

FIRST ANNUAL REPORT  
OF THE  
DEPARTMENT  
OF  
STATISTICS AND GEOLOGY  
OF THE  
STATE OF INDIANA

1879.

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TO THE GOVERNOR.

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INDIANAPOLIS:  
DOUGLASS & CARLON, PRINTERS AND BINDERS.  
1880.

# ROSTER OF THE BUREAU.

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JOHN COLLETT,

CHIEF OF BUREAU.

JOHN T. CAMPBELL,

FIRST ASSISTANT.

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## *CLERICAL ASSISTANTS.*

T. A. LLOYD,

M. E. PALMER,

C. E. SMITH,

H. B. DAVIS,

L. W. HETSELGESSER,

T. G. WOOLEN.

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## *ASSISTANTS ON SPECIAL DUTY.*

JOHN N. HURTY, CHEMIST.

GEO. K. GREEN, GEOLOGIST.

Crops of corn \*(maize) range from 10 to 120 bushels per acre, according to cultivation and management—averaging over 30 bushels per acre. On fair fields corn is often raised by contract at 12 cents per bushel delivered in granaries, the contractor bearing all expense and work; net profits of crop from \$7.00 to \$10.00 per acre.

The current year (1879) wheat \*ranges from 5 to 64 78-100 bushels per acre, averaging over 17 bushels per acre. Expenses for labor, seed, implements, harvesting (with self-binding reaper, now common), and threshing, \$6 to \$8.50 per acre; net profit about \$7 per acre.

Crops of oats\* range from 10 to 90 bushels, averaging in southern counties 20 and in northern 40 bushels. Cost of seeding, harvesting and threshing, \$4 to \$6; net profits from \$3 to \$5 per acre. Meadows produce from 1 to 2½ tons of hay per acre; average 1½ tons. Cost of mowing, care and stacking less than \$1 per ton; profit from \$4 to \$8, according to locality of market.

Other crops, as potatoes, turnips, sugar corn, sorghum, buckwheat, rye, clover, etc., give good returns.

Apples, pears, peaches, grapes and the small fruits and berries are the home production of almost every farm, and so commonly abundant and cheap that none but an expert can afford to cultivate them for market sale.

Timber is too abundant; not more than one-half the tillable soil has been reduced to culture, according to assessors' returns.

The Indiana coal fields embrace an area of over 6,500 square miles, offering seven workable seams at a depth ranging from 50 to 220 feet, and averaging 80 feet below the surface; the seams vary in thickness from 2½ to 11 feet, averaging 4½ feet. The quality is

\* NOTE.—Crops of 1879 as deduced from the reports of 627 Township Trustees (see table post), give the following average products for the State:

KIND OF GRAIN.	Acres Planted.	Bushels.	Bushels per Acre.
Wheat.....	2,578,710	44,753,208	17.35
Corn.....	3,837,853	115,575,888	30.11
Oats.....	861,282	19,445,043	22.58

fair to good, as shown by analyses in the Geological Reports; an area of 600 square miles in this field yields a superior block or "splint" coal, which is used in the blast furnace as it comes from the mine without coking. Our block coal is rich in carbon and remarkably free from sulphur and phosphorus, and well adapted to the preparation of Bessemer steel, etc. The abundance of coal and ease of access cheapen this fuel. It may be had on every line of railway at from 5 to 10 cents per bushel, or at from \$1.50 to \$2.80 per ton.

Indiana has inexhaustible beds of fire and potter's clay, brick clay, cement, lime, sandstone, paving stone and limestone of superior quality, with extensive mines of kaolin.

The State is traversed in every direction by a system of railways 4,819.17 miles in length, which, with the steamers on the Northern lakes and the Ohio river on the south furnish cheap and rapid communication. Many of the common roads are graveled or piked.

Indiana has a larger school fund than any State in the world in proportion to population, and schools and intelligence are the safeguard of a free people. Her school fund, school-houses, public buildings, bridges, roads and highways, churches, etc., have been built or constructed by taxation or donation. They constitute an immense commonwealth of accumulated capital, in which every new comer after a residence of six months, has a share. In some counties this fund amounts, as will be seen by the tables that follow, to a handsome sum to each acre of land, so that every person securing a farm with us, buys with his land an interest in this COMMONWEALTH.

In the newer regions of the west and south such public accumulations and improvements are yet to be made; they must be paid for by taxation, and our lands are cheaper from this point of view than farms in less favored regions as a gift.

In recapitulation, Indiana invites farmers to her rich soil, one-half of which is untilled. She has unoccupied fields of enterprise for more.

Many branches of agriculture are neglected, as dairying and cheese making, hop growing, gathering of clover and other seeds, and sheep husbandry.

To the manufacturer and mechanic, she offers cheap, healthy homes, cheap food and clothing, cheap fuel, and a good market.

TABLE No. II.—Continued.

COUNTIES.	Acres of Pasture Land and Meadow.	Bushels of Barley.	Bushels of Potatoes.	Bushels of Grass and Clover Seed.	Bushels of Flax Seed.	Bushels of Fruit.	Tons of Hemp.	Tons of Coal Mined.	Bushels of Coal.	Bushels of Lime.	Pounds of Beef.	Pounds of Bacon.	Pounds of Pork.	Pounds of Lard.
Adams.....	24,729	168	20,044	1,762	9,230	37,750	5	.....	.....	.....	44,100	319,712	401,165	71,912
Allen.....	89,119	650	75,571	3,475	21,871	223,577	.....	.....	5,000	.....	65,628	1,374,566	1,374,408	178,077
Bartholomew.....	39,510	4,375	28,115	6,70	9,95	28,672	.....	.....	.....	.....	6,350	502,458	389,435	389,199
Benton.....	42,236	140	9,071	3,313	.....	.....	.....	.....	.....	.....	3,150	177,190	33,566	33,566
Blackford.....	27,701	.....	4,501	82	5,251	.....	.....	.....	.....	.....	.....	112,953	3,690	46,791
Boone.....	48,137	3,511	33,762	205	865	50,459	.....	.....	.....	.....	9,560	524,200	335,737	180,541
Brown.....	14,603	.....	21,447	.....	.....	.....	.....	.....	.....	.....	.....	170,794	400,125	50,845
Carroll.....	49,485	1,185	35,264	950	11,475	42,026	.....	.....	.....	.....	.....	365,985	801,428	209,784
Cass.....	38,208	736	51,884	464	6,032	42,982	.....	.....	.....	.....	56,480	543,174	530,093	162,425
Clark.....	51,332	230	47,807	21	237	75,766	.....	.....	.....	.....	25,690	638,550	321,600	128,980
Clay.....	41,429	312	21,180	1,035	5	34	.....	.....	.....	.....	4,400	377,695	108,410	74,785
Clinton.....	53,143	247	28,680	823	19,992	16,204	.....	.....	.....	.....	650	489,719	248,165	144,924
Crawford.....	14,370	40	6,230	.....	.....	7,645	.....	.....	.....	.....	.....	151,394	242,183	13,410
Davess.....	40,512	64	12,298	1,003	9,979	5,206	1	149,034	.....	20	1,450	495,397	236,655	102,841
Dearborn.....	59,590	47,841	47,393	.....	12	29,460	.....	.....	.....	6,101	4,952	224,601	216,960	59,679
Decatur.....	70,468	3,195	24,054	780	1,450	16,589	.....	.....	.....	25	11,106	188,918	375,348	118,413
DeKalb.....	37,717	276	39,816	5,642	2	121,691	.....	.....	.....	.....	.....	17,117	1,096,223	9,536
Delaware.....	4,358	226	33,739	709	35,774	15,170	2	.....	.....	1,000	.....	275,565	303,196	182,670
Dubuois.....	17,715	2,567	26,418	531	9	6,031	73	15	.....	.....	18,950	474,961	754,340	57,651
Elkhart.....	60,851	.....	61,317	3,697	268	175,753	.....	.....	.....	.....	277,050	170,780	504,775	347,260
Fayette.....	33,649	965	29,875	1,579	9,854	12,905	.....	.....	.....	500	.....	78,215	195,300	67,200
Floyd.....	8,700	310	17,139	.....	.....	553	.....	.....	.....	.....	.....	65,804	324	2,960
Fountain.....	63,333	85	25,055	361	70	21,976	.....	12,600	.....	.....	14,000	685,600	227,670	161,869
Franklin.....	59,094	15,917	46,735	426	709	8,668	.....	.....	.....	1,035	.....	369,145	410,675	265,310
Fulton.....	37,621	1,540	33,770	2,799	293	15,636	.....	.....	.....	.....	.....	170,936	25,498	66,217
Gibson.....	23,316	.....	22,901	4,932	28	.....	.....	146	.....	.....	.....	890,683	1,196,104	102,006
Grant.....	30,610	88	24,859	1,080	51,354	37,339	6	.....	.....	.....	.....	204,215	454,645	196,565
Greene.....	94,375	50	7,337	337	.....	23,986	.....	.....	.....	982	4,260	435,375	370,298	119,645
Hamilton.....	53,993	.....	63,933	.....	6,736	20,547	.....	.....	.....	.....	.....	613,985	33,086	119,545
Hancock.....	35,276	4,101	22,504	507	39,303	13,940	.....	.....	.....	.....	.....	245,140	33,685	121,603
Harrison.....	27,289	4,092	17,355	169	192	15,991	7	.....	.....	2,180	4,825	494,788	737,546	129,143
Hendricks.....	94,283	.....	118,469	112	1,134	45,848	.....	.....	.....	.....	2,352	789,461	241,294	213,117
Henry.....	92,383	35	30,818	1,764	43,197	39,888	.....	.....	.....	.....	3,320	615,719	22,050	196,904
Howard.....	25,437	902	18,556	16,944	16,345	66,345	.....	.....	.....	.....	.....	169,740	82,600	50,504
Huntington.....	23,403	1,407	37,332	2,130	46,750	101,474	.....	.....	.....	219,975	69,110	543,005	773,910	204,934
Jackson.....	53,455	30	29,362	79	.....	13,310	.....	.....	.....	.....	2,650	996,523	447,805	212,584

Jasper	45,820	230	16,028	281	6,181	5,000	5	350	75,869	37,573	1,664
Jay	21,308	383	33,755	552	23,957	20,612		43,590	443,184	633,974	143,210
Jefferson	30,711	11,600	23,607	12	30,373	30,373		10,020	219,830	125,841	42,149
Jennings	32,166	500	20,370	25	9,290	9,290			145,635	125,090	40,696
Johnson	48,039	801	19,051	801	10,629	10,629	49		697,325	171,640	184,386
Knox	46,086	213	13,213			175,000			668,165	405,936	67,162
Kosciusko	52,963	166	55,406	6,680	15,733	188,353		58,784	*66,182	730,665	216,162
Lagrange	50,000	30	4,600	3,654	3,000	300,697		242,833	1,100	1,132,788	177,012
Lake	54,284	30	71,946	232	232	21,427		49,300	27,300	2,704,508	33,302
Laporte	71,462	100	49,870	1,450	39,216	39,216	40,000	94,044	33,140	790,845	83,302
Lawrence	90,608	11	8,806	11	2,580	2,580		900	552,544	104,570	120,922
Madison	44,378	19,752	46,012	754	66,829	8,320	20	1,800	5,800	119,958	119,958
Marion	53,508	7,300	109,121	1,813	350	8,714	7	675	407,022	155,168	198,092
Marshall	30,737		4,960			584		1,800	101,571	101,571	36,435
Martin	30,913	2,125	39,720	1,043	18,501	54,777			323,306	236,635	109,925
Miami	67,082	15	9,400	72	27,329	27,329	617	400	333,969	469,364	99,075
Monroe	89,446	931	38,427	1,975	11,333	11,333		28,597	380,245	963,876	192,308
Montgomery	31,339	189	13,062	1,189	290	6,671		700	442,402	346,951	138,651
Morgan	29,689	419	16,231	90	5,457	8,117		2,400	4,350	287,241	5,930
Newton	24,186	200	26,756	2,487	366	172,277		106,885	131,353	836,871	79,050
Noble	21,983	5,707	69,623	60		3,410		600	37,760	105,935	20,145
Ohio	61,377		7,239			36,587			746,170	343,780	104,405
Owen	30,383		8,341	455		20,316		18,450	270,574	238,335	73,512
Parke	37,427	433	11,885	351		34,990	213	19,775	565,070	457,840	136,270
Perry	17,194	2,052	35,085			3,327			184,505	258,423	69,983
Pike	17,509		5,089	6		6,335		87,900	254,809	146,100	65,834
Porter	39,066	1,200	77,824	663		9,962		500	487,220	2,850	9,956
Posey	33,022	160	11,507	2,869		5,800		1,800	149,928	2,850	149,928
Putnam	20,013		23,345	454	40	6,333			75,275	226,645	30,145
Randolph	134,206		12,349	242		22,875	50	36,000	315,251	145,000	77,784
Ripley	40,418	1,908	44,312	758	49,572	26,650	10,500	6,095	627,026	546,550	264,538
Rush	73,321		47,949	4		13,612		68,950	191,532	783,031	92,379
Rutherford	54,929	7,873	17,284	1,309	12,287	11,862		4,900	484,530	8,300	135,611
Scott	31,798		6,842			15,700			28,108	128,125	19,301
Shelby	44,104	23,916	47,644	1,300	758	15,700		1,136	1,080,258	221,443	288,332
Shelby	21,086	4,029	76,215	221		1,738		13,950	234,896	1,061,034	317,421
Spencer	3,205	85	3,865			12,570		17,100	21,700	36,900	6,275
St. Joseph	52,297	5,262	86,199	4,387	153	100,336		408,650	708,712	1,444,938	159,048
Stevens	36,404	3,000	42,426	3,220	225	216,480					
Sullivan	47,708	28	12,803	514		19,631					
Switzerland	34,486	1,064	115,564	217	29,390	29,390		29,390	324,642	29,390	137,373
Tippecanoe	83,903					524,938		3,430	124,642	324,642	386,395
Tipton	19,983		154,401		5,730	239,593		3,400	123,622	386,395	5,100
Tipton	27,750	7,161	76,954	576	8,618	28,960		66,500	462,205	410,100	149,473
Tipton	58,212		20,979	4,344		28,960	3		223,616	90,625	30,375
Vanderburgh	54,842	6	13,451	3		3,235	2,000	1,990	81,857	551,120	82,690
Vermillion	52,747		57,263	42		5,484			214,278	332,145	163,039
Vigo	38,623	1,653	44,282	2,713	71,469	164,478	40	610,860	3,629,583	67,315	3,629,583
Wabash	32,492	10	10,854	600		1,913	12	127,730	127,730	127,730	37,558
Warren											

TABLE No. II.—Continued.

COUNTIES.	Acres of Pasture Land and Mea- dow.	Bushels of Bar- ley.	Bushels of Pota- toes.	Bushels of Grass and Clover Seed.	Bushels of Flax Seed.	Bushels of Fruit.	Tons of Hemp.	Tons Coal Mined.	Bushels of Coal.	Bushels of Lime.	Pounds of Beef.	Pounds of Bacon.	Pounds of Bulk Pork.	Pounds of Lard.
Warrick.....	28,412	3,000	38,485	5,179	.....	19,515	.....	5,545	.....	99	188,560	207,242	407,642	116,062
Washington.....	81,809	.....	16,634	207	548	58,746	.....	.....	.....	2,258	48,010	631,487	872,626	221,499
Wayne.....	40,038	11,438	42,928	2,813	11,151	1,739	8	.....	4,668	11,246	6,430	1,813	110,722	208,609
Wells.....	29,291	99	22,425	1,434	39,809	7,601	.....	.....	.....	.....	7,545	260,710	168,060	86,745
White.....	35,720	436	23,748	235	600	7,611	.....	.....	.....	.....	32,570	71,444	303,480	99,847
Whitley.....	12,085	2,530	43,060	6,410	5,305	87,745	.....	.....	.....	.....	146,325	250,930	.....	113,140
Total.....	3,117,058	235,663	3,165,490	113,395	707,828	3,492,562	360	1,552,761	543,142	567,043	2,446,352	31,854,935	37,688,914	10,564,527

## DEALERS—COAL AND WOOD.

TABLE No. XII.

COUNTIES.	No. Establishm'ts	Average Value of Stock.	Annual Purchases.	Annual Sales.	EMPLOYEES.			Annual Wages Paid, including Superint'ence.	Other Expenses, including Taxes, Insurance, etc.
					Males.	Females.	Total.		
Allen.....	3	\$9,999	\$69,000	\$92,000	26	1	27	\$9,800	\$1,500
Benton.....	7	2,300	6,776	8,626	5	.....	5	300	25
Cass.....	3	3,000	25,000	29,000	5	.....	5	1,800	1,050
Clark.....	5	28,000	130,000	171,000	47	.....	47	25,000	5,500
Clay.....	1	320	.....	.....	.....	.....	.....	.....	.....
Clinton.....	2	800	.....	7,300	2	.....	2	.....	250
Davies.....	3	100,000	5,600	100,000	400	.....	400	600	.....
Delaware.....	3	4,500	.....	10,000	.....	.....	6	2,184	.....
Fayette.....	2	1,000	.....	12,000	4	.....	4	.....	.....
Floyd.....	6	2,800	232,000	348,000	40	.....	40	16,800	50,000
Franklin.....	1	500	.....	.....	.....	.....	.....	.....	.....
Gibson.....	4	.....	5,000	7,000	3	.....	3	1,100	400
Grant.....	6	100	100	50	.....	.....	25	1,700	.....
Greene.....	1	.....	.....	3,000	25	.....	25	700	.....
Hamilton.....	2	1,300	8,000	12,000	3	.....	3	700	200
Hancock.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Hendricks.....	2	83	825	1,188	.....	.....	.....	.....	153
Henry.....	1	4,700	870	3,157	1	.....	1	300	1,900
Howard.....	2	.....	.....	.....	.....	.....	.....	.....	.....
Jackson.....	2	500	3,900	5,000	3	.....	3	700	75
Jasper.....	1	100	2,400	3,000	1	.....	1	300	.....
Jefferson.....	1	16,700	69,000	95,000	25	.....	25	12,100	4,750
Jennings.....	4	2,400	2,400	3,000	.....	.....	.....	.....	.....
Johnson.....	4	5,800	11,000	10,000	6	.....	6	2,000	200
Knox.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Lagrange.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Lake.....	2	200	1,500	2,000	4	.....	4	800	200
Lawrence.....	1	500	.....	.....	.....	.....	.....	.....	.....
Madison.....	1	150	150	.....	.....	.....	.....	.....	.....
Marion.....	39	136,100	626,350	838,875	194	.....	194	80,210	41,955
Martin.....	4	.....	.....	500	.....	.....	7	.....	.....
Miami.....	4	6,100	100	21,150	.....	.....	.....	.....	.....
Monroe.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Noble.....	2	60	720	720	1	.....	1	25	35
Ohio.....	3	2,000	5,000	7,000	2	.....	2	500	500
Orange.....	1	500	1,000	500	2	.....	2	.....	.....
Owen.....	1	300	.....	2,000	2	.....	2	.....	.....
Parke.....	2	.....	.....	5,000	15	.....	15	3,500	400
Perry.....	5	.....	.....	.....	.....	.....	.....	.....	.....
Pike.....	3	.....	.....	.....	.....	.....	.....	.....	.....
Pulaski.....	1	500	300	200	4	.....	4	.....	.....
Putnam.....	4	5,000	.....	.....	1	.....	1	200	.....
Randolph.....	3	5,500	11,444	14,406	3	.....	3	600	400
Scott.....	4	75	75	75	.....	.....	.....	.....	.....
Switzerland.....	4	39,000	13,000	18,800	5	.....	5	350	650
Tippecanoe.....	3	100	.....	100	.....	.....	.....	.....	.....
Union.....	1	200	2,000	3,500	2	.....	2	600	150
Vanderburgh.....	7	5,320	.....	192,817	47	.....	47	10,140	3,610
Warren.....	1	206	.....	1,000	2	.....	2	.....	.....
Warrick.....	2	1,000	.....	.....	.....	.....	.....	.....	.....
Wayne.....	8	12,700	152,400	188,000	26	.....	26	8,100	4,240
White.....	7	5,350	3,500	4,600	3	.....	3	1,500	250

NOTE.—The estimates in this line are made on a rather short range of averages—that of those giving full answers, as there were some very improbable returns among those answering but part of the

enquiries, which, if included, would make a ridiculous average. In the larger cities, coal and wood are separate lines of trade.

Seventy-eight establishments giving full answers show as follows: Average value of stock, \$215,710; annual purchases, \$1,229,790; annual sales, \$1,488,652; number of employes, 355; annual wages paid, \$148,585; other annual expenses, \$63,920; there was an employe to every \$607.63 of stock; the average yearly wages was \$418.55. Representing the average value of stock by \$100, the purchases would be represented by \$523.75, the sales by \$690.12, the wages by \$69, and the other expenses by \$29.50.

The whole number of establishments reported is 182; proportional number for the State, 234; this number, multiplied by the average stock to each (\$2,551.40), and the other elements of the business adjusted as per those giving full answers, shows as follows: Number of establishments, 234; average value of stock, \$596,928; annual purchases, \$3,127,897; annual sales, \$4,111,803; number of male employes 1,124, number of female employes 1, total employes 1,125; annual wages paid, \$471,287; other annual expenses, \$176,094.

## MANUFACTURERS—COAL MINES.

TABLE No. LX.

CITIES, TOWNS AND TOWNSHIPS.	COUNTIES.	No. Establishm'ts	Capital Invested.	Value of Raw Material Used.	Value of Manu- factured Pro- duct.	Number of Em- ployes.	Annual Wages Paid, including Superint'ence.	Other Expenses, Includ'g Taxes, Insurance, Re- pairs, etc.
City of Evansville..	Vanderburgh..	3	\$68,550		\$150,817	185	\$60,634	\$18,903
Town of Jasper.....	Dubois.....	2						
Town of Sullivan.....	Sullivan.....	1						
Town of Troy.....	Perry.....	1	300	\$400	700			
Town of Brazil.....	Clay.....	3	64,000	20,000	240,000	400	188,000	15,000
Dick Johnson Tp.....	Clay.....	1	15,000		7,500		6,000	
Harrison Township..	Clay.....	1	10,000			20	6,000	
Jackson Township..	Clay.....	9						
Lewis Township.....	Clay.....	3	300					
Perry Township.....	Clay.....	1						
Posey Township.....	Clay.....	5	25,000	48,000	100,000	250	65,000	5,000
Van Buren T'nship..	Clay.....	16	1,600,000					
Johnson Township..	Crawford.....	1	100,000					
Barr Township.....	Davies.....	2						
Washington Tp.....	Davies.....	3	100,000			400	120,000	
Jefferson Township..	Dubois.....	1						
Shawnee Township..	Fountain.....	1	400					
Mill Creek T'nship..	Fountain.....	1						
Van Buren T'nship..	Fountain.....	2						
Wabash Township..	Fountain.....	3	200,000				5,000	
Columbia Township..	Gibson.....	2	250					
Center Township...	Greene.....	1						
Jackson Township..	Greene.....	4	200		2,000	25	1,700	
Jefferson Township..	Greene.....	6						
Richland Township..	Greene.....	6			2,000			
Stockton Township..	Greene.....	4	800				1,600	
Taylor Township...	Greene.....	3	1,000					
Vigo Township.....	Knox.....	2	10,000		20,000	250	15,000	
Widner Township...	Knox.....	1						
Baker Township...	Martin.....	1						
Lost River T'nship..	Martin.....	7			500	7		
McCameron Tp.....	Martin.....	1						
Perry Township...	Martin.....	1	500			4		
Jefferson Township..	Owen.....	5						
Adams Township...	Parke.....	2	3,500			15	3,500	400
Florida Township...	Parke.....	4	6,000			58	13,572	
Jackson Township..	Parke.....	2						
Raccoon Township..	Parke.....	5			1,000			
Sugar Creek Tp.....	Parke.....	3				3		
Washington Tp.....	Parke.....	7	129,000		62,060	84		
Oil Township.....	Perry.....	1		200				
Troy Township.....	Perry.....	10	40,000		50,000	75		
Logan Township...	Pike.....	2						
Monroe Township...	Pike.....	10	300		1,000	20	200	30
Patoka Township...	Pike.....	2						
Washington Tp.....	Pike.....	4	300	75,000	75,000	8	3,000	
Carter Township...	Spencer.....	6	600	500	3,600	6	800	600
Clay Township.....	Spencer.....	10				10		
Grass Township...	Spencer.....	1	10,000			25	8,000	
Harrison Township..	Spencer.....	4			200			
Huff Township.....	Spencer.....	8						
Curry Township...	Sullivan.....	2	25,000		40,000			
Hamilton T'nship...	Sullivan.....	2	6,000	200		10	3,120	
Jefferson Township..	Sullivan.....	1	100		600	2		
Perry Township...	Vanderburgh..	1	3,000		40,000	300	20,000	2,000
Pigeon Township...	Vanderburgh..	1	6,000		21,000	35	5,400	200
Clinton Township...	Vermillion.....	6	1,500	500	10,000	40	6,000	100
Eugene Township...	Vermillion.....	2	600					

TABLE No. LX.—Continued.

CITIES, TOWNS AND TOWNSHIPS.	COUNTIES.	No. Establishm'ts	Capital Invested.	Value of Raw Material Used.	Value of Manufactured Product.	Number of Employees.	Annual Wages Paid, including Superint'ence.	Other Expenses, including Taxes, Insurance, Repairs, etc.
Helt Township.....	Vermillion .....	3	.....	.....	.....	10	.....	.....
Lost Creek Tp.....	Vigo .....	2	\$300	\$200	\$2,400	5	\$1,200	\$150
Nevins Township....	Vigo .....	5	50,000	.....	100,000	150	75,000	15,000
Steuben Township..	Warren .....	1	200	.....	.....	.....	.....	.....
Hart Township.....	Warrick.....	1	75	100	.....	.....	.....	.....
Ohio Township.....	Warrick.....	2	.....	.....	.....	.....	.....	.....
Owen Township....	Warrick.....	2	.....	.....	.....	.....	.....	.....
Pigeon Township...	Warrick.....	2	.....	.....	.....	.....	.....	.....

NOTE.—Twenty-seven mines, giving full answers, show as follows: Capital invested, \$91,400; value of material used, \$69,200; value of manufactured product, \$356,000; number of employes, 301; annual wages paid, \$261,000; other expenses, \$20,850; an employe to every \$2,682.72 of capital, with average wages at \$867.10. Representing the capital by \$100, the material would be \$75.71, the product \$389.50, the wages \$274.62, and the other expenses \$22.80.

The additional five mines answering to capital, material and product, give as capital \$600, as material \$75,400, and the product \$75,700; the former being so absurdly small, and the two latter amounts so improbably large as to make the comparison ridiculous, hence the ordinary comparison is omitted.

One hundred and forty-one mines, including those giving full answers, show as capital \$3,309,175, or an average of \$23,469 to each. The whole number reported is 225; the proportional number for the whole mining region of the State is 274, which, being multiplied by the average capital to each, and the other elements of the business adjusted as per those giving full answers, shows for the whole mining region of the State as follows: Number of mines, 274; capital employed, \$6,430,506; value of material used, \$4,868,536; value of manufactured product, \$25,046,820; number of employes, 2,397; annual wages paid, \$2,534,533; other expenses, \$1,466,155.

MANUFACTURERS—SEWER PIPE.

TABLE No. LXI.

COUNTIES AND CITIES.	No. Establishm'ts	Capital Invested.	Value of Raw Material Used.	Value of Manufactured Product.	Number of Employees.	Annual Wages Paid, including Superint'ence.	Other Expenses, including Taxes, Insurance, Repairs, etc.
Allen County— Fort Wayne.....	1	\$5,000	\$2,000	\$5,000	3	\$1,500	\$400
Cass County— Logansport.....	1	5,000	2,000	10,000	5	3,650	5,000
Marion County— Indianapolis.....	1	.....	.....	.....	.....	.....	.....
Parke County— Montezuma.....	2	4,000	30,000	50,000	18	5,000	.....

NOTE.—Representing the capital by \$100, the value of the material used would be \$243, the value of the product \$464, the wages paid \$72, and the other expenses \$54.

The following, omitting details, is the estimate for the State: Number of establishments, 6; capital employed, \$21,000; value of material used, \$51,030; value of manufactured product, \$97,040; number of employes, 32; annual wages paid, \$12,480; other expenses, \$11,340.