including the freight on these; cost of power purchased; the cost of contract work; royalties and rents paid; and taxes paid or assessed. The census of 1909 reported in addition to the items of expenses covered by the present census all other items of expense incident to that year's business, except interest on indebtedness, dividends, and allowances for depreciation.

Supplies and materials, fuel, and power.—Statistics as to supplies and materials, fuel, and power, relate to the cost of these used during the year which may be more or less than the amount purchased during the year. The term "supplies and materials" covers mine, mill, quarry, and well supplies, and mineral purchased for treatment, resale, or distribution.

Royalties and rents.—The amounts given under this head represent the payment to fee holders or the value of share of product credited to fee holders for mineral output from leased land, and also rents paid for plants, equipment, and privileges or easements.

Taxes.—The taxes include Federal capital stock; corporation income, and excess profits tax; and also state, county, and local taxes. The data compiled in respect to Federal taxes are very defective as many mining corporations are engaged in other business and have sources of income other than from mining and do not pay taxes on mining separately.

Expenditures for development work.—In the statistics for producing enterprises that part of the expenses for salaries, wages, contract work, supplies and materials, fuel, and power credited to development work is shown as expenditures for development work. For nonproducing enterprises the total of these expenses is given as expenditure for development work.

Quantity of products.—In so far as the statistics on quantities of mineral products in 1919 are available for the states, they will be found in the reports of the United States Geological Survey.

Value of products.—The amounts given under this heading represent the selling value at point of production or f. o. b. at point of shipment, or such other value as may represent the net value or amount received for the 1919 product under the terms by which it was disposed of, and also includes the value at point of production of products used by the operating company.

Cost of mining and profits.—The data do not show entire cost of mining and well operations, and can not be used for the calculation of profits. No account was taken of depreciation or interest; rent of offices and buildings other than those for mines, quarries, and wells; insurance, selling, and other sundry expenses.

Lands controlled.—The inquiry on land tenure was confined to land pertaining to the operations covered by the report. In many of these, however, land held in reserve for future development and for other purposes not pertaining to mining was included and also a large number of more or less unsatisfactory estimates.

Power used.—The figures on power represent the rated capacity of the engines, motors, etc., and not the amount in actual daily use.

Fuel.—Statistics of fuel are shown only for anthracite and bituminous coal, coke, wood, oil, and gas. As only the principal varieties of fuel are shown, no comparison can be made with the total cost.

STATISTICS FOR THE STATE.

Indiana, which ranks thirty-seventh among the states in size (land area, 36,045 square miles) and eleventh in population (2,930,390 in 1920), ranked fourteenth in value of mineral products for 1919. The state ranked ninth in the total number of persons engaged in the mining industries and in the average number of wage earners employed.

The gross value of the products of all mines, quarries, and wells in Indiana in 1919 was \$52,840,252. Deducting from this amount a duplication of \$50,546 in the value of natural gas, which was sold by some producers and resold by others, leaves \$52,789,706 as the net value of products. This was an increase of 140.9 per cent over the corresponding figures for 1909.

Growth of the mining industries in Indiana is indicated by the increase in the total number of persons engaged and the number of wage earners employed as shown by Table 1, a comparative summary for 1919 and 1909. The large increases shown in the principal expenses of operation and value of products are due, in part, to general price increases and do not correctly indicate the growth of the industries. The decrease in the number of individual mines and quarries operated, which may be chiefly due to combinations and suspension of small operations, is not significant of decline in the mining and quarrying; but the large decrease in the number of wells clearly reflects the decrease in petroleum and natural-gas production in Indiana during the decade.

The mining and quarrying industries reported for 1919, ranked according to value of products, were bituminous coal, limestone, petroleum and natural gas, clay, and sandstone. In addition to the products indicated by the industry designations six coal enterprises reported production of clay and one clay enterprise, coal. The value of products stated include \$61,801, the value of these by-products and the amount received by some enterprises for power sold or miscellaneous services furnished to other enterprises.

In Table 2 the industries in the state which can be shown without the disclosure of individual operations are arranged in order of rank by value of products.

The three principal mineral industries, bituminous coal, limestone, and petroleum and natural gas, accounted for 99.8 per cent of the total value of mineral products of the state in 1919. Coal mining was the leading industry, reporting products valued at \$45,492,726, which was 86.1 per cent of the gross value of mineral products. Indiana ranked sixth among the states in value of products of coal mines for 1919. The coal-producing area of the state is part of the

Eastern Interior Coal Field which extends into Illinois and Kentucky and covers approximately 7,500 square miles in 22 counties in the southwestern part of Indiana, 18 of which reported production in 1919.

The limestone industry was second in importance in value of products in Indiana, and the state, with an output valued at \$4,619,801, ranked third in the United States in 1919 as a producer of limestone. The state owes its rank in this industry to the importance of the limestone enterprises in the Bedford-Bloomington district in Lawrence and Monroe Counties.

The petroleum and natural-gas industry was third in importance, with an output valued at \$2,604,395. The industry is located in two fields: The Lima-Indiana Field in east central Indiana, which extends into Ohio; and the southwestern Indiana field, which is continuous with the Illinois field. In the former field 22 counties in Indiana reported production in 1919, and in the latter field 7 counties.

The corporation is the prevailing form of organization among mining enterprises in Indiana. Table 3 shows that corporations constituted 62.8 per cent of all the enterprises, employed 96.7 per cent of the wage earners, and reported 95.6 per cent of the value of products. In the bituminous coal industry more than two-thirds of the enterprises were corporations and these reported more than 97 per cent of both wage earners and value of products. In the limestone and petroleum and natural-gas industries more than one-half the enterprises were of the corporate form and these reported more than nine-tenths of both value of products and number of wage earners in the limestone industry and more than two-thirds of both in the petroleum and natural-gas industry.

The relatively large number of small mining enterprises is brought out by Table 4. Of the 503 producing mining enterprises in the state 413, or 82 per cent of the total number, were in classes reporting no wage earners or fewer than 101, and the wage earners employed by these enterprises were only 26.1 per cent of the total number employed. The 90 enterprises employing more than 100 wage earners, though only 17.9 per cent of the total number, reported 73.8 per cent of all wage earners reported. The enterprises reporting more than 100 wage earners were all in the coal, limestone, and petroleum and natural-gas industries and formed only 28.4 per cent, 7.5 per cent, and 0.8 per cent, respectively, of the enterprises in these industries.

Table 5 shows that, for all the mining industries considered together, the prevailing hours of labor were 44 to 53 per week in a majority of the enterprises and

for more than 80 per cent of the wage earners. These proportions are also true in the coal industry, but for the limestone industry, 54 to 62 hours were reported for 78.8 per cent of the enterprises and for 62.1 per cent of the wage earners in the industry. In the petroleum and natural-gas industry the largest group of enterprises, 31.9 per cent, was also the class reporting 54 to 62 as the prevailing hours per week and this class reported more than half of the wage earners in the petroleum and natural-gas industry.

The statistics for wage earners given in Table 6, showing changes in the number employed from month to month, reflect conditions prevailing in the industries during the census year. The unusually low minimum in the coal industry, which affects the figures for all industries combined, is abnormal as to season and is due to the strike of November, 1919.

Table 7 presents for 1919 statistics in detail for the state as a whole and for each industry that can be shown without the disclosure of individual operations.

TABLE 1.—COMPARATIVE SUMMARY, PRODUCING ENTERPRISES: 1919 AND 1909.

	MINING INDUSTRIES.		Per cent of increase. ¹		MINING INDUSTRIES.		Per cent of increase. ¹
	1919	1909			1919	1909	
Number of enterprises.....	503	1,010	-50.2	Capital.....	\$63,198,281	\$59,764,947	5.7
Number of mines and quarries.....	398	480	-17.1	Principal expenses:			
Number of petroleum and natural-gas wells.....	2,456	10,373	-76.3	Salaries.....	4,078,279	1,101,821	270.2
Persons engaged.....	28,738	27,669	3.9	Wages.....	30,192,924	14,782,488	104.2
Proprietors and firm members, total.....	339	2,628	-87.1	Contract work.....	340,137	295,982	14.9
Number performing manual labor in or about the mines, quarries, and wells.....	164	181	-9.4	Supplies and materials.....	6,421,099	1,846,499	247.7
Salaried employees.....	1,648	1,105	49.1	Fuel and power.....	2,012,708	551,821	264.7
Wage earners (average number).....	26,751	23,930	11.8	Royalties and rents.....	939,696	595,274	57.9
Power used (horsepower).....	129,663	95,039	36.4	Taxes.....	1,590,853	176,369	802.0
				Value of products.....	52,840,252	21,934,201	140.9

¹ A minus sign (—) denotes decrease.

² Includes cost of natural gas purchased as material.

TABLE 2.—PRINCIPAL INDUSTRIES, PRODUCING ENTERPRISES, RANKED BY VALUE OF PRODUCTS: 1919.

INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.		INDUSTRY.	Number of enterprises.	WAGE EARNERS.		VALUE OF PRODUCTS.	
		Average number.	Per cent distribution.	Amount.	Per cent distribution.			Average number.	Per cent distribution.	Amount.	Per cent distribution.
All industries.....	503	26,751	100.0	\$52,840,252	100.0	Limestone.....	67	1,800	0.7	\$4,619,801	8.7
Coal, bituminous.....	295	24,479	91.5	45,492,726	86.1	Petroleum and natural gas.....	131	403	1.5	2,604,395	4.9
						All other industries ¹	10	69	0.3	123,330	0.2

¹ Includes enterprises in industries as follows: Clay, 9; sandstone, 1.

TABLE 3.—CHARACTER OF ORGANIZATION, FOR SELECTED INDUSTRIES, PRODUCING ENTERPRISES: 1919.

INDUSTRY AND CHARACTER OF ORGANIZATION.	Number of enterprises.	Number of wage earners.	VALUE OF PRODUCTS.		PER CENT DISTRIBUTION.		
			Total.	Per enterprise.	Enterprises.	Wage earners.	Value of products.
ALL INDUSTRIES.....	503	26,751	\$52,840,252	\$105,050	100.0	100.0	100.0
Corporation.....	316	25,869	50,531,018	159,908	62.8	96.7	95.6
Individual.....	100	895	753,594	7,536	19.9	1.5	1.4
Firm.....	80	442	982,785	12,285	15.9	1.7	1.9
Other.....	7	45	572,855	81,836	1.4	0.2	1.1
COAL, BITUMINOUS.....	295	24,479	45,492,726	154,213	100.0	100.0	100.0
Corporation.....	202	23,828	44,226,927	218,945	68.5	97.3	97.2
Individual.....	46	284	488,796	10,626	15.6	1.2	1.1
Firm ¹	47	367	777,003	16,532	15.9	1.5	1.7
LIMESTONE.....	67	1,800	4,619,801	68,952	100.0	100.0	100.0
Corporation.....	35	1,644	4,347,674	124,219	52.2	91.3	94.1
Individual.....	21	88	142,106	6,767	31.3	4.6	3.1
Firm.....	11	73	180,021	11,820	16.4	4.1	2.8
PETROLEUM AND NATURAL GAS.....	131	403	2,604,395	19,831	100.0	100.0	100.0
Corporation.....	71	334	1,841,627	25,938	54.2	82.9	70.7
Individual.....	31	22	114,152	3,682	23.7	5.5	4.4
Firm.....	23	19	192,973	8,390	17.6	4.7	7.4
Other.....	6	28	455,643	75,940	4.6	6.9	17.5

¹ Includes 1 other form of organization.

MINES AND QUARRIES—INDIANA.

TABLE 4.—SIZE OF PRODUCING ENTERPRISES, BY AVERAGE NUMBER OF WAGE EARNERS, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.		INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	ENTERPRISES.		WAGE EARNERS.	
	Number.	Per cent distrib- ution.	Number.	Per cent distrib- ution.		Number.	Per cent distrib- ution.	Number.	Per cent distrib- ution.
ALL INDUSTRIES.....	503	100.0	26,751	100.0	LIMESTONE.....	67	100.0	1,800	100.0
No wage earners.....	67	13.3			No wage earners.....	1	1.5		
1 to 5.....	159	31.6	410	1.5	1 to 5.....	24	35.8	56	3.1
6 to 20.....	80	15.9	884	3.3	6 to 20.....	24	35.8	240	13.3
21 to 50.....	56	11.1	1,878	7.0	21 to 50.....	9	13.4	260	14.4
51 to 100.....	51	10.1	3,828	14.3	51 to 100.....	4	6.0	252	14.0
101 to 500.....	88	17.1	16,462	61.5	101 to 500.....	5	7.5	992	55.1
501 to 1,000.....	3	0.6	1,816	6.8					
Over 1,000.....	1	0.2	1,473	5.5					
COAL, BITUMINOUS.....	205	100.0	24,479	100.0	PETROLEUM AND NATURAL GAS.....	131	100.0	403	100.0
No wage earners.....	7	2.4			No wage earners.....	59	45.0		
1 to 5.....	66	22.4	212	0.9	1 to 5.....	61	46.6	115	28.5
6 to 20.....	49	16.6	576	2.4	6 to 20.....	6	4.6	62	15.4
21 to 50.....	42	14.2	1,459	6.0	21 to 50.....	4	3.1	123	30.5
51 to 100.....	47	15.9	3,576	14.6	101 to 500.....	1	0.8	103	25.6
101 to 500.....	30	27.1	15,367	62.8					
501 to 1,000.....	3	1.0	1,816	7.4					
Over 1,000.....	1	0.3	1,473	6.0					

TABLE 5.—NUMBER OF PRODUCING ENTERPRISES AND AVERAGE NUMBER OF WAGE EARNERS, BY PREVAILING HOURS OF LABOR PER WEEK, FOR SELECTED INDUSTRIES: 1919.

INDUSTRY.	TOTAL.		NUMBER WHERE THE PREVAILING HOURS OF LABOR PER WEEK WERE—											
	Enter- prises.	Wage earners.	35 and under.		36 to 43.		44 to 53.		54 to 62.		63 to 71.		72 to 84.	
			Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.	Enter- prises.	Wage earners.
All industries.....	1,436	26,751	43	3,261	20	339	269	21,667	83	1,376	13	53	8	55
Coal, bituminous.....	288	24,479	37	3,253	15	330	234	20,890	2	6				
Limestone.....	66	1,800					14	632	52	1,118				
Petroleum and natural gas.....	72	403	6	8	5	9	18	53	23	229	12	49	8	55
All other industries.....	10	69					3	42	6	23	1	4		

¹ Exclusive of 67 enterprises employing no wage earners in industries as follows: Coal, bituminous, 7; limestone, 1; petroleum and natural gas, 59.

TABLE 6.—WAGE EARNERS, BY MONTHS, FOR SELECTED INDUSTRIES: 1919.

[The month of maximum employment for each industry is indicated by bold-faced figures and that of minimum employment by *italic* figures.]

INDUSTRY.	Average num- ber em- ployed during year.	NUMBER EMPLOYED ON 15TH DAY OF THE MONTH OF NEAREST REPRESENTATIVE DAY.												Per cent mini- mum is of maxi- mum.
		Janu- ary.	Febru- ary.	March.	April.	May.	June.	July.	August.	Sep- tember.	Octo- ber.	Novem- ber.	Decem- ber.	
All industries.....	26,751	20,961	28,209	26,039	25,837	27,074	26,875	28,145	29,434	30,907	31,544	5,818	30,269	18.4
Coal, bituminous.....	24,479	28,559	26,813	25,389	23,831	24,808	24,355	25,403	26,518	28,051	28,871	5,360	27,790	11.6
Limestone.....	1,800	940	<i>815</i>	1,107	1,583	1,817	2,046	2,249	2,419	2,363	2,170	1,989	2,002	37.8
Petroleum and natural gas.....	403	401	431	392	370	387	394	415	408	405	412	408	413	85.8
All other industries.....	69	61	60	51	53	62	80	78	89	88	91	61	64	54.9

MINES AND QUARRIES—INDIANA.

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TABLE 7.—DETAILED STATISTICS FOR MINING INDUSTRIES: 1919.

	PRODUCING ENTERPRISES.				
	Total.	Coal, bituminous.	Limestone.	Petroleum and natural gas.	All other. ¹
Number of enterprises.....	503	295	67	131	10
Number of mines and quarries.....	398	317	71		10
Number of petroleum and natural-gas wells.....	2,456			2,456	
Capital.....	\$83,198,281	\$45,996,383	\$7,156,592	\$9,890,964	\$154,342
Principal expenses:					
Salaries and wages—					
Officers.....	\$1,792,076	\$1,571,256	\$177,281	\$42,016	\$1,524
Superintendents.....	\$1,255,650	\$996,844	\$174,440	\$79,066	\$5,800
Technical employees.....	\$108,527	\$130,923	\$23,025	\$5,828	\$1,751
Clerks, etc.....	\$302,026	\$685,116	\$142,052	\$34,790	\$68
Wage earners.....	\$30,192,924	\$27,877,069	\$1,767,036	\$475,788	\$71,831
Supplies and materials.....	\$0,370,553	\$5,379,400	\$700,469	\$271,975	\$18,709
Cost of natural gas purchased as material and resold.....	\$50,548			\$50,548	
Fuel.....	\$1,737,000	\$1,455,123	\$214,987	\$01,296	\$5,084
Power.....	\$275,016	\$150,140	\$112,222	\$4,243	
Royalties and rents.....	\$639,009	\$562,205	\$31,974	\$344,034	\$1,393
Taxes.....	\$1,590,853	\$1,437,558	\$86,274	\$56,590	\$422
Contract work.....	\$340,187	\$103,826	\$7,472	\$213,536	\$15,353
Expenditures for development (included in the above items)...	\$2,111,492	\$1,534,258	\$127,979	\$449,255	
Value of products.....	\$52,840,252	\$45,492,723	\$4,619,801	\$2,604,395	\$123,330
Persons engaged in industry.....	28,738	25,911	2,106	644	77
Proprietors and firm members (total).....	339	170	44	123	2
Number performing manual labor.....	164	116	22	25	1
Salaried officers.....	371	293	44	23	1
Superintendents and officers.....	535	421	65	45	4
Technical employees.....	93	79	10	3	1
Clerks, etc.....	649	464	143	42	
Wage earners (average number).....	26,751	24,479	1,800	408	69
Wage earners, by occupation (Dec. 15):					
Above ground (total).....	6,934	3,943	2,481	422	88
Below ground (total).....	25,623	25,617			6
Foremen, shift bosses, etc.—					
Above ground.....	338	249	83		6
Below ground.....	474	473			1
Engineers, hoistmen, electricians, mechanics, etc.—					
Above ground.....	2,051	1,406	340	294	11
Below ground.....	881	881			
Miners, quarrymen, and drillmen, including their help- ers—					
Above ground.....	962	193	703		66
Below ground.....	14,191	14,189			2
Timbermen, trackmen, and men engaged in hauling, tramping, etc.—					
Above ground.....	586	533	52		1
Below ground.....	5,584	5,531			3
Muckers, loaders, laborers, and others not classified—					
Above ground.....	2,363	1,552	631	128	2
Below ground.....	4,493	4,493			
Wage earners employed in mills and beneficiating plants—					
Above ground.....	634	10	622		2
Number of females included in wage earners reported above—					
Above ground.....	4	3	1		
Mineral and oil land operated..... acres..	266,988	176,200	4,825	85,319	644
Land controlled, total..... acres..	280,513	189,594	4,831	85,319	769
Mineral and oil land owned.....	119,263	106,763	4,128	8,104	268
Mineral and oil land leased.....	151,036	72,748	697	77,215	376
Timber and other lands owned and leased.....	10,214	10,083	6		125
Power used: Aggregate horsepower.....	129,663	99,535	21,642	7,669	767
Prime movers (horsepower, total).....	100,632	81,158	11,161	7,546	767
Steam engines—					
Number.....	893	678	142	65	13
Horsepower.....	92,120	78,912	10,836	1,605	767
Steam turbines—					
Number.....	16	15	1		
Horsepower.....	2,052	1,902	160		
Internal-combustion engines—					
Number.....	349	64	11	274	
Horsepower.....	6,460	344	175	5,941	
Purchased power (horsepower, total).....	29,031	18,427	10,481	123	
Electric motors operated by purchased current—					
Number.....	785	407	359	19	
Horsepower.....	29,031	18,427	10,481	123	
Electric motors run by current generated by enterprise using:					
Number.....	875	817	58		
Horsepower.....	43,102	41,890	1,212		
Fuel used: ²					
Coal, anthracite..... tons, 2,240 pounds..	1,366		1,366		
Coal, bituminous..... tons, 2,000 pounds..	780,153	705,031	64,798	7,799	2,525
Fuel oils..... barrels..	678			678	
Gasoline and other volatile oils..... barrels..	1,529	1,037	342	150	
Natural gas..... 1,000 cubic feet..	329,788			329,788	

¹ Includes enterprises as follows: Clay, 9; sandstone, 1.² Includes 2 wage earners under 16 years of age reported by 1 enterprise.³ Exclusive of 10 tons of coke in the limestone industry.



OUTLINE OF CENSUS WORK.

POPULATION AND SOCIAL STATISTICS.

POPULATION.

General Census (decennial).—Total population of states, counties, cities, and other incorporated places, wards of cities, and minor civil divisions; race; sex; age; marital condition; state of birth of native population; country of birth; country of origin and mother tongue of foreign white stock (comprises foreign-born white and native white of foreign or mixed parentage); year of immigration; citizenship; school attendance; illiteracy; inability to speak English; dwellings and families; ownership of homes. Occupations: Persons 10 years of age and over gainfully occupied, by sex, race, and age, and for women occupied, by marital condition.

Special Classes (decennial).—Prisoners and juvenile delinquents; insane in hospitals; feeble-minded and epileptics in institutions; paupers in almshouses; deaf and blind: Gives number on a given day and number admitted, discharged, or dying during one year, or six months; classifications by sex, race, nativity, age, marital condition, and offense and sentence in case of prisoners; form and duration of insanity in case of the insane; physical or mental defects in case of paupers; cause of blindness or deafness and age at occurrence in case of the blind or deaf, etc.

Benevolent Institutions (decennial).—Includes institutions and societies for the care or protection of children; institutional homes for adults or for adults and children; hospitals and sanatoriums; and dispensaries: Gives, for each institution, number of inmates present on a given day; admissions, discharges, and deaths during a given period; value of property and payments and receipts, for hospitals, sanatoriums, and dispensaries.

Religious Bodies (decennial).—Shows, for each sect or denomination, number of church organizations and church edifices, church membership, church property and debt, value of parsonages, salaries of ministers, expenditures, number of Sunday schools and scholars, and history, doctrine, polity, and work.

Marriage and Divorce (annual).—Number of marriages and divorces in given year; divorces classified by place of marriage, years married, whether husband or wife was libellant, whether case was contested, cause of divorce, number of children affected if any, whether alimony was granted, and residence of libellees.

Special Censuses and Estimates of Population.—Special censuses on request of local officials and at local expense. Estimates of population for states, counties, and cities, by color, sex, age groups, and marital condition.

VITAL STATISTICS.

Births and Deaths (annual).—Births, classified by sex; month of occurrence; age, race, and nativity of parents, etc. Deaths, classified by cause, sex, age, nativity, etc.

Life Tables (decennial).—Expectation of life, etc.

PUBLIC FINANCE.

Financial Statistics of States and Cities (annual).—Total and per capita receipts from all sources of revenue; total and per capita payments for expenses, interest, and outlays; total and per capita indebtedness; assessed valuation of property, basis of assessment, rates of levy, and amount of taxes levied.

Wealth, Public Debt, and Taxation (decennial).—Estimate of total national wealth; tax valuation, public revenues, and public debt for states, counties, cities, etc.; digest of state tax laws.

OFFICIAL REGISTER.

Directory of persons in the service of the United States, excluding persons in the Army and Navy, temporary employees, and employees in the Postal Service (biennial).

COMMERCIAL AND INDUSTRIAL STATISTICS.

MANUFACTURES AND MINING.

Manufactures (decennial).—Number of manufacturing establishments; character of organization; character of business or kinds of goods manufactured; capital; number of proprietors, firm members, copartners, officers, and salaried employees; number of wage earners; aggregate amounts of salaries and wages; quantities and cost of materials; principal miscellaneous expenses; quantities and value of products; time in operation during the year; kind and quantity of power used; kind and quantity of fuel used; kind and number of machines employed.

Manufactures (biennial).—Similar in scope to decennial inquiry, but statistics are presented in less detail; no data regarding power, sex and age distribution of employees, and principal miscellaneous expenses.

Forest Products (annual).—Data concerning the production of lumber, lath, shingles, and wood pulp, and the consumption of pulp wood.

Mines and Quarries (decennial).—Information corresponding to that shown for manufactures, as described above.

AGRICULTURE, IRRIGATION, AND DRAINAGE.

Agriculture (decennial).—Farm operators, by color, sex, age, and country of birth; farm tenure; farm acreage; farm values; farm mortgages; selected farm expenses; farm facilities; implements and machinery; number of live stock on farms, ranges, and elsewhere; acreage and quantities of crops and quantities of other farm products; acreage of merchantable timber and value of forest products on farms; nurseries and greenhouses, etc.

Agriculture (quinquennial).—Acreage of farm land and principal crops; number and value of domestic animals.

Irrigation (decennial).—Cost and character of enterprise; number of wells and pumping plants; number and capacity of reservoirs; length of ditches; acreage under irrigation; quantity and cost of water used; yield and value of crops grown, etc.

Drainage (decennial).—Cost and character of enterprise; type of drainage and acreage drained; assessments and cost of maintenance; crops grown, etc.

COMMERCE, CURRENT PRODUCTION, AND BUSINESS CONDITIONS.

Survey of Current Business.—Publishes monthly the important current statistics on domestic industrial and commercial movements. Figures are gathered from numerous trade associations, private organizations, technical journals, and government departments, federal, state, and foreign, which cooperate with the bureau by furnishing their data for this publication. Monthly figures are given on over 1,000 business movements.

Statistics of Current Production, Stocks, and Consumption.—Semimonthly, monthly, or quarterly statistics of production, stocks, and consumption, covering various key commodities, such as cotton; hides, skins, and leather; boots and shoes; clothing; hosiery; wool consumption and stocks; tobacco; sugar, etc.

Electrical Industries.—Quinquennial census of electric railways, telegraphs and telephones, and central electric light and power stations.

Transportation by Water.—Decennial inquiry giving number, class, tonnage, and value of vessels; amount of freight and number of passengers carried, etc.

MORTGAGE INDEBTEDNESS ON FARMS AND HOMES.

Value of mortgaged home or farm; amount of mortgage debt; interest payments (decennial).

FOURTEENTH CENSUS (1920) PUBLICATIONS

The volumes, numbered I to XI (comprising 12,000 pages), constituting the complete reports of the census, listed below, were issued in limited editions, and are not available for free distribution, but sets and volumes are for sale by the Superintendent of Documents, Washington. The following list gives the title or description of each of the reports and bulletins issued in connection with the Fourteenth Census:

FINAL REPORTS OF FOURTEENTH CENSUS.

POPULATION:

- Vol. I.—Number and distribution of inhabitants.** 695 p.
This volume was made up principally of the material which appeared in the first series of population bulletins for states and outlying possessions. The statistics shown are given in the next column. Four sections of this volume were reprinted. The titles are listed below.
- Vol. II.—General report and analytical tables.** 1410 p.
Each chapter of this volume was printed as a separate. The titles are given below.
- Vol. III.—Composition and characteristics of the population, by states.** 1,253 p.
This volume was made up of the bulletins in the second series of population bulletins, and the United States summary, showing the composition and characteristics of the population. The statistics shown in these bulletins are given in the next column.
- Vol. IV.—Occupations.** 1,309 p.
Each chapter of this volume was printed as a separate. The titles are listed below.

AGRICULTURE:

- Vol. V.—General report and analytical tables.** 935 p.
Each chapter of this volume was printed as a separate. The titles are listed below.
- Vol. VI.—Reports for states, with statistics for counties.**
Part I.—The Northern States. 765 p.
Part 2.—The Southern States. 740 p.
Part 3.—The Western States and the Outlying Possessions. 422 p.
- Vol. VII.—Irrigation and Drainage.—General report and analytical tables and reports for states, with statistics for counties.** 741 p.
The subjects covered by this volume were treated independently and the volume is made up largely of the irrigation and drainage state bulletins and the United States summary on each subject. The statistics shown are given in the next column. The two parts of the volume were also printed as separate.

MANUFACTURES:

- Vol. VIII.—General report and analytical tables.** 543 p.
There are 8 sections and 4 appendices in this volume. The sections were reprinted in whole or in part as separate. The subjects are shown in the next column.
- Vol. IX.—Reports for states, with statistics for counties and principal cities.** 1,094 p.
This volume was made up of the material printed in the state series of manufactures bulletins. The statistics are shown in the next column.
- Vol. X.—Reports for selected industries.** 1,059 p.
This volume was made up of the 50 separately printed industry bulletins and the bulletin on Forest Products, which combined the 8 bulletins on Forest Products and a summary of the lumber industry. The titles are given under the heading "Manufactures, industry bulletins," and "Forest products."

MINING:

- Vol. XI.—Mines and Quarries.—General report and analytical tables, and reports for states and selected industries.** 443 p.
This volume was made up of the United States summary, the 40 state bulletins, and the 7 industry bulletins, the titles of which are given in the third column.

REPRINTS OF CHAPTERS OF FINAL REPORTS.

- Vol. I. Number and distribution of inhabitants.**—Four sections of this volume were reprinted as separate. The titles of the sections are as follows:
I. Number and distribution of inhabitants. 82 p.
II. Population of counties. 87 p.
III. Incorporated places. 147 p.
IV. Population of outlying possessions. 14 p.
- Vol. II. General report and analytical tables.**—Each chapter of this volume was reprinted as a separate. The titles are as follows:
I. Color or race, nativity, and percentage. 88 p.
II. Sex distribution. 41 p.
III. Age distribution. 208 p.
IV. Marital condition. 224 p.
V. Rate of birth of the native population. 80 p.
VI. Country of birth of the foreign-born. 90 p.
VII. Year of immigration of the foreign-born. 23 p.
VIII. Citizenship of the foreign-born. 91 p.
IX. Country of origin of the foreign white. 78 p.
X. Mother tongue of the foreign white. 72 p.
XI. School attendance. 104 p.
XII. Illiteracy. 104 p.
XIII. Inability to speak English. 16 p.
XIV. Dwellings and families. 14 p.
XV. Ownership of homes. 47 p.
- Vol. III. General statistics of population, by counties.** 47 p.
- Vol. IV. Occupations.**—Each chapter of this volume was reprinted as a separate. The titles are as follows:
I. Enumeration and classification of occupations. 24 p.
II. Number and sex of occupied persons. 305 p.
III. Color or race, nativity, and percentage of occupied persons. 36 p.
IV. Age of occupied persons. 100 p.
V. Children in gainful occupations. 216 p.
VI. Marital condition of occupied women. 182 p.
VII. Male and female in selected occupations. 387 p.
VIII. Occupation statistics for Alaska, Hawaii, and Porto Rico. 52 p.
- Vol. V. General report and analytical tables.**—Each chapter of this volume was reprinted as a separate. The titles are as follows:
I. Farms and farm property. 42 p.
II. Size of farms. 56 p.
III. Farm tenure. 56 p.
IV. Color and tenure. 105 p.
V. Race, nativity, and sex. 55 p.
VI. Age, occupation, and farm experience. 130 p.
VII. Farm mortgages. 23 p.
VIII. Farm expenses, cooperation, and farm facilities. 14 p.
IX. Live stock on farms and elsewhere. 132 p.
X. Live stock products. 49 p.
XI. Summary of all crops. 20 p.
XII. Individual crops. 151 p.
XIII. Forest products of farms, nurseries, and greenhouses. 10 p.
XIV. Farm population. 31 p.

Vol. VII.—Irrigation and Drainage. The two subjects covered by this volume were reprinted as separate.
Irrigation. 840 p. Drainage. 388 p.

Vol. VIII.—General report and analytical tables. The following subjects in this volume have been reprinted as separate:

General statistics: Persons engaged; Hours of labor; Size of establishments; Character of ownership; Power; Fuel; Groups of industries; State, county, and city statistics.

Vol. X.—Reports for selected industries. This volume was made up of the special industry bulletins. The following sections were reprinted as separate:
Chemicals. 192 p. Forest products. 84 p.
Textiles. 184 p.

ABSTRACTS OF FOURTEENTH CENSUS.

Abstract of the Census, 1920, a volume of 1,300 octavo pages, contains the principal census statistics for the United States as a whole, for each state, and for principal cities. The statistics are printed under the following general headings:

Population. Agriculture. Manufactures.
Occupations. Irrigation. Mines and Quarries.
Drainage.

Abstract of Manufactures, 1919.—This volume (750 p., octavo) gives in condensed form the statistics for 1919 and comparisons with previous censuses.

STATE AND INDUSTRY BULLETINS.

The state bulletins give, for each state, detailed results of the census for the main branches of population, agriculture, irrigation, drainage, manufactures, and mining. These fall into several series, as follows:

POPULATION:

- First series.**—Number of inhabitants, by counties and minor civil divisions. The contents of this series (which includes Alaska, Hawaii, and Porto Rico), and some additional information, was printed in Vol. I of the final reports.
- Second series.**—Composition and characteristics of the population: Color or race, nativity, percentage, sex, age, school attendance, illiteracy, dwellings and families, citizenship, and country of birth of the foreign-born white, by counties, cities having 2,500 or more inhabitants, and for wards of cities of more than 50,000 inhabitants. The contents of this series (which includes Alaska, Hawaii, Porto Rico, Guam, American Samoa, and Panama Canal Zone) was printed as Vol. III of the final reports.

AGRICULTURE:

Shows for each state and for each county the number of farms, acreage, and value of farms by size, tenure, sex, race, and nativity of farmer; farm mortgages; expenditures for labor, fertilizer, and feed; live stock on farms and elsewhere; live-stock products; and crops. The contents of these bulletins were printed in Vol. VI of the final reports.

IRRIGATION:

Gives general climatic conditions, with statistics of water supply for irrigation; farms and acreage irrigated, by character of enterprise, water rights, and by drainage basin; capital invested; and cost of operation and maintenance; drainage of irrigated land; quantity of water used; and irrigation works and crops irrigated. Bulletins were issued for the following states: Arizona, Arkansas, California, Colorado, Idaho, Kansas, Louisiana, Montana, Nebraska, New Mexico, North Dakota, Oklahoma, Oregon, South Dakota, Texas, Utah, Washington, and Wyoming. The contents of these bulletins were printed in Vol. VII of the final reports.

DRAINAGE:

Statistics are given for drainage on farms, by detail of drainage enterprises, including operating and nonoperating; location, condition, size, and character; drainage works, including maintenance of works and date of organization and character of crops. Bulletins were issued for the following states: Arkansas, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kansas, Kentucky, Louisiana, Michigan, Minnesota, Mississippi, Missouri, Montana, Nebraska, North Carolina, North Dakota, Ohio, South Carolina, South Dakota, Tennessee, Texas, Utah, Washington, Wisconsin, and Wyoming. The contents of these bulletins were printed in Vol. VII of the final reports.

MANUFACTURES:

State bulletins.—Give general statistics for the manufacturing industries of the state, showing principal industries ranked by value of products, persons engaged, wage earners, size of establishments, character of ownership, principal industries of cities, character of power used, and fuel consumed. In addition, special statistics for the principal industries of each state are given, and two general tables present a comparative summary for selected industries and for cities, and a detailed statement of all industries combined and specified industries. The contents of these bulletins were printed in Vol. IX of the final reports.

Industry bulletins.—Give in detail for each of the principal industries of the United States the same information as is shown in the state bulletins for the manufacturing industries of each state as a whole. The contents of the bulletins were printed in Vol. X of the final reports. The subjects of these bulletins were as follows:

Agricultural implements. 12 p.
Ammunition, firearms; ordnance and accessories. 10 p.
Automobiles, including bodies and parts. 19 p.
Brass, bronze, and copper products. 11 p.
Butter, cheese, and condensed milk. 21 p.
Buttons. 9 p.
Canning and preserving. 25 p.
Carriages and wagons and materials. 15 p.
Cast-iron pipe. 8 p.
Chemicals and allied industries. 66 p.
Chocolate and cocoa products; confectionery, ice cream. 19 p.
Clay products industries. 41 p.
Cordage and twine, jute goods, and linen goods; fur-felt hats; dyeing and finishing textiles; flax and hemp, dressed; haircloth; and mats and matting. 27 p.
Cotton manufactures. 35 p.
Druggists' preparations, patent medicines and compounds, and perfumery and cosmetics. 18 p.
Dyestuffs and extracts, natural. 9 p.
Electrical machinery, apparatus and supplies. 15 p.
Engines, locomotives, and aircraft. 15 p.

MANUFACTURES—Continued.

Industry bulletins—Continued.
Essential oils. 7 p.
Explosives. 8 p.
Fertilizers. 12 p.
Flour-mill and gristmill products. 20 p.
Gas, manufactured. 11 p.
Glass manufactures. 11 p.
Glucose and starch. 8 p.
Ice, manufactured. 15 p.
Iron and steel. 63 p.
Knit goods. 28 p.
Leather industry. 61 p.
Machinery, textile machinery, and machine tools. 20 p.
Microscopes, bicycles, and parts. 8 p.
Musical instruments. 28 p.
Needles and pins, hooks and eyes. 8 p.
Oleoth and linoleum. 9 p.
Paint and varnish, linseed oil, and bone, carbon, and lamp black. 22 p.
Paper and wood pulp. 15 p.
Petroleum, refining. 11 p.
Power laundries and dyeing and cleaning. 37 p.
Printing and publishing. 37 p.
Rice, cleaning and polishing. 8 p.
Rubber industry. 16 p.
Sawbuilding, including boat building. 21 p.
Silk manufactures. 19 p.
Slaughtering and meat packing. 19 p.
Smelting and refining. 11 p.
Soap industry. 11 p.
Steam and electric cars, and railroad repair shops. 21 p.
Saw industry. 14 p.
Wood distillation. 9 p.
Wool manufactures. 47 p.

MINING:

The bulletins in the state series give statistics of mines and quarries, and petroleum and natural gas, showing the relative magnitude of the different branches of the industry covered and their growth or decline for the states and for principal industries. Fourteen bulletins were issued covering 46 states (including Alaska). No reports were issued for Delaware, District of Columbia, Mississippi, or Nebraska. These bulletins were reprinted in Vol. XI of the final reports. The following industry bulletins were also printed as separate and reprinted in Vol. XI:

Coal. 53 p. Iron ore. 25 p.
Gold, silver, copper. Petroleum, natural gas. 81 p.
Lead, zinc. 35 p. Phosphate rock. 10 p.
Gypsum. 10 p. Stone. 81 p.

FOREST PRODUCTS:

These bulletins were reprinted in Vol. X of the final volumes. The titles were as follows:

Lumber, lath, and shingles. 24 p.
Pulp-wood consumption and pulp-wood production. 10 p.
Pulp-wood cooperation stock. 8 p.
Turpentine and rosin. 10 p.
Forest products consumed in the manufacture of veneers, dyestuffs and extracts, and in tanning and wood distillation. 10 p.

MISCELLANEOUS BULLETINS.

Besides the state and industry bulletins, which are designed for more general distribution, there have been issued the following bulletins regarding selected topics:

POPULATION:

Composition and characteristics of the population, for the United States. 42 p.
Total population, by states, counties, and cities. 81 p.
Population of cities having 25,000 or more: 1920, 1910, and 1900. 8 p.
Population of cities, towns, villages, and boroughs having from 10,000 to 25,000: 1920, 1910, and 1900. 10 p.
Population of cities, towns, villages, and boroughs having from 5,000 to 10,000: 1920, 1910, and 1900. 16 p.
Population of places of 2,500 to 5,000: 1920. 8 p.
Centers of population, agriculture, etc. 41 p.

OCCUPATIONS:

Abstract of occupation statistics. 97 p.
Alphabetical index to occupations. 1920. 478 p.
Classified index to occupations. 1920. 178 p.
Comparative statistics for United States. 11 p.
Occupations of children. 14 p.

AGRICULTURE:

Summary for United States: 1919 and 1920. 76 p.
Number of farms, by states and counties: 1920, 1910, and 1900. 26 p. (Preliminary figures for 1920.)
Farm census of the United States: 1919 and 1920. 15 p.
Farm animals (octavo). 65 p.
Farm vegetables (octavo). 75 p.
Irrigation: 1919 and 1920, United States. 38 p.
Drainage: 1920, United States. 16 p.

MANUFACTURES:

United States, by industries and divisions and states. 71 p.

MINES AND QUARRIES:

Summary for the United States. 47 p.

STATE COMPENDIUMS.

The material in the compendium embraces for each state all of the census results published concerning the state, its counties, cities, and other civil divisions.

CENSUS MONOGRAPHS.

This is a new series of census publications designed to interpret adequately, in somewhat popular form, some of the more important subjects covered by census inquiries. The series will cover the following subjects:

Increase of population in the United States: 1910-1920.
Immigrants and their children.
Women in gainful occupations.
Children in gainful occupations.
School attendance.
Marital condition of the population.
Farm population.
Homes not on farms, tenure and mortgage debt.
Farm mortgages.
Farm tenancy.
Recent growth of manufactures.
Wages in manufacturing industries.
Fluctuation in number of wage earners.
Integration and specialization of industry.
Recent growth of mining industries.