

Fifth biennial report of the Kansas State Board of Agriculture

Section 15, Pages 421 - 450

This biennial report covers the years 1885-86. The volume contains two parts and the page numbering starts over at the beginning of part II. The volume contains numerous agricultural statistics and information about other industries. It also contains information about Kansas weather, schools, churches, various agricultural issues such as Texas fever, chinch bugs, vacant public lands, etc. A major part of the volume is devoted to information gathered during the 1885 statewide census conducted by the Board of Agriculture. Part I contains a number of tables with statistics about Kansas residents broken down by county. Part I also contains a section on each county, providing summary information about the history of the county, nativity of residents, a description of the landscape, crops, livestock, schools, newspapers, banks, and a list of county officers for 1887. Proceedings and other activities of the Kansas State Board of Agriculture are in Part II.

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Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OSAGE COUNTY.

419

CHURCHES.

TABLE showing the number of church organizations, aggregate membership, number of church edifices, and the value of church property in the county, belonging to the denominations named, for 1886.

DENOMINATIONS.	No. of church organizations.	Aggregate membership.	No. of church edifices.	Value of church property.
African Methodist Episcopal	1	30	1	\$ 900
Baptist	5	299	4	11,300
*Christian	5	269	4	4,700
Congregational	6	230	3	7,000
Friends	1	278	1	1,200
Lutheran	1	260	1	2,000
Methodist Episcopal	12	1,354	9	30,850
Presbyterian	8	500	5	18,000
*Roman Catholic	2	1,630	2	3,400
Seventh Day Adventists	1	18	1	1,300
Swedish Baptist	1	37	1	1,300
United Brethren	3	104	3	4,400
United Presbyterian	1	50	1	3,000
Total	47	5,059	35	\$87,950

* Statistics of 1884 and 1885. No return for 1886.

NEWSPAPERS.

Osage City Free Press (Republican). J. V. Admire, editor; Free Press Printing Co., publishers, Osage City.

Osage County Democrat (Democratic). Miles W. Blain, editor and publisher, Osage City.

The Lyndon Journal (Republican). W. A. Madaris, editor and publisher, Lyndon.

The Burlingame Independent (Prohibition). John E. Rastall, editor and proprietor, Burlingame.

The Osage County Chronicle (Republican). J. N. McDonald, editor, publisher and proprietor, Burlingame.

Melvern Record (Republican). W. S. Rilea, editor and publisher, Melvern.

Kansas Workman (Prohibition and Labor Reform). Cyrus Corning and J. L. Ellison, editors; Kansas Workman Publishing Co., publishers, Quenemo.

Astonisher and Paralyzer. Reuben Playford, editor, publisher and proprietor, Carbondale.

The Burlingame News (Amateur). Dick Taylor, editor, publisher and proprietor, Burlingame.

The Osage County Republican (Republican). C. W. Searing, editor and publisher, Quenemo.

BANKS IN COUNTY.

NAME OF BANK.	President.	Cashier.	Post-office address.	Paid-up capital.	Surplus.
Osage County Bank	W. W. Miller	T. L. Marshall	Osage City ..	\$50,000	\$15,000
Traders' State Bank	L. E. Finch	A. M. Miner	Burlingame ..	50,000	.....
Commercial Bank	D. T. McIntire	S. L. Billings	Lyndon	50,000	.....
Citizens' Bank	John H. Hall	D. C. Lake	Osage City ..	25,000	.....
Melvorn Bank	Fisher & Enderton	S. B. Enderton	Melvorn	20,000	3,000
Burlingame Savings B'k	L. Empie	C. E. Wood	Burlingame ..	21,000	.....
Commercial Bank	Charles Clory .....	.....	Carbondale ..	18,000	.....
Quenemo Bank .....	.....	G. W. Chase	Quenemo	12,000	4,000
Lyndon Savings Bank	Elisha Olcott	J. M. Hodgen	Lyndon	10,000	.....
Exchange Bank .....	.....	A. A. Downer	Lyndon .....	.....	.....

Fifth biennial report of the Kansas State Board of Agriculture

420

KANSAS STATE BOARD OF AGRICULTURE.

List of county officers for 1887, with post-office address of each.

Officer.	Name.	Post-office address.
County Clerk.....	R. H. McClair.....	Lyndon.
Treasurer.....	Ed. Spaulding.....	Lyndon.
Sheriff.....	S. H. Fuller.....	Lyndon.
Clerk District Court.....	C. P. Felch.....	Lyndon.
Probate Judge.....	Alex. Blake.....	Lyndon.
Register of Deeds.....	Thos. Neill.....	Lyndon.
Attorney.....	H. B. Hughbanks.....	Osage City.
Superintendent of Schools.....	Jabez Adams.....	Lyndon.
Surveyor.....	James Gray.....	Peterton.
Coroner.....	Q. M. Hutchinson.....	Lyndon.
Commissioners.....	C. E. Freeman.....	Burlingame.
	S. L. Heberling.....	Carbondale.
	Charles Cochran.....	Melvorn.

POST-OFFICES.

Antioch,
Arvonia,
Barclay,
Burlingame,
Carbondale,
Dragoon,
Fountain,
La Mont's Hill,

LYNDON (C. H.),
Maxson,
Melvorn,
Michigan Valley,
Osage City,
Penfield,
Peterton,
Pop Corn,

Quenemo,
Ridgeway,
Scranton,
Stormont,
Union,
Valley Brook,
Weaver.

OSBORNE COUNTY.

POPULATION.—Table showing population by nativity, race and sex, for 1885, and total population for 1886, by townships and cities.

TOWNSHIPS AND CITIES.	Native	Foreign	White	Colored	Male	Female	Totals	
							1885.	1886.
Bethany township.....	588	54	636	6	330	303	642	804
Bloom township.....	405	158	545	18	305	258	563	615
Corinth township.....	478	27	505	.....	266	229	505	550
Covert township.....	377	17	394	.....	219	175	394	476
Delhi township.....	410	38	421	27	247	201	448	517
Grant township.....	527	20	556	.....	312	244	556	581
Hawkeye township.....	546	22	568	.....	302	266	568	639
Independence township.....	360	31	391	.....	224	167	391	465
Jackson township.....	362	19	381	.....	190	191	381	385
Kill Creek township.....	334	42	376	.....	197	179	376	418
Lawrence township.....	442	36	478	.....	266	212	478	529
Liberty township.....	254	24	278	.....	173	105	278	504
Mt. Ayr township.....	577	24	601	.....	334	267	601	665
Osborne city.....	1,021	51	1,072	.....	592	480	1,072	1,521
Penn township.....	557	57	613	1	350	264	614	712
Round Mound township.....	308	51	359	.....	198	161	359	419
Downs city.....	752	48	787	13	430	370	800	1,040
Ross township.....	616	48	664	.....	343	321	664	772
Alton city.....	263	26	289	.....	166	123	289	430
Summer township.....	632	29	499	162	361	300	661	950
Tilden township.....	526	90	615	1	334	282	616	716
Valley township.....	308	3	311	.....	175	136	311	332
Victor township.....	347	13	360	.....	195	165	360	415
Winfield township.....	721	80	801	.....	443	358	801	894
Total.....	11,711	1,017	12,500	228	6,961	5,767	12,738	15,123

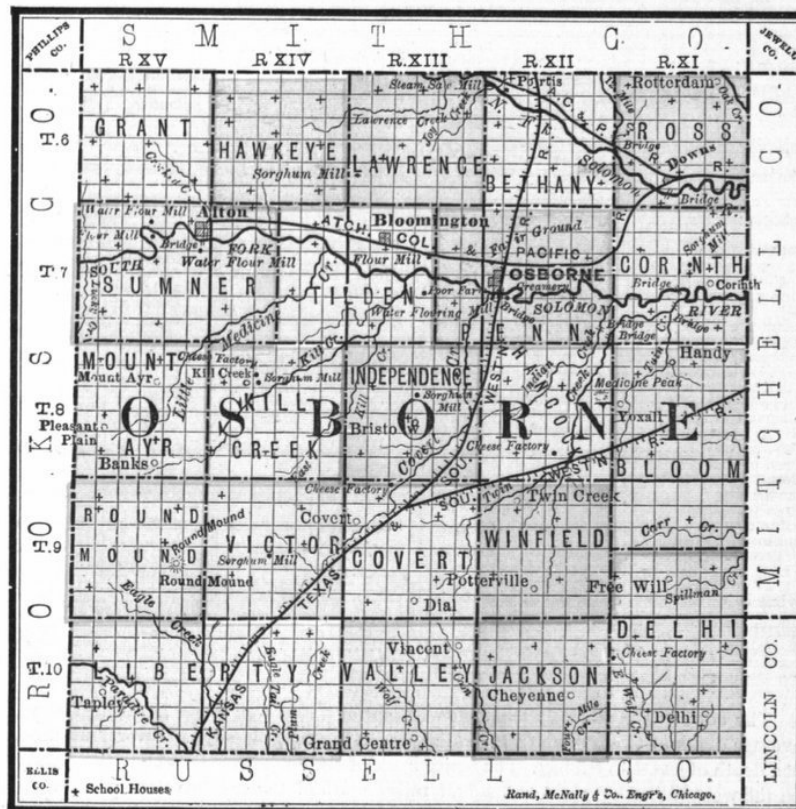
Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OSBORNE COUNTY.

421

Is situated in the north-central portion, being the second county south of the Nebraska State line. It ranks as the forty-fifth county in population, and has 16.80 inhabitants to each square mile. It was organized in 1871, with an area of 900 square miles. The city of Osborne lies on the South Fork of the Solomon river, north and east of the center, has a population of 1,521, ranks as the sixty-eighth city in size in the State, and is the county seat. The city of Downs, situated on the North Fork of the Solomon river, in the northeastern portion, has a population of 1,040, and ranks in size as the ninety-fifth city in the State. The town of Alton, in the northwestern portion, has a population of 480, and is a place of much local importance.

MAP OF OSBORNE COUNTY, KANSAS, 1887.



The general surface is undulating, with well defined high ridges dividing the numerous water-courses. Medicine Peak, in the east-central, and Round Mound, in the southwestern portion, are elevations of considerable height, and can be seen at a distance of many miles. Bottom-lands comprise 20 per cent. of the county area, and average one mile in width.

Native timber is not very abundant, what there is being confined to narrow belts along the streams. These belts average a width of thirty rods, and contain the following varieties of trees: Oak, elm, cottonwood, ash, hackberry, box-elder, willow, honey locust, mulberry and walnut, the last three not being very abundant.

Fifth biennial report of the Kansas State Board of Agriculture

422

KANSAS STATE BOARD OF AGRICULTURE.

Magnesian limestone is found in all the bluffs and divides, and on the lower lands in the southern portion. A hard limestone is found in great abundance in the southern part, and makes excellent building material. Sandstone of inferior quality is found in several places. Fire-clay is found at a depth of one hundred and fifty feet, and potter's clay exists in the southeastern part of the county, but neither are utilized. Clay, from which a good quality of brick is manufactured, is found near the city of Osborne. Gypsum, in small quantities, is found in several localities. Salt water is reached at a depth of one hundred feet near the city of Osborne.

ASSESSED VALUATION AND INDEBTEDNESS.—Table showing the assessed valuation and indebtedness of the county, total school district indebtedness, and the assessed valuation and indebtedness of the municipal townships and cities, for 1886.

TOWNSHIPS AND CITIES.	Assessed valuation of the different kinds of property.				Total assessed valuation.	Indebtedness, July 1, 1886.
	Land.	Personal.	City lots.	Railroad property.		
The county.....	\$1,099,920 00	\$463,700 00	\$198,675 00	\$222,591 56	\$1,984,886 56	\$50,000 00
School districts.....						25,575 00
Bethany township.....	\$ 69,640 00	\$36,700 00	\$ 7,578 00	\$33,293 31	\$147,211 31	4,000 00
Bloom township.....	55,230 00	15,570 00			70,800 00	
Corinth township.....	77,680 00	11,140 00		11,049 83	99,869 83	1,500 00
Covert township.....	27,470 00	9,940 00	687 00		38,097 00	
Delhi township.....	35,700 00	13,840 00			49,540 00	
Grant township.....	40,360 00	9,020 00			49,380 00	
Hawkeye township.....	38,540 00	13,460 00			52,000 00	
Independence tw'p.....	37,920 00	11,640 00			49,560 00	
Jackson township.....	36,550 00	8,500 00			45,050 00	
Kill Creek township.....	39,390 00	7,620 00			47,010 00	
Lawrence township.....	44,430 00	12,820 00			57,250 00	
Liberty township.....	34,430 00	28,200 00			62,630 00	
Mt. Ayr township.....	35,480 00	6,750 00			42,230 00	
Osborne city.....						
Penn township.....	117,470 00	91,550 00	78,225 00	42,329 46	329,574 46	20,000 00
Round Mound tw'p.....	25,500 00	7,150 00			32,650 00	
Downs city.....						
Ross township.....	105,630 00	52,480 00	74,035 00	53,288 35	285,433 35	1,300 00
Alton city.....						
Summer township.....	78,010 00	56,940 00	36,450 00	46,198 50	217,598 50	15,000 00
Tilden township.....	76,540 00	22,040 00	1,700 00	36,432 11	136,712 11	
Valley township.....	24,700 00	12,940 00			37,640 00	
Victor township.....	31,380 00	6,760 00			38,140 00	
Winfield township.....	67,870 00	28,570 00			96,440 00	
Total.....						\$117,275 00

The county is moderately supplied with springs, and well water is reached at an average depth of twenty-two feet, good water having been obtained in several instances at a depth of less than ten feet. The South Fork of the Solomon river enters the county on the western border, eight and a half miles south of the northwestern corner. It flows through the county from west to east, and crosses the eastern border nine miles south of the northeastern corner. Its tributaries from the south and southwest are: Lucky, Little Medicine, Covert, Indian and Twin creeks. East Kill creek flows northeast into Kill creek, and East Twin creek flows northeast into Twin creek. Crooked creek flows southwest, in the northwestern corner, and empties into the South Fork of the Solomon. The North Fork of the Solomon enters the county at the center of its northern boundary, and flows southeast across the northeastern corner. Lawrence and Joy creeks are its tributaries from the southwest, and Twelve Mile creek from the north. Oak creek, flowing southeast, crosses the extreme northeastern corner. Paradise creek has a southeastern course, and crosses the southwestern corner. Eagle

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OSBORNE COUNTY.

423

Tail, Plum, Wolf, Coon, Four Mile and East Wolf creeks, in the extreme southern portion, flow south over the southern boundary. Carr and Spillman creeks, in the southeastern portion, flow east over the eastern border.

TABLE showing the mechanical and manufacturing industries.

NAME OF BUSINESS.	Number of establishments.....	Amount of capital invested.....	Motive power.....	Average No. of hands employed.....	Total amount paid in wages during the year.....	Value of	
						Raw material used.....	Product.....
Cheese factories.....	2	\$ 8,800	Hand.	13	\$ 600	\$ 400	\$ 1,750
Creamery.....	1	7,000	Steam.	15	4,000	12,900	25,000
Feed mills.....	2	600	Wind.	2	500	960	1,700
Flouring mills.....	2	31,000	Water.	8	6,000	43,000	67,000
Total.....	7	\$47,400	.....	38	\$11,100	\$57,260	\$95,450

FARM AND CROP STATISTICS.

Area of county, 576,000 acres. For 1885: Acres under fence, 76,574; acres in farms, not under fence, 309,759; total number of acres in farms, 386,333; per cent. of total area of county in farms, 67; acres under cultivation, including prairie under fence, 165,947; value of farms, \$3,760,150; value of farming implements, \$151,646. For 1886: Acres under fence, 97,828; acres in farms, not under fence, 288,564; total number of acres in farms, 386,392; per cent. of total area of county in farms, 67; acres under cultivation, including prairie under fence, 207,069; value of farms, \$3,828,864; value of farming implements, \$168,545.

TABLE showing acres, product and value of field crops in the county for 1885 and 1886.

CROPS.	1885.			1886.		
	Acres.	Product.	Value.	Acres.	Product.	Value.
Winter wheat.....bu.	33,252	232,764	\$139,659 00	38,109	457,308	\$228,654 00
Rye.....bu.	10,694	159,510	63,804 00	9,594	153,504	53,736 00
Spring wheat.....bu.	2,118	19,062	11,437 00	2,132	21,320	8,528 00
Corn.....bu.	48,012	2,160,540	388,897 20	57,640	1,729,300	345,840 00
Barley.....bu.	2,295	45,900	11,475 00	1,586	39,650	11,895 00
Oats.....bu.	10,278	360,730	72,146 00	9,122	319,270	63,854 00
Buckwheat.....bu.	79	2,479	1,859 25	96	1,440	1,080 00
Irish potatoes.....bu.	1,270	127,000	44,450 00	1,403	105,225	52,612 50
Sweet potatoes.....bu.	12	1,200	1,200 00	24	2,400	2,400 00
Sorghum.....	4,323	.....	115,863 00	861	.....	23,088 00
Castor beans.....bu.	60	720	900 00	93	930	1,395 00
Cotton.....lbs.	.....	.....	.....	.....	.....	.....
Flax.....bu.	27	270	270 00	2	20	18 00
Hemp.....lbs.	1	900	45 00	.....	.....	.....
Tobacco.....lbs.	1	800	80 00	3	1,800	180 00
Broom corn.....lbs.	917	550,200	13,755 00	2,945	1,767,000	61,845 00
Millet and Hungarian.....tons	7,424	18,560	83,520 00	6,932	13,864	55,456 00
Timothy.....	7	.....	.....	204	.....	.....
Clover.....	3	.....	.....	72	.....	.....
Orchard grass.....tons	38	130	650 00	30	561	3,255 00
Blue grass.....	10	.....	.....	4	.....	.....
Other tame grasses.....	7	.....	.....	40	.....	.....
Prairie, under fence.....tons	26,948	24,652	73,956 00	48,197	26,019 00	104,076 00
Total.....	147,716	.....	\$1,023,966 45	179,089	.....	\$1,017,902 50

Wheat on hand—March 1, 1885, 207,189 bushels; March 1, 1886, 79,743 bushels.
Corn on hand—March 1, 1885, 292,704 bushels; March 1, 1886, 558,146 bushels.

Fifth biennial report of the Kansas State Board of Agriculture

424

KANSAS STATE BOARD OF AGRICULTURE.

LIVE STOCK.

TABLE showing the number, value and mortality of live stock for 1885 and 1886.

LIVE STOCK.	1885.		1886.		Mortality.	
	No.	Value.	No.	Value.	1885.	1886.
Horses.....	6,444	\$515,520	7,307	\$657,630	165	101
Mules and asses.....	661	59,490	1,115	111,500	4	5
Milch cows.....	7,351	183,775	8,626	215,650	196	114
Other cattle.....	12,974	363,272	14,879	416,612	645	456
Sheep.....	29,616	59,232	30,518	61,036	*807	717
Swine.....	22,660	135,960	22,790	136,740	937	8,819
Total.....	79,706	\$1,317,249	85,235	\$1,500,168	2,844	10,212

Herd law in force.

* Including the number of head killed by dogs.

Number of dogs in county, March 1, 1885.....	2,053
Number of dogs in county, March 1, 1886.....	2,107

SUMMARY

SHOWING the amount and value of farm products for the years ending March 1, 1885, and March 1, 1886.

PRODUCTS.	1885.		1886.	
	Amount.	Value.	Amount.	Value.
Field crops.....acres	147,716	\$1,023,966 45	179,089	\$1,017,902 50
Animals slaughtered and sold for slaughter.....		147,621 00		174,606 00
Value of the increase in live stock.....		344,402 00		210,869 00
Wool clip.....lbs.	68,174	10,907 84	129,371	23,286 78
Butter.....lbs.	397,773	59,665 95	408,386	61,257 90
Cheese.....lbs.	43,840	5,260 80	14,865	1,783 80
Honey and bees-wax.....lbs.	175	35 00	118	23 60
Milk sold.....		10,770 00		3,073 00
Horticultural products marketed.....		25 00		38 00
Wine manufactured.....gal.	87	130 50	34	51 00
Garden products marketed.....		4,488 00		3,617 00
Poultry and eggs sold.....		24,727 00		21,708 00
Wood marketed.....		6,522 00		3,251 00
Total.....		\$1,638,521 54		\$1,521,467 58

CHURCHES.

TABLE showing the number of church organizations, aggregate membership, number of church edifices, and the value of church property in the county, belonging to the denominations named, also statistics relating to denominational schools and colleges, for 1886.

DENOMINATIONS.	No. of church organizations.	Aggregate membership.	No. of church edifices.	Value of church property.
Baptist.....	5	209	2	\$2,400
Congregational.....	7	146	5	7,600
Friends.....	1	300	1	800
Lutheran.....	2	25	1	800
Methodist Episcopal.....	7	601	6	8,245
Presbyterian.....	5	132	3	4,900
Seventh Day Adventists.....	2	118	1	1,000
Total.....	29	1,431	19	\$25,745

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OSBORNE COUNTY.

425

DENOMINATIONAL SCHOOLS.

NAME OF ORGANIZATION.	Average yearly attendance.	Average monthly salaries paid teachers.	No. of school buildings.	Value of buildings and other school property.
Parish School (Lutheran).....	25	\$60	.....	.....

HORTICULTURE, ETC.

FRUIT TREES.	1885.	1886.	SMALL FRUITS—ACRES.	1885.	1886.
<i>Number of trees in bearing.</i>			Raspberries.....	10	123
Apple.....	3,393	4,363	Blackberries.....	6	6
Pear.....	500	73	Strawberries.....	8	6
Peach.....	20,898	11,584	Total.....	24	135
Plum.....	2,562	2,058			
Cherry.....	2,179	2,457			
Total.....	29,532	20,535			
<i>Number not in bearing.</i>			ARTIFICIAL FOREST.	1885.	1886.
Apple.....	37,885	48,365	<i>Acres of trees one year old and over.</i>		
Pear.....	922	1,093	Walnut.....	355	744
Peach.....	64,152	52,717	Maple.....	5	14
Plum.....	3,545	3,809	Honey locust.....	499	4,503
Cherry.....	9,415	13,142	Cottonwood.....	1,379	963
Total.....	115,919	119,186	Other varieties.....	861	8,953
			Total.....	3,099	15,177
			Acres in nurseries.....	148	65
			Acres in vineyards.....	9	4

RANK OF COUNTY in population, assessed valuation, acres under cultivation, total value of farm products, acreage of wheat and corn, and the number of live stock named below, for the years 1885 and 1886.

YEARS.	Popu- lation.	Assess- ed val- uation.	Acres under cultiva- tion.	Value of farm pro- ducts.	Wheat, acres.	Corn, acres.	Horses and mules.	Cattle.	Sheep.	Swine.
1885.....	51	62	49	43	12	54	45	50	4	53
1886.....	45	64	38	46	7	50	39	47	5	44

SCHOOLS.

Number of organized districts, 123; school population for 1886, 5,558. Average monthly wages paid teachers: males, \$32.44; females, \$29. Total value of school property in county, \$57,570.

NEWSPAPERS.

Osborne County Farmer (Republican). S. E. Ruede and F. H. Barnhart, editors, publishers and proprietors, Osborne.

Osborne County News (Democratic). C. H. Topliff, editor and publisher, Osborne.
The Western Odd Fellow (Social). Topliff & Richey, editors and publishers, Osborne.

The Downs Chief (Democratic). W. H. Whitmore, editor and publisher, Downs.
Downs Times, semi-weekly (Republican). Geo. E. Dougherty, editor, publisher and proprietor, Downs.

Fifth biennial report of the Kansas State Board of Agriculture

426

KANSAS STATE BOARD OF AGRICULTURE.

Portis Patriot (Republican). Mart. H. Hoyt, editor, publisher and proprietor, Portis.
Western Empire. A. G. Grubb and R. O. Maynard, editors and publishers, Alton.
Osborne County Journal (Republican). C. F. Knowlton and Geo. G. Prewitt, editors, publishers and proprietors, Osborne.

BANKS IN COUNTY.

NAME OF BANK.	President.	Cashier.	Post-office address.	Paid-up capital.	Surplus.
Exchange National Bank	W. W. Watson	S. P. Crampton	Osborne.	\$60,000	.....
First National Bank	W. H. Burke	Frank Knox	Osborne.	50,000	\$ 3,000
Alton City Bank	J. R. Loomis & Co.		Alton	40,000	12,000
First National Bank	John Hall	S. R. Young	Downs	50,000	.....
Exchange National Bank	W. W. Hetherington	J. B. Kroetch	Alton	25,000	.....
State Bank of Alton	William H. Search	John T. Search	Alton	25,000	.....
Bank of Downs	E. E. Parker	J. W. Huff	Downs	25,000	.....
Portis Bank	J. E. Franklin	Geo. R. Timms	Portis	.....	.....

List of county officers for 1887, with post-office address of each.

Officer's	Name.	Post-office address.
County Clerk	Frank Stafford	Osborne.
Treasurer	J. A. Beeman	Osborne.
Sheriff	W. A. Ware	Osborne.
Clerk District Court	L. A. Linville	Osborne.
Probate Judge	O. F. Smith	Osborne.
Register of Deeds	S. B. Farwell	Osborne.
Attorney	R. G. Hayes	Osborne.
Superintendent of Schools	Tammie Hahn	Osborne.
Surveyor	H. C. Noland	Osborne.
Coroner	A. C. Dillon	Corinth.
Commissioners	F. B. Brown	Tipton.
	S. W. Smith	Osborne.
	Wm. Rosegrant	Alton.

POST-OFFICES.

Alton, Banks, Bloomington, Bristow, Cheyenne, Corinth, Covert, Delhi,	Dial, Downs, Free Will, Grand Centre, Handy, Kill Creek, Mount Ayr, OSBORNE (C. H.),	Pleasant Plain, Portis, Potterville, Round Mound, Tapley, Twin Creek, Vincent, Yoxall.
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OTTAWA COUNTY.

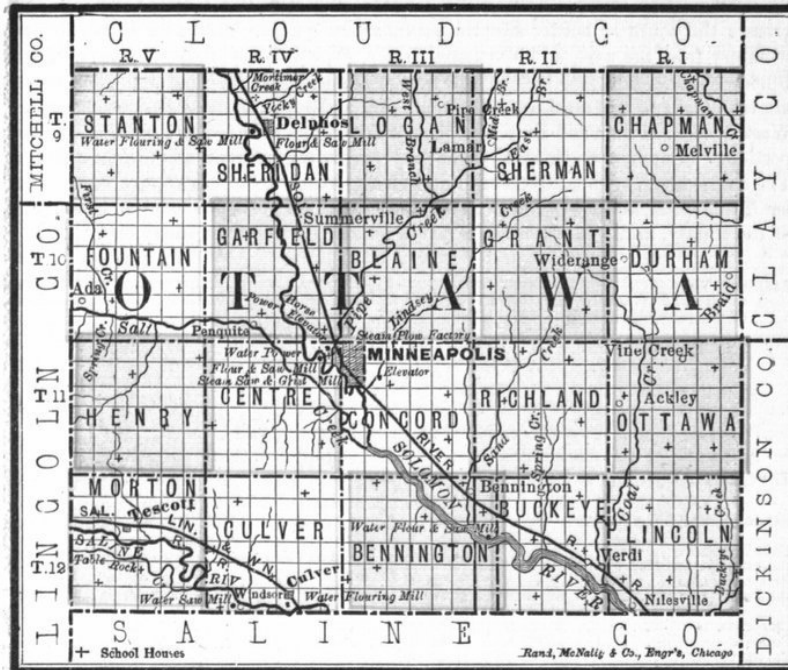
Was organized in 1866, has an area of 720 square miles, and ranks as the forty-eighth county in the State as to population. It lies in the north-central portion, a little east of the center east and west, and is the third county south from the Nebraska State line. Its density of population is 19.62 to the square mile. The city of Minneapolis, situated on the Solomon river, a little west of the center, is the county seat, ranks as the forty-sixth city in size in the State, and has 2,182 inhabitants. Bennington, in the southeast portion, and Delphos, in the northwest, are towns of much local importance.

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OTTAWA COUNTY.

427

MAP OF OTTAWA COUNTY, KANSAS, 1887.



POPULATION.—Table showing population by nativity, race and sex, for 1885, and total population for 1886, by townships and cities.

TOWNSHIPS AND CITIES.	Native	Foreign	White	Colored	Male	Female	Total.	
							1885	1886.
Bennington city.....								503 965
Bennington township.....	566	83	649		358	291	649	462 508
Blaine township.....	379	73	452		248	204	452	475
Buckeye township.....	634	99	733		388	345	733	481
Center township.....	353	48	401		206	195	401	800
Chapman township.....	602	100	701	1	384	318	702	555
Concord township.....	508	20	528		275	248	523	644
Culver township.....	557	16	573		322	251	573	716
Fountain township.....	775	125	900		485	415	900	601
Garfield township.....	501	63	564		308	256	564	493
Grant township.....	407	15	422		230	186	416	447
Henry township.....	365	54	419		234	185	419	573
Lincoln township.....	408	70	478		265	213	478	707
Logan township.....	590	96	686		369	326	695	615
Morton township.....	508	68	576		311	265	576	477
Ottawa township.....	364	47	411		225	186	411	465
Richland township.....	422	25	447		235	212	447	
Delphos city.....	484	27	507	4	268	243	511 881	1,392 1,198
Sheridan township.....	789	92	885	16	465	416	881	662
Sherman township.....	598	26	623	1	321	303	624	620
Stanton township.....								
Minneapolis city.....	1,630	159	1,729	50	978	801	1,779	2,182
Total.....	11,434	1,306	12,668	72	6,881	5,850	12,740	14,127

Fifth biennial report of the Kansas State Board of Agriculture

428

KANSAS STATE BOARD OF AGRICULTURE.

The Solomon river enters the county from the north, six and a half miles east of the northwestern corner. It flows in a southeastern direction across the county, and crosses the southern border near the southeastern corner. Salt creek is its principal tributary from the west, and Mortimer, Yocky, Pipe, Lindsey, Sand, Spring, Coal and Buckeye creeks flow into it from the northeast and north. Spring and First creeks are tributaries to Salt creek from the southwest and north, in the west-central portion. West Branch, Middle and East Branches are tributary to Pipe creek, in the northern portion. Chapman creek flows southeast across the extreme northeastern corner. The Saline river, with a direction south of east, crosses the southwestern corner, and has Table Rock and other creeks as tributaries. Good springs are found in all parts of the county, and well water is reached at an average depth of thirty feet.

ASSESSED VALUATION AND INDEBTEDNESS.—Table showing the assessed valuation and indebtedness of the county, total school district indebtedness, and the assessed valuation and indebtedness of the municipal townships and cities, for 1886.

TOWNSHIPS AND CITIES.	Assessed valuation of the different kinds of property.				Total assessed valuation.	Indebtedness, July 1, 1886.
	Land.	Personal.	City lots.	Railroad property.		
The county.....	\$1,402,796 00	\$626,956 00	\$279,443 00	\$180,477 04	\$2,489,672 04	\$100,000 00
School districts.....						28,880 85
Bennington city.....	\$ 60,572 00	\$ 26,847 00	\$ 20,981 00	\$15,757 05	\$124,157 05	2,500 00
Bennington township.....	73,352 00	28,645 00			101,997 00	
Blaine township.....	80,152 00	24,049 00	1,566 00	31,722 00	137,489 00	2,955 00
Buckeye township.....	81,222 00	22,767 00		10,562 00	114,551 00	4,500 00
Center township.....	91,012 00	28,235 00			119,247 00	
Chapman township.....	92,629 00	25,807 00	550 00	31,170 00	150,156 00	
Concord township.....	75,935 00	17,443 00			93,378 00	
Culver township.....	60,656 00	28,259 00	830 00		89,745 00	
Fountain township.....	106,900 00	39,552 00		33,604 99	180,056 99	
Garfield township.....	58,993 00	16,148 00			75,080 00	
Grant township.....	39,393 00	12,429 00			51,822 00	
Henry township.....	83,093 00	20,775 00	1,418 00	12,753 00	118,039 00	3,000 00
Lincoln township.....	92,383 00	29,017 00			121,400 00	
Morton township.....	72,571 00	17,574 00			90,145 00	2,000 00
Ottawa township.....	72,160 00	35,954 00			108,114 00	
Richland township.....	63,720 00	12,072 00			75,792 00	
Delphos city.....	108,962 00	68,254 00	41,006 00	37,909 00	256,131 00	2,500 00
Sheridan township.....	51,347 00	27,312 00			78,659 00	
Sherman township.....	37,805 00	12,150 00			49,955 00	
Stanton township.....		133,692 00	213,092 00	6,999 00	353,783 00	
Minneapolis city.....						
Total.....						\$146,335 85

The general surface is an undulating prairie, with a small amount of rough lands on the divides, and long, rolling slopes reaching to the bottoms along the streams. Bottom-lands on the Solomon and Saline rivers average three miles in width, while those on the creeks are from one-half to one mile wide. The proportion of bottom-land in the county is 25 per cent. of the total area.

Timber belts average from one-fourth to one mile in width, and are composed of the following varieties of trees: Oak, hackberry, walnut, ash, elm, mulberry, box-elder, cottonwood and coffee-bean.

Limestone underlies the table-land in the western portion. Red sandstone is so distributed over the county as to be within three miles of any locality. Red, orange and yellow ochre is frequently found along the small streams coming from the divides. Fire-clay exists along the banks of small streams, in the high lands, and

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OTTAWA COUNTY.

429

has also been discovered in digging for wells. Potter's clay is found in many localities, and good pottery ware has been manufactured from it, about eight miles southwest from Minneapolis. No profitable beds of gypsum have been found, but a few crystals exist in the clay of the western part of the county. The waters of the Solomon are salt enough for stock use, and on the margin of Salt creek, during low water, salt is found incrustated.

TABLE showing the mechanical and manufacturing industries.

NAME OF BUSINESS.	Number of establishments.....	Amount of capital invested.	Motive power....	Average No. of hands employed.	Total amount paid in wages during the year.	Value of	
						Raw material used.....	Product....
Flouring mills.....	5	\$45,000	Water.	11	\$7,400	\$72,600	\$107,000
Washing machine factory	1	1,500	Hand.	3	100	252	2,000
Total.....	6	\$46,500	.....	14	\$7,500	\$72,852	\$109,000

FARM AND CROP STATISTICS.

TABLE showing acres, product and value of field crops in the county for 1885 and 1886.

CROPS.	1885.			1886.		
	Acres.	Product.	Value.	Acres.	Product.	Value.
Winter wheat.....bu.	29,008	232,064	\$139,238 00	22,469	314,566	\$157,283 00
Rye.....bu.	2,674	48,132	14,439 60	1,567	23,505	8,227 00
Spring wheat.....bu.	96	768	461 00	121	1,210	605 00
Corn.....bu.	53,307	2,668,815	480,386 70	75,528	1,812,672	362,534 40
Barley.....bu.	82	1,640	738 00	64	1,280	384 00
Oats.....bu.	11,046	441,840	79,531 20	14,351	430,530	94,716 60
Buckwheat.....bu.	17	204	133 00	32	480	384 00
Irish potatoes.....bu.	862	107,750	53,875 00	1,095	65,700	39,420 00
Sweet potatoes.....bu.	50	5,000	5,000 00	14	1,400	1,400 00
Sorghum.....bu.	236	.....	7,889 00	334	.....	11,149 00
Castor beans.....bu.	.....	.....	.....	6	60	90 00
Cotton.....lbs.	.....	.....	.....	.....	.....	.....
Flax.....bu.	3	24	24 00	1	10	9 00
Hemp.....lbs.	.....	.....	.....	.....	.....	.....
Tobacco.....lbs.	.....	.....	.....	.....	.....	.....
Broom corn.....lbs.	81	48,600	1,701 00	230	115,000	4,025 00
Millet and Hungarian... tons	3,573	10,719	53,595 00	4,633	9,266	37,064 00
Timothy.....tons	632	.....	.....	1,128	.....	.....
Clover.....tons	217	.....	.....	264	.....	.....
Orchard grass.....tons	245	2,704	10,816 00	517	4,181	23,125 00
Blue grass.....tons	74	.....	.....	182	.....	.....
Other tame grasses.....	184	.....	.....	608	.....	.....
Prairie, under fence.....tons	49,964	26,499	105,996 00	32,010	32,653	130,612 00
Total.....	158,351	.....	\$953,843 50	155,154	.....	\$871,028 00

Wheat on hand—March 1, 1885, 98,823 bushels; March 1, 1886, 78,676 bushels.
Corn on hand—March 1, 1885, 482,434 bushels; March 1, 1886, 668,179 bushels.

Area of county, 460,800 acres. For 1885: Acres under fence, 89,094; acres in farms, not under fence, 226,825; total number of acres in farms, 315,919; per cent. of total area of county in farms, 69; acres under cultivation, including prairie under fence, 178,963; value of farms, \$4,979,736; value of farming implements, \$124,550. For 1886: Acres under fence, 111,025; acres in farms, not under fence, 220,874;

Fifth biennial report of the Kansas State Board of Agriculture

430

KANSAS STATE BOARD OF AGRICULTURE.

total number of acres in farms, 331,899; per cent. of total area of county in farms, 72; acres under cultivation, including prairie under fence, 184,580; value of farms, \$5,839,030; value of farming implements, \$92,877.

LIVE STOCK.

TABLE showing the number, value and mortality of live stock for 1885 and 1886.

LIVE STOCK.	1885.		1886.		Mortality.		Herd law, in force.
	No.	Value.	No.	Value.	1885.	1886.	
Horses.....	6,187	\$494,960	7,617	\$685,530	139	151	
Mules and asses.....	693	62,370	763	76,300	16	20	
Milch cows.....	6,597	164,925	7,980	199,500	105	108	
Other cattle.....	15,295	428,260	18,177	508,950	414	437	
Sheep.....	15,841	31,682	15,174	30,348	*1,382	961	
Swine.....	33,689	202,134	27,889	167,334	2,752	20,774	
Total.....	78,302	\$1,384,331	77,600	\$1,667,968	4,808	22,451	

* Including the number of head killed by dogs.

Number of dogs in county, March 1, 1885.....1,576
Number of dogs in county, March 1, 1886.....1,734

SUMMARY

SHOWING the amount and value of farm products for the years ending March 1, 1885, and March 1, 1886.

PRODUCTS.	1885.		1886.	
	Amount.	Value.	Amount.	Value.
Field crops.....acres	158,351	\$953,843 50	155,154	\$871,028 00
Animals slaughtered and sold for slaughter.....		391,191 00		346,497 00
Value of the increase in live stock.....		224,696 00		214,837 00
Wool clip.....lbs.	86,156	13,784 96	105,490	18,988 20
Butter.....lbs.	367,281	55,092 15	427,304	64,095 60
Cheese.....lbs.	3,725	447 00	2,214	265 68
Honey and bees-wax.....lbs.	895	79 00	581	116 20
Milk sold.....		3,647 00		3,693 00
Horticultural products marketed.....		13,982 00		1,995 00
Wine manufactured.....gal.	469	703 50	392	588 00
Garden products marketed.....		2,408 00		2,695 00
Poultry and eggs sold.....		13,461 00		14,628 00
Wood marketed.....		1,609 00		1,422 00
Total.....		\$1,674,944 11		\$1,540,848 68

RANK OF COUNTY in population, assessed valuation, acres under cultivation, total value of farm products, acreage of wheat and corn, and the number of live stock named below, for the years 1885 and 1886.

YEARS.	Popula- tion.	Assess- ed val- uation.	Acres under cultiva- tion.	Value of farm prod- ucts.	Wheat, acres.	Corn, acres.	Horses and mules.	Cattle.	Sheep.	Swine.
1885.....	50	50	43	39	14	47	49	47	20	36
1886.....	48	55	46	45	14	34	40	39	12	28

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—OTTAWA COUNTY.

431

HORTICULTURE, ETC.

FRUIT TREES.	1885.	1886.	SMALL FRUITS—ACRES.	1885.	1886.
<i>Number of trees in bearing.</i>			Raspberries... ..	22	151
Apple.....	12,817	18,207	Blackberries... ..	46	54
Pear.....	539	370	Strawberries... ..	12	21
Peach.....	65,547	33,503	Total.....	80	226
Plum.....	4,827	3,675			
Cherry.....	7,587	9,805	ARTIFICIAL FOREST.		
Total.....	91,317	65,560		1885.	1886.
<i>Number not in bearing.</i>			<i>Acres of trees one year old and over.</i>		
Apple.....	57,763	62,911	Walnut.....	120	129
Pear.....	1,525	2,407	Maple.....	62	55
Peach.....	82,320	59,339	Honey locust.....	3	6
Plum.....	11,002	5,821	Cottonwood.....	1,632	1,458
Cherry.....	14,847	17,410	Other varieties.....	951	717
Total.....	167,457	147,888	Total.....	2,768	2,365
			Acres in nurseries.....	188	404
			Acres in vineyards.....	31	30

CHURCHES.

TABLE showing the number of church organizations, aggregate membership, number of church edifices, and the value of church property in the county, belonging to the denominations named, for 1886.

DENOMINATIONS.	No. of church organizations.	Aggregate membership.	No. of church edifices.	Value of church property.
African Methodist Episcopal.....	1	23	1	\$ 600
Baptist.....	4	160	2	6,000
*Christian.....	4	142		
Lutheran.....	2	75	1	4,000
Methodist Episcopal.....	5	600	4	9,400
Presbyterian.....	8	247	4	8,000
*Roman Catholic.....	1	41		
Universalist.....	1	75	1	2,500
Wesleyan Methodist.....	3	82	1	1,000
Total.....	29	1,445	14	\$31,500

* Statistics of 1884 and 1885. No return for 1886.

SCHOOLS.

Number of organized districts, 100; school population for 1886, 5,166. Average monthly wages paid teachers: males, \$40; females, \$30. Total value of school property in county, \$50,000.

NEWSPAPERS.

The *Minneapolis Messenger* (Republican). A. P. Riddle, editor and proprietor, Minneapolis.

Solomon Valley Democrat (Democratic). Park S. Warren, managing editor, Minneapolis.

Kansas Workman (A. O. U. W.). A. P. Riddle, editor and proprietor, Minneapolis.

Fifth biennial report of the Kansas State Board of Agriculture

432

KANSAS STATE BOARD OF AGRICULTURE.

Sprig of Myrtle (Knights of Pythias). A. P. Riddle, editor and proprietor, Minneapolis.

Ottawa County Commercial (Independent). H. R. Campbell, managing editor, Minneapolis.

Delphos Carrier (Republican). W. B. and C. M. Davis, editors and proprietors, Delphos.

Bennington Star. D. B. London, editor and proprietor, Bennington.

BANKS IN COUNTY.

NAME OF BANK.	President.	Cashier.	Post-office address.	Paid-up capital.	Surplus.
First National Bank...	Jacob Campbell...	J. S. Adair	Minneapolis ..	\$50,000	\$2,000
J. W. Smith & Co.			Minneapolis ..	40,000	5,000
Bank of Delphos.	Sexton & Billings..	Geo. M. Billings...	Delphos	35,000	.....
Ottawa County Bank...	A. N. Schuster.	Walter Scott.	Minneapolis. .	32,250	.....
Bank of Bennington. .	A. Gilbert & Co. .	David Binns.	Bennington ...	12,000	.....

LIST of county officers for 1887, with post-office address of each.

Officer.	Name.	Post-office address.
County Clerk.....	W. W. Walker, Jr.....	Minneapolis.
Treasurer.....	Theodore Lord.....	Minneapolis.
Sheriff.....	S. J. Powell.....	Minneapolis.
Clerk District Court.....	A. W. Wakefield.....	Minneapolis.
Probate Judge.....	W. D. Thompson.....	Minneapolis.
Register of Deeds.....	B. F. Billingsley.....	Minneapolis.
Attorney.....	D. C. Chipman.....	Minneapolis.
Superintendent of Schools.....	A. F. Warrington.....	Minneapolis.
Surveyor.....	D. R. Crosby.....	Minneapolis.
Coroner.....	M. Bush.....	Verdi.
Commissioners	W. H. Washburn.....	Minneapolis.
	Geo. Mackenzie	Minneapolis.
	F. S. Trew.....	Minneapolis.

POST-OFFICES.

Ackley, Ada, Bennington, Braid, Culver, Delphos, Lamar,	Lindsey, Melville, MINNEAPOLIS (C. H.), Nilesville, Penquite, Pipe Creek, Summerville,	Tescot, Verdi, Vine Creek, Yale, Widerange, Windsor.
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PAWNEE COUNTY.

Lies in the southwestern part of the State, is the fourth county north from the Indian Territory and the fourth east from the Colorado State line. It was organized in 1872, with a territory of 756 square miles, and now ranks as the seventy-first county in population. There are 8.54 persons to each square mile. The city of Larned, lying on the north bank of the Arkansas river in the east-central portion, is the county seat, has a population of 2,115, and ranks as the fiftieth city in the State in size. The town of Garfield, in the southwestern portion, although not having a large population, is a place of considerable importance to the surrounding country.

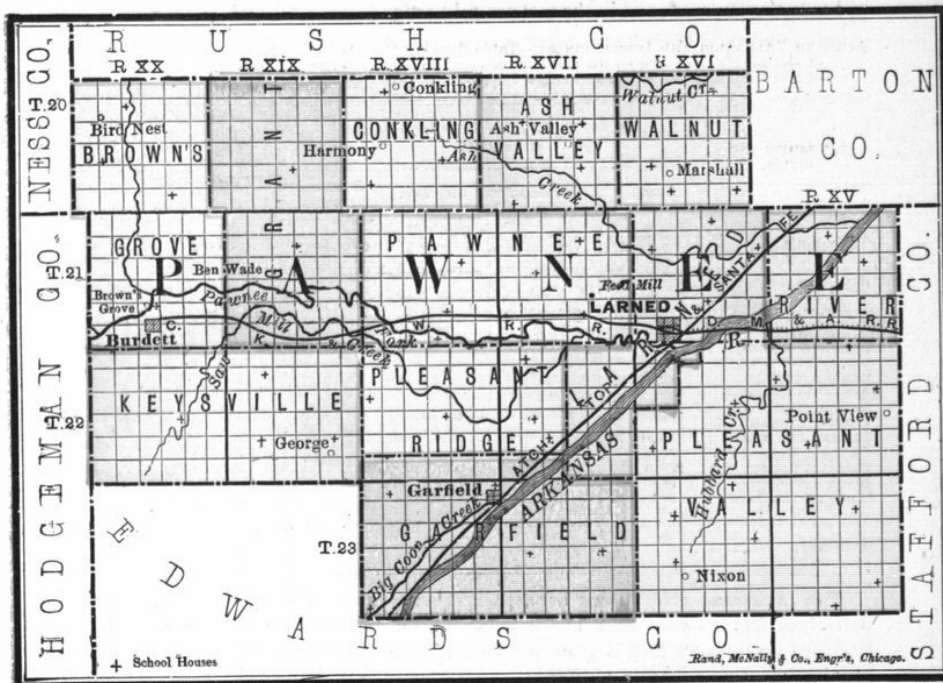
Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PAWNEE COUNTY.

433

The general surface is an undulating prairie; south of the Arkansas river it is nearly level, while north of that stream the land is more rolling. The bottoms of the Arkansas average four miles in width, and these, with the other valleys, constitute 25 per cent. of the county area.

MAP OF PAWNEE COUNTY, KANSAS, 1887.



POPULATION.—Table showing population by nativity, race and sex, for 1885, and total population for 1886, by townships and cities.

TOWNSHIPS AND CITIES.	Native.	Foreign.	White.	Colored.	Male.	Female.	Total.	
							1885.	1886.
Ash Valley township.....	204	16	213	7	120	100	220	222
Brown's Grove township.....	415	66	480	1	263	218	481	290
Conkling township.....	126	6	132		75	57	132	132
Garfield township.....	320	45	365		192	173	365	422
Grant township.....	162	26	188		103	85	188	148
Keyesville township.....								262
Larned city.....	1,409	98	1,409	38	795	712	1,507	2,115
Larned township.....	649	47	685	11	371	325	696	683
Pawnee township.....	353	22	362	13	190	176	375	438
Pleasant Ridge township.....	242	15	257		136	121	257	269
Pleasant Valley township.....	592	80	659	13	366	306	672	863
River township.....	226	31	257		140	117	257	313
Walnut township.....	235	31	266		150	116	266	305
Total.....	4,933	483	5,333	83	2,910	2,506	5,416	6,462

Fifth biennial report of the Kansas State Board of Agriculture

434

KANSAS STATE BOARD OF AGRICULTURE.

Timber is not plentiful, the belts on the streams averaging from eight to ten rods in width, and containing the following principal varieties of trees: Elm, walnut, ash, cottonwood and box-elder.

Magnesian and common limestone are found in the north and northwestern portions, while a good quality of sandstone is quarried near the city of Larned. An ochre exists on section 5, township 20, range 16, twelve miles north of Larned. Fire and potter's clay are found in the east-central portion.

ASSESSED VALUATION AND INDEBTEDNESS.—Table showing the assessed valuation and indebtedness of the county, total school district indebtedness, and the assessed valuation and indebtedness of the municipal townships and cities, for 1886.

TOWNSHIPS AND CITIES.	Assessed valuation of the different kinds of property.				Total assessed valuation.	Indebtedness, July 1, 1886.
	Land.	Personal.	City lots.	Railroad property.		
The county	\$1,487,215 00	\$566,509 00	\$449,053 00	\$272,259 00	\$2,775,036 00	\$24,000 00
School districts						15,596 00
Ash Valley township	\$ 73,260 00	\$ 11,495 00			\$ 84,755 00	
Brown's Grove tw'p.	105,245 00	18,995 00	\$ 5,056 00		129,296 00	
Conkling township.	56,825 00	3,840 00			60,665 00	
Garfield township.	163,920 00	33,660 00	15,257 00	\$101,390 34	314,227 34	
Grant township	107,630 00	13,585 00			121,215 00	
Keysville township.	99,185 00	13,065 00			112,250 00	
Larned city	222,430 00	353,295 00	428,740 00	131,307 56	1,135,772 56	
Pawnee township.	153,560 00	42,895 00			196,455 00	
Pleasant Ridge tw'p.	92,055 00	11,335 00		13,528 67	116,918 67	
Pleasant Valley tw'p.	260,445 00	34,560 00			295,005 00	
River township.....	69,910 00	14,412 00		26,032 43	110,354 43	
Walnut township ..	82,750 00	15,372 00			98,122 00	
Total						\$39,586 00

The Arkansas river flows across the county from southwest to northeast. Ash creek and Pawnee Fork are tributaries from the northwest and west, while Hubbard creek flows into it from the south. Big Coon creek, flowing northeast, empties into the Arkansas at the town of Garfield. Saw Mill creek, with a general eastern direction, is a tributary of Pawnee Fork, meeting that stream three miles to the west of Larned. Walnut creek, in the northeastern portion, crosses and recrosses the northern boundary, and has a course of about four and a half miles in the county. Springs are abundant, while well water is reached at a depth of from six to ten feet on the Arkansas bottom, and at an average depth of twenty feet on the uplands.

TABLE showing the mechanical and manufacturing industries.

NAME OF BUSINESS.	Number of establishments.....	Amount of capital invested.	Motive power.....	Average No. of hands employed.	Total amount paid in wages during the year.	Value of	
						Raw material used..	Product...
Creamery	1	\$ 8,000	Steam.	7	\$ 3,000	\$ 9,491	\$ 14,000
Flouring mills	4	65,000	Steam & water.	19	10,200	120,900	187,400
Wind-mill factory and foundry.....	1	3,000	Steam.	6	2,080	1,275	4,500
Total.....	6	\$76,000		32	\$15,280	\$131,666	\$205,900

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PAWNEE COUNTY.

435

FARM AND CROP STATISTICS.

Area of county, 483,840 acres. For 1885: Acres under fence, 31,893; acres in farms, not under fence, 138,018; total number of acres in farms, 169,851; per cent. of total area of county in farms, 35; acres under cultivation, including prairie under fence, 64,428; value of farms, \$1,389,959; value of farming implements, \$45,760. For 1886: Acres under fence, 53,614; acres in farms, not under fence, 150,191; total number of acres in farms, 203,805; per cent. of total area of county in farms, 42; acres under cultivation, including prairie under fence, 96,875; value of farms, \$2,028,490; value of farming implements, \$41,993.

TABLE showing acres, product and value of field crops in the county for 1885 and 1886.

CROPS.	1885.			1886.		
	Acres.	Product.	Value.	Acres.	Product.	Value.
Winter wheat.....bu.	10,106	101,060	\$ 65,689 00	16,138	242,070	\$121,035 00
Rye.....bu.	4,271	42,710	17,084 00	5,592	83,430	33,372 00
Spring wheat.....bu.	1,382	8,892	5,780 00	545	5,450	2,725 00
Corn.....bu.	9,910	247,750	54,505 00	17,019	425,475	106,368 75
Barley.....bu.	3,649	72,980	21,894 00	2,846	56,920	17,076 00
Oats.....bu.	4,887	146,510	36,627 50	4,965	148,950	37,237 50
Buckwheat.....bu.				32	480	288 00
Irish potatoes.....bu.	327	32,700	16,350 00	525	36,750	22,050 00
Sweet potatoes.....bu.	16	1,280	1,280 00	29	2,900	2,900 00
Sorghum.....bu.	4,690		108,805 00	2,288		53,768 00
Castor beans.....bu.	10	80	100 00			
Cotton.....lbs.						
Flax.....bu.	80	720	720 00	13	130	117 00
Hemp.....lbs.						
Tobacco.....lbs.						
Broom corn.....lbs.	1,308	784,800	27,408 00	2,745	1,647,000	57,645 00
Millet and Hungarian.....tons	8,101	20,253	81,012 00	7,655	15,310	61,240 00
Timothy.....				67		
Clover.....	17			48		
Orchard grass.....tons	1	52	208 00	3	210	1,246 00
Blue grass.....	2					
Other tame grasses.....	6			6		
Prairie, under fence.....tons	7,619	25,547	102,188 00	23,640	7,130	28,520 00
Total.....	56,322		\$539,710 50	84,126		\$545,588 25

Wheat on hand—March 1, 1885, 97,612 bushels; March 1, 1886, 18,076 bushels.
Corn on hand—March 1, 1885, 14,991 bushels; March 1, 1886, 32,255 bushels.

LIVE STOCK.

TABLE showing the number, value and mortality of live stock for 1885 and 1886.

LIVE STOCK.	1885.		1886.		Mortality.	
	No.	Value.	No.	Value.	1885.	1886.
Horses.....	2,923	\$233,840	3,668	\$330,120	146	80
Mules and asses.....	465	41,850	503	50,300	7	6
Milch cows.....	3,878	96,950	3,710	92,750	231	183
Other cattle.....	10,750	301,000	8,810	246,680	826	509
Sheep.....	23,900	47,800	11,856	23,712	*4,019	5,034
Swine.....	2,938	17,628	5,574	33,444	148	638
Total.....	44,854	\$739,068	34,121	\$777,006	5,377	6,450

* Including the number of head killed by dogs.

Number of dogs in county, March 1, 1885..... 715
Number of dogs in county, March 1, 1886..... 810

Fifth biennial report of the Kansas State Board of Agriculture

436

KANSAS STATE BOARD OF AGRICULTURE.

SUMMARY

SHOWING the amount and value of farm products for the years ending March 1, 1885, and March 1, 1886.

PRODUCTS.	1885.		1886.	
	Amount.	Value.	Amount.	Value.
Field crops.....acres	56,322	\$539,710 50	84,126	\$545,588 25
Animals slaughtered and sold for slaughter.....		34,449 00		38,268 00
Value of the increase in live stock.....		127,147 00		4,058 00
Wool clip.....lbs.	146,806	23,408 96	88,266	15,447 88
Butter.....lbs.	111,922	16,788 80	129,751	19,462 05
Cheese.....lbs.	1,905	228 60	640	76 80
Honey and bees-wax.....lbs.	175	35 00		
Milk sold.....		2,811 00		4,514 00
Horticultural products marketed.....		180 00		
Wine manufactured.....gal.	30	80 00		
Garden products marketed.....		5,135 00		6,306 00
Poultry and eggs sold.....		9,038 00		10,792 00
Wood marketed.....		43 00		10 00
Total.....		\$758,504 36		\$644,423 58

HORTICULTURE, ETC.

FRUIT TREES.	1885.	1886.	SMALL FRUITS—ACRES.	1885.	1886.
<i>Number of trees in bearing.</i>			Raspberries.....		16
Apple.....	504	687	Blackberries.....		4
Pear.....	45	40	Strawberries.....		3
Peach.....	3,347	2,349	Total.....		23
Plum.....	10,578	156			
Cherry.....	380	570	ARTIFICIAL FOREST.	1885.	1886.
Total.....	14,854	3,802	<i>Acres of trees one year old and over.</i>		
<i>Number not in bearing.</i>			Walnut.....	25	35
Apple.....	5,094	9,078	Maple.....	1	35
Pear.....	471	793	Honey locust.....	28	105
Peach.....	17,345	13,472	Cottonwood.....	245	380
Plum.....	3,197	1,374	Other varieties.....	132	434
Cherry.....	2,071	3,316	Total.....	431	989
Total.....	28,178	28,633	Acres in nurseries.....		
			Acres in vineyards.....	1	3

RANK OF COUNTY in population, assessed valuation, acres under cultivation, total value of farm products, acreage of wheat and corn, and the number of live stock named below, for the years 1885 and 1886.

YEARS.	Popu- lation.	Asses- sed val- uation.	Acres under cultiva- tion.	Value of farm pro- ducts.	Wheat, acres.	Corn, acres.	Horses and mules.	Cattle.	Sheep.	Pigs.
1885.....	71	60	67	67	44	72	67	64	8	68
1886.....	71	56	65	71	28	75	68	66	19	69

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PAWNEE COUNTY.

437

CHURCHES.

TABLE showing the number of church organizations, aggregate membership, number of church edifices, and the value of church property in the county, belonging to the denominations named, for 1886.

DENOMINATIONS.	No. of church organizations.	Aggregate membership.	No. of church edifices.	Value of church property.
African Methodist Episcopal.....	1	6		
Baptist.....	3	106	3	\$ 5,600
*Christian.....	1	75		
Congregational.....	1	31	1	2,000
Lutheran.....	2	88		
Methodist Episcopal.....	3	346	2	8,300
Presbyterian.....	3	153	1	10,000
Total.....	14	805	7	\$25,900

* Statistics of 1884 and 1885. No return for 1886.

SCHOOLS.

Number of organized districts, 60; school population for 1886, 2,248. Average monthly wages paid teachers: males, \$42.40; females, \$34.50. Total value of school property in county, \$43,240.

NEWSPAPERS.

The *Larned Chronoscope* (Republican). Howard Russell, editor; J. W. Rush and Howard Russell, publishers, Larned.

The *Larned Weekly Eagle Optic* (Democratic). Thomas E. Leftwich, managing editor; A. B. Leftwich, business manager; Optic Steam Printing Co., publishers, Larned.

The *Pawnee Republican* (Republican). W. B. Robey and E. E. Stevens, editors and publishers, Larned.

The *Burdett Bugle* (Democratic). J. C. Brown, manager; Optic Steam Printing Co., publishers, Burdett.

BANKS IN COUNTY.

NAME OF BANK.	President.	Cashier.	Post-office address.	Paid-up capital.	Surplus.
First National Bank.....	J. W. Rush . . .	John C. Fry.....	Larned.....	\$100,000	\$50,000
Larned State Bank.....	Clark Gray . . .	W. S. Park.....	Larned.....	60,000	
Phoenix Bank.....	W. C. Edwards..	F. A. Dewey.....	Larned.....	60,000	
Pawnee County Bank...	Chas. R. Munger	F. J. Mathies . . .	Larned.....	25,000	

LIST of county officers for 1887, with post-office address of each.

Officer.	Name.	Post-office address.
County Clerk.....	Jas. F. Whitney.....	Larned.
Treasurer.....	W. H. Brown.....	Larned.
Sheriff.....	W. A. DeMoss.....	Larned.
Clerk District Court.....	D. M. Rose.....	Larned.
Probate Judge.....	W. P. Peter.....	Larned.
Register of Deeds.....	Geo. A. Sells.....	Larned.
Attorney.....	Nelson Adams.....	Larned.
Superintendent of Schools.....	A. H. Luffer.....	Larned.
Surveyor.....	S. S. Dickinson.....	Larned.
Coroner.....	W. M. Rhea.....	Larned.
Commissioners.....	H. Pratt.....	Larned.
	Geo. A. Fell.....	Larned.
	D. B. Wolcott.....	Garfield.

Fifth biennial report of the Kansas State Board of Agriculture

438

KANSAS STATE BOARD OF AGRICULTURE.

POST-OFFICES.

Ash Valley,
Ben Wade,
Bird Nest,
Brown's Grove,

Conkling,
Garfield,
George,
Harmony,

LARNED (C. H.),
Marshall,
Nixon,
Point View.

PHILLIPS COUNTY.

Is a member of the northern tier of counties, the fifth east from the Colorado State line. It ranks as the fifty-sixth county in population, was organized in 1872, and has 900 square miles of territory. It has, to the square mile, 13.53 people. The town of Phillipsburg, lying a little south of the center, is the county seat, and has a population of 462. The city of Kirwin, lying at the junction of the North Fork of the Solomon and Deer creek, in the southeastern portion, has a population of 966, and is the largest place in the county. The United States office for the northwestern land district of Kansas is located at this point. The town of Logan, lying on the North Fork of the Solomon, in the southwestern portion, has a population of 516, and is a place of considerable commercial importance.

POPULATION.—Table showing population by nativity, race and sex, for 1885, and total population for 1886, by townships and cities.

TOWNSHIPS AND CITIES.	Native ...	Foreign ...	White ...	Colored ...	Male ...	Female ...	Total.	
							1885.	1886.
Arcade township.....	427	7	427	7	235	199	434	514
Beaver township.....	304	17	321	17	171	150	321	387
Belmont township.....	352	29	355	26	205	176	381	440
Bow Creek township.....	275	21	296	155	141	296	366	
Crystal township.....	387	46	433	225	208	433	222	
Dayton township.....	248	36	284	155	129	284	334	
Deer Creek township.....	362	17	409	215	194	409	403	
Freedom township.....	322	20	342	182	160	342	389	
Glenwood township.....	338	20	358	195	163	358	408	
Granite township.....	416	18	434	234	200	434	514	
Greenwood township.....	397	6	403	218	185	403	451	
Kirwin city.....	748	76	806	18	434	390	824	966
Kirwin township.....	381	31	412	224	188	412	1,236	1,401
Logan city.....	278	22	300	150	150	300	435	
Logan township.....	236	15	251	128	123	251	551	780
Long Island township.....	562	53	615	338	277	615	615	
Mound township.....	243	95	338	177	161	338	842	
Phillipsburg city.....	309	7	316	160	156	316	462	411
Phillipsburg township.....	343	17	360	202	158	360	676	894
Plum township.....	403	22	425	232	193	425	425	530
Plain View township.....	145	11	140	81	75	140	156	265
Prairie View township.....	272	53	325	160	165	325	325	461
Rushville township.....	272	10	284	145	137	282	282	336
Solomon township.....	495	21	505	277	239	505	516	640
Summer township.....	285	22	307	181	126	307	307	393
Towanda township.....	187	9	196	113	83	196	196	219
Valley township.....	322	22	344	185	159	344	344	371
Walnut township.....	299	22	321	186	135	321	321	210
Total.....	9,638	745	10,287	96	5,563	4,820	10,383	12,181

The general surface presents the appearance of a gently rolling prairie, with limestone bluffs occurring on the south side of the principal streams. Bottom-lands are narrow, and, in the aggregate, cover 15 per cent. of the county area.

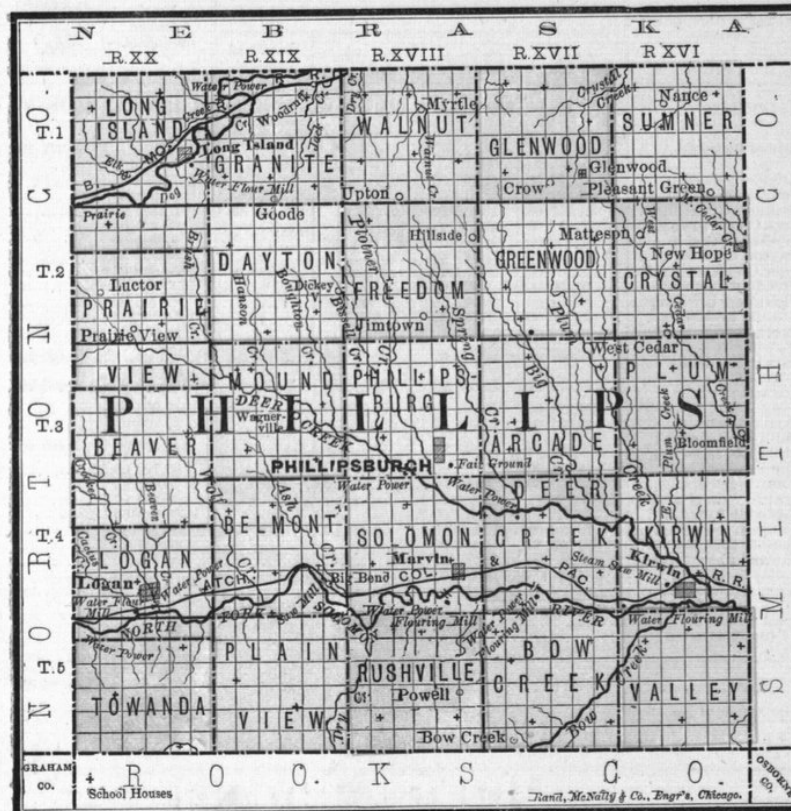
Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PHILLIPS COUNTY.

439

Timber belts on the streams are very narrow, cottonwood, elm, ash, walnut and box-elder being the principal varieties of trees.

MAP OF PHILLIPS COUNTY, KANSAS, 1887.



The North Fork of the Solomon river enters the county from the west, six miles north of the southwestern corner. It has a general eastern direction, and crosses the eastern border six miles north of the southeastern corner. Its tributaries from the south and southwest are Dry and Bow creeks, while those from the northwest and north are: Deer, Ash, Wolf, Beaver, Crooked and Cactus creeks. Deer creek has its source in the west-central portion, and has, as tributaries from the northwest: Brush, Hanson, Boughton, Bissell, Plotner, Spring, Big, Plum and East Plum creeks. Prairie Dog creek flows northeast, across the northwestern corner, and has Elk creek from the west, and Jack and Dry creeks from the south, as its tributaries. Walnut and Crystal creeks have their sources in the northern portion, and flow north and northeast over the northern boundary. Middle and West Cedar creeks have their head-waters in the northeastern portion, and flow southeast over the eastern border. A few small springs are found on the margins of streams, but are exceedingly rare on the uplands. Well water is reached at an average depth of ten feet on the bottoms, and at a much greater depth on the uplands.

Fifth biennial report of the Kansas State Board of Agriculture

440

KANSAS STATE BOARD OF AGRICULTURE.

ASSESSED VALUATION AND INDEBTEDNESS.—Table showing the assessed valuation and indebtedness of the county, total school district indebtedness, and the assessed valuation and indebtedness of the municipal townships and cities, for 1886.

TOWNSHIPS AND CITIES.	Assessed valuation of the different kinds of property				Total assessed valuation.	Indebtedness, July 1, 1886.
	Land.	Personal.	City lots.	Railroad property.		
The county.....	\$1,391,229 00	\$448,748 00	\$161,274 00	\$236,341 78	\$2,237,592 78	\$59,000 00
School districts.....						35,775 50
Arcade township.....	\$ 61,303 00	\$15,161 00			\$ 76,464 00	
Beaver township.....	42,064 00	8,814 00			50,878 00	
Belmont township.....	51,557 00	10,510 00		\$36,327 98	98,394 98	
Bow Creek township.....	51,919 00	10,556 00			62,475 00	
Crystal township.....	48,209 00	12,343 00	\$ 352 00		60,904 00	
Dayton township.....	37,294 00	8,423 00			45,717 00	
Deer Creek township.....	84,102 00	20,584 00		31,983 69	136,669 00	
Freedom township.....	49,066 00	9,823 00			58,889 00	
Glenwood township.....	55,356 00	6,931 00	114 00		62,401 00	
Granite township.....	48,166 00	16,956 00	6,217 00		71,339 00	
Greenwood township.....	42,615 00	11,605 00			54,220 00	
Kirwin city.....	97,527 00	84,617 00	73,394 00	33,428 19	288,966 19	18,000 00
Logan city.....						
Logan township.....	57,070 00	39,588 00	23,923 00	32,684 75	153,265 75	18,000 00
Long Island township.....	106,211 00	45,928 00	17,766 00		169,905 00	
Mound township.....	53,031 00	10,708 00			63,739 00	
Phillipsburg city.....	69,108 00	43,951 00	29,414 00		142,473 00	3,000 00
Phillipsburg tw'p.....						
Plum township.....	74,764 00	19,035 00			93,799 00	
Plain View township.....	30,104 00	9,981 00			40,085 00	
Prairie View township.....	36,884 00	8,400 00			45,284 00	
Rushville township.....	27,546 00	5,472 00			33,018 00	
Solomon township.....	75,979 00	14,902 00	10,094 00	32,195 44	133,170 44	
Sumner township.....	53,673 00	9,154 00			62,827 00	
Towanda township.....	30,478 00	5,767 00			36,245 00	
Valley township.....	62,314 00	13,409 00			75,723 00	
Walnut township.....	44,889 00	6,130 00			51,019 00	
Total assessed valuation of B. K. & S. W. R. R. in county (undistributed).....				69,721 73	69,721 73	
Total.....						\$133,775 50

TABLE showing the mechanical and manufacturing industries.

NAME OF BUSINESS.	Number of establishments.....	Amount of capital invested.	Motive power.....	Average No. of hands employed.	Total amount paid in wages during the year.	Value of	
						Raw material used.....	Product.....
Creamery.....	1	\$ 3,500	Steam.	9	\$2,000	\$ 4,000	\$ 7,500
Feed mills.....	2	1,350	Water & steam.	3	1,500	8,040	12,000
Flouring mills.....	5	46,000	Water.	14	6,800	66,020	87,652
Total.....	8	\$50,850		26	\$10,300	\$78,060	\$107,152

Magnesian limestone, of excellent quality, is found in nearly every portion, and is quarried extensively. Fire-clay is found near the town of Phillipsburg, and potter's clay in the northwestern portion. A good clay, from which bricks are manufactured, is abundant. Many of the best buildings in the county, including the county court house, are constructed of it. In the eastern portion a large bed of fine sand exists.

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PHILLIPS COUNTY.

441

that would answer the purpose of window-glass making. Gypsum is found in the southern and northwestern portions.

FARM AND CROP STATISTICS.

Area of county, 576,000 acres. For 1885: Acres under fence, 40,810; acres in farms, not under fence, 266,244; total number of acres in farms, 306,554; per cent. of total area of county in farms, 53; acres under cultivation, including prairie under fence, 104,451; value of farms, \$2,325,199, value of farming implements, \$89,026. For 1886: Acres under fence, 55,400, acres in farms, not under fence, 284,043; total number of acres in farms, 339,443; per cent. of total area of county in farms, 60; acres under cultivation, including prairie under fence, 129,175; value of farms, \$3,158,686; value of farming implements, \$122,585.

TABLE showing acres, product and value of field crops in the county for 1885 and 1886.

CROPS.	1885.			1886.		
	Acres.	Product.	Value.	Acres.	Product.	Value.
Winter wheat.....bu.	5,399	43,192	\$ 21,596 00	7,834	109,076	\$ 65,806 00
Rye.....bu.	10,022	150,390	48,105 60	8,303	124,545	49,818 00
Spring wheat.....bu.	11,096	133,152	66,576 00	8,533	102,396	51,193 00
Corn.....bu.	47,407	2,133,315	383,960 70	63,477	1,904,310	380,862 00
Barley.....bu.	3,481	69,630	17,405 00	1,652	33,840	10,152 00
Oats.....bu.	5,393	134,825	20,323 75	6,984	174,600	38,412 00
Buckwheat.....bu.	59	885	442 50	23	345	258 75
Irish potatoes.....bu.	1,372	137,200	48,020 00	1,530	153,000	76,500 00
Sweet potatoes.....bu.	20	1,600	1,600 00	65	6,500	6,500 00
Sorghum.....bu.	1,514		35,579 00	665		15,611 00
Castor beans.....bu.						
Cotton.....lbs.	2	560	44 80			
Flax.....bu.	15	120	120 00	14	140	126 00
Hemp.....lbs.						
Tobacco.....lbs.						
Broom corn.....lbs.	250	150,000	4,500 00	1,165	699,000	24,465 00
Millet and Hungarian.....tons	8,472	25,416	127,080 00	8,353	16,706	66,824 00
Timothy.....	3,667			85		
Clover.....	10			7		
Orchard grass.....tons		7,360	29,440 00	29	196	1,122 00
Blue grass.....				3		
Other tame grasses.....	3			4		
Prairie, under fence.....tons	2,298	14,320	57,380 00	15,048	18,068	72,272 00
Total.....	100,480		\$862,009 35	123,814		\$859,921 75

Wheat on hand—March 1, 1885, 99,361 bushels; March 1, 1886, 36,527 bushels.

Corn on hand—March 1, 1885, 416,331 bushels; March 1, 1886, 678,463 bushels.

RANK OF COUNTY in population, assessed valuation, acres under cultivation, total value of farm products, acreage of wheat and corn, and the number of live stock named below, for the years 1885 and 1886.

YEARS.	Popu- lation.	Assess- ed val- uation.	Acres under cultiva- tion.	Value of farm pro- ducts.	Wheat, acres.	Corn, acres.	Horses and mules.	Cattle.	Sheep.	Swine.
1885.....	56	65	61	55	42	55	56	60	21	51
1886.....	56	65	59	55	37	44	50	56	21	22

SCHOOLS.

Number of organized districts, 120; school population for 1886, 5,030. Average monthly wages paid teachers, and the total value of school property in county, not returned.

Fifth biennial report of the Kansas State Board of Agriculture

442

KANSAS STATE BOARD OF AGRICULTURE.

LIVE STOCK.

TABLE showing the number, value and mortality of live stock for 1885 and 1886.

LIVE STOCK.	1885.		1886.		Mortality.		Herd law, in force.
	No.	Value.	No.	Value.	1885.	1886.	
Horses.....	4,758	\$380,640	6,574	\$591,660	161	118	
Mules and asses.....	458	41,220	559	55,900	9	7	
Milch cows.....	5,258	131,450	6,726	168,150	167	72	
Other cattle.....	10,535	294,980	12,364	346,192	796	413	
Sheep.....	14,972	29,944	10,287	20,574	*4,050	523	
Swine.....	23,614	141,684	31,338	188,028	1,284	2,090	
Total.....	59,595	\$1,019,918	67,848	\$1,370,504	6,467	3,223	

* Including the number of head killed by dogs.

Number of dogs in county, March 1, 1885.....1,721
Number of dogs in county, March 1, 1886.....2,020

SUMMARY

SHOWING the amount and value of farm products for the years ending March 1, 1885, and March 1, 1886.

PRODUCTS.	1885.		1886.	
	Amount.	Value.	Amount.	Value.
Field crops.....acres	100,480	\$862,009 35	123,814	\$859,921 75
Animals slaughtered and sold for slaughter.....		136,272 00		166,667 00
Value of the increase in live stock.....		230,377 00		208,426 00
Wool clip.....lbs.	48,080	7,684 80	29,758	5,356 44
Butter.....lbs.	285,331	42,799 65	325,051	48,757 65
Cheese.....lbs.	654	78 48	899	107 88
Honey and bees-wax.....lbs.	100	20 00		
Milk sold.....		1,892 00		4,308 00
Horticultural products marketed.....				12 00
Wine manufactured.....gal.	30	30 00		
Garden products marketed.....		3,670 00		5,280 00
Poultry and eggs sold.....		15,037 00		19,661 00
Wood marketed.....		6,695 00		2,628 00
Total.....		\$1,306,565 28		\$1,321,285 72

CHURCHES.

TABLE showing the number of church organizations, aggregate membership, number of church edifices, and the value of church property in the county, belonging to the denominations named, for 1886.

DENOMINATIONS.	No. of church organizations.	Aggregate membership.	No. of church edifices.	Value of church property.
African Methodist Episcopal.....	1	18	1	\$ 700
Baptist.....	4	90		975
*Christian.....	1	15		
Congregational.....	2	66	1	2,500
Friends.....	1	100		
Methodist Episcopal.....	10	739	10	11,250
Presbyterian.....	3	95	1	1,000
*Roman Catholic.....	1	35	1	500
Seventh Day Adventists.....	1	15		
Total.....	24	1,173	14	\$16,925

* Statistics of 1884 and 1885. No return for 1886.

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—PHILLIPS COUNTY.

443

HORTICULTURE, ETC.

FRUIT TREES.		1885.	1886.	SMALL FRUITS—ACRES.		1885.	1886.
<i>Number of trees in bearing.</i>				Raspberries.....		11	1
Apple.....	1,004	2,167		Blackberries.....		2	1
Pear.....	27	56		Strawberries.....		30	1
Peach.....	5,726	940		Total.....		43	3
Plum.....	191	258					
Cherry.....	710	506					
Total.....	7,658	3,927		ARTIFICIAL FOREST.		1885.	1886.
<i>Number not in bearing.</i>				<i>Acres of trees one year old and over.</i>			
Apple.....	16,544	29,963		Walnut.....		19	125
Pear.....	344	1,561		Maple.....		11	24
Peach.....	29,142	15,623		Honey locust.....		116	188
Plum.....	1,355	2,193		Cottonwood.....		484	395
Cherry.....	2,356	4,739		Other varieties.....		849	1,938
Total.....	49,741	54,079		Total.....		1,479	2,668
				Acres in nurseries.....		16	35
				Acres in vineyards.....		55	

NEWSPAPERS.

The *Kirwin Chief* (Republican). C. Borin, editor, publisher and proprietor, Kirwin.

The *Independent* (Anti-Monopoly). C. J. Lamb, editor and publisher, Kirwin.

The *Phillipsburg Herald* (Republican). Korns & Bickford, editors and publishers, Phillipsburg.

The *Phillips County Democrat* (Democratic). E. M. Weed, editor and proprietor, Long Island.

The *Long Island Leader* (Republican). J. N. Curl, editor and proprietor, Long Island.

Phillips County Freeman (Anti-Monopoly). H. N. Boyd, editor, publisher and proprietor, Logan.

The *Logan Republican* (Republican). B. F. Coffman, editor, publisher and proprietor, Logan.

Woodruff Gazette (Republican). J. H. Hill, editor, publisher and proprietor, Woodruff.

Marvin Monitor (Democratic). Chas. Ford, editor and proprietor, Marvin.

The *Phillipsburg Despatch* (Republican). Ira A. Kelly, editor; Moss & Kelly, publishers and proprietors, Phillipsburg.

BANKS IN COUNTY.

NAME OF BANK.	President.	Cashier.	Post-office address.	Paid-up capital.	Surplus.
First National Bank.....	H. J. Cameron.....	M. H. Johnson.....	Kirwin.....	\$50,000.....	\$ 500.....
Traders' Bank.....	W. H. Wright.....	W. T. Branch.....	Kirwin.....	50,000.....	.....
First National Bank.....	H. S. Granger.....	Frank Strain.....	Phillipsburg.....	50,000.....	.....
Phillips County Bank.....	G. W. Young.....	J. T. Morse.....	Phillipsburg.....	30,000.....	.....
People's Bank.....	Richard Brooke.....	C. O. Wilcox.....	Long Island.....	21,000.....	.....
Bank of Logan.....	Wiltout & Reeder.....	J. B. Bodwell.....	Logan.....	15,000.....	4,000.....
Farmers' Bank.....	Bodwell & Hamilton.....	T. M. Davis.....	Logan.....	10,000.....	3,000.....
Bank of Long Island.....	.....	.....	Long Island.....	.....	.....

Fifth biennial report of the Kansas State Board of Agriculture

444

KANSAS STATE BOARD OF AGRICULTURE.

List of county officers for 1887, with post-office address of each.

Officer.	Name.	Post-office address.
County Clerk	S. J. Hartman	Phillipsburg.
Treasurer	Jacob Nipps	Phillipsburg.
Sheriff	C. M. McGuire	Phillipsburg.
Clerk District Court	James M. Sallee	Phillipsburg.
Probate Judge	C. M. Cole	Phillipsburg.
Register of Deeds	B. E. Morton	Phillipsburg.
Attorney	Frank McKay	Phillipsburg.
Superintendent of Schools	J. Harvey Young	Phillipsburg.
Surveyor	W. B. Stubert	Phillipsburg.
Coroner	T. Miley	Marvin.
	W. D. Covington	Logan.
Commissioners	H. McDowell	Phillipsburg.
	John Ham	Phillipsburg.

POST-OFFICES.

Big Bend, Bloomfield, Bow Creek, Crow, Dickeyville, Goode, Hillside, Jintown, Kirwin,	Logan, Long Island, Lucor, Marvin, Matteson, Myrtle, Nance, Newhope,	PHILLIPSBURG (C. H.), Pleasant Green, Powell, Prairie View, Upton, Wagnerville, West Cedar, Woodruff.
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POTTAWATOMIE COUNTY.

POPULATION.—Table showing population, by nativity, race and sex, for 1835, and total population for 1886, by townships and cities.

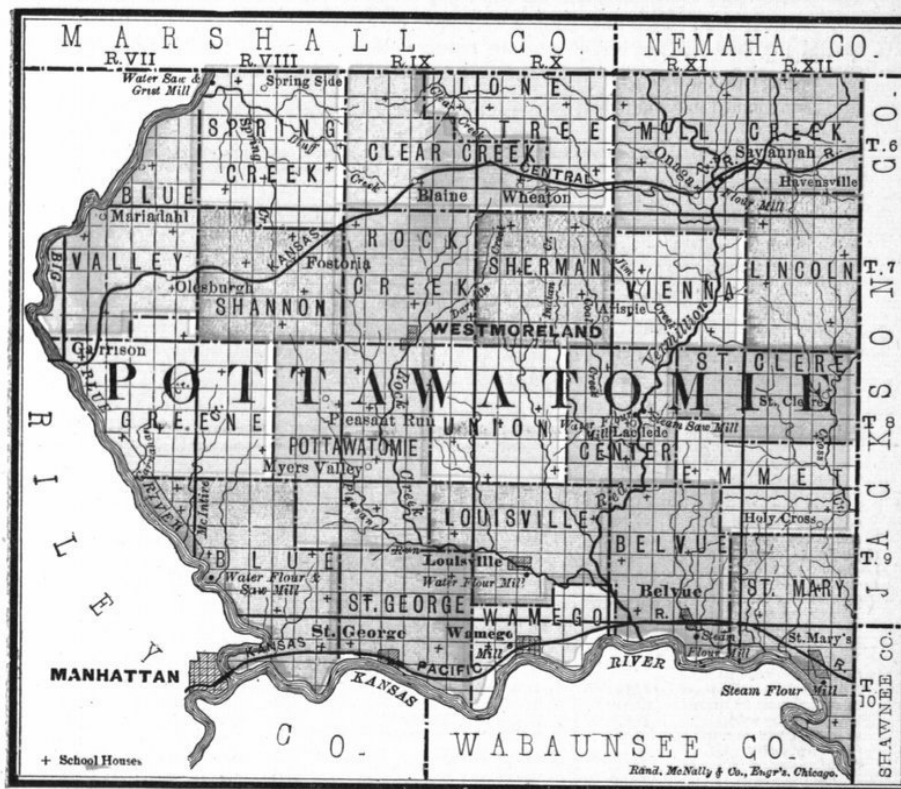
TOWNSHIPS AND CITIES.	Native	Foreign.	White	Colored	Male	Female.	Total.	
							1885.	1886.
Belvue township	677	124	801		431	370	801	818
Blue township	599	107	708	3	399	307	706	729
Blue Valley township	437	396	833		454	379	833	800
Center township	439	61	500		268	232	500	527
Clear Creek township	555	190	745		390	355	745	913
Emmet township	283	65	306	42	205	143	348	340
Green township	552	88	640		323	317	640	657
Lincoln township	474	48	522		286	236	522	548
Lone Tree township	463	182	645		347	298	645	625
Louisville city	399	18	382	35	213	204	417	1,060
Louisville township	578	65	628	15	353	290	643	602
Onaga city	424	51	464	11	249	226	475	430
Mill Creek township	1,149	184	1,333		694	639	1,333	1,287
Pottawatomie township	817	211	1,028		549	479	1,028	1,008
Rock Creek township	450	52	502		263	239	502	408
Westmoreland city	343	34	377		199	178	377	391
Shannon township	509	40	549		287	262	549	664
Sherman township	460	75	535		291	244	535	533
Spring Creek township	437	51	463	25	243	245	488	467
St. Clare township	359	12	357	14	195	176	371	384
St. George township	556	53	609		311	298	609	592
St. Mary's city	877	323	1,200		636	564	1,200	1,308
St. Mary's township	647	121	768		532	236	768	849
Union township	554	85	639		337	302	639	603
Vienna township	323	21	343	1	189	155	344	335
Wamego city	1,560	190	1,614	136	879	871	1,750	1,865
Wamego township	330	41	371		193	178	371	463
Total	15,251	2,888	17,857	282	9,716	8,423	18,139	18,523

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—POTTAWATOMIE COUNTY. 445

A northeastern county lying in the second tier south from the State of Nebraska, and the third from the Missouri river. It has an area of 848 square miles, ranks as the twenty-eighth in population, and was organized in 1856, prior to the admittance of Kansas into the Union.

MAP OF POTTAWATOMIE COUNTY, KANSAS, 1887.



Of population it has 21.84 inhabitants to the square mile. The town of Westmoreland, situated a little west and north of the center, is the county seat, and has a population of 391. The city of Wamego, lying on the Kansas river, in the south-central portion, with a population of 1,865, is the largest place in the county, and ranks as the fifty-eighth city in the State. The city of St. Mary's, situated in the southeastern corner, on the north bank of the Kansas river, has 1,308 inhabitants, and ranks as the eighty-fourth city in size in the State. The towns of Onaga, in the north-eastern portion, and Louisville, in the south-central, have populations of 430 and 380 respectively, and are places of much local importance. The last-named place was for many years the county seat.

The general surface is rolling, with high bluffs on the Kansas and Blue rivers. Bottom-lands average a width of two miles, and, in the aggregate, contain 25 per cent. of the total area.

Fifth biennial report of the Kansas State Board of Agriculture

446

KANSAS STATE BOARD OF AGRICULTURE.

Timber belts on the streams are from twenty-five to eighty rods wide, and contain the following varieties of trees: Oak, walnut, hickory, maple, basswood, elm, hackberry, locust, box-elder, mulberry, cedar, willow, cottonwood, coffee-bean, red bud, papaw, buckeye and linn.

Fine limestone quarries, from which an excellent quality of building material is obtained, are found in nearly every portion of the county away from the valleys. The better class of buildings in the cities and towns of the county are constructed from this material. Fire and potter's clay have been discovered in the southern and central portions. A fine bed of gypsum occurs near the mouth of Spring creek, in Spring Creek township. Thin veins of coal, in the eastern and southern portions, are being mined in a limited way.

ASSESSED VALUATION AND INDEBTEDNESS.—Table showing the assessed valuation and indebtedness of the county, total school district indebtedness, and the assessed valuation and indebtedness of the municipal townships and cities, for 1886.

TOWNSHIPS AND CITIES.	Assessed valuation of the different kinds of property.				Total assessed valuation.	Indebtedness, July 1, 1886.
	Land.	Personal.	City lots.	Railroad property.		
The county	\$2,472,266 00	\$1,309,968 00	\$515,170 00	\$405,250 10	\$4,832,654 10	\$ 1,000 00
School districts						58,810 10
Belvue township.....	\$154,915 00	\$ 58,475 00	\$ 5,839 00	\$45,263 40	\$264,492 40	
Blue township.....	164,935 00	74,292 00		47,755 47	286,982 47	
Blue Valley township.....	110,845 00	103,630 00	11,735 00	29,600 33	255,810 33	
Center township.....	123,560 00	56,110 00			179,670 00	
Clear Creek township.....	59,758 00	25,798 00	12,346 00	35,559 68	133,461 68	15,000 00
Emmet township.....	69,452 00	28,174 00			97,626 00	
Green township.....	91,494 00	66,762 00	13,661 00	14,880 50	186,797 50	
Lincoln township.....	75,515 00	35,071 00			110,586 00	
Lone Tree township.....	62,625 00	39,344 00		13,225 15	115,194 15	
Louisville city.....	150,465 00	83,981 00	32,781 00		267,227 00	
Louisville township.....						
Onaga city.....	249,250 00	149,948 00	89,052 00	53,145 23	541,395 23	13,000 00
Mill Creek township.....	190,866 00	105,226 00	1,020 00		297,112 00	
Pottawatomie tw'p.....	77,112 00	75,105 00	43,165 00	9,035 82	204,417 82	
Rock Creek township.....						
Westmoreland city.....	67,515 00	32,129 00	7,690 00	31,420 60	138,754 60	
Shannon township.....						
Sherman township.....	67,530 00	34,513 00			102,043 00	
Spring Creek tw'p.....	89,110 00	27,021 00		2,053 00	118,184 00	
St. Clare township.....	69,636 00	47,794 00		2,154 00	119,584 00	
St. George township.....	113,327 00	35,765 00	8,499 00	54,431 08	212,022 08	
St. Mary's city.....	146,166 00	121,229 00	105,700 00	55,081 08	428,176 08	40,000 00
St. Mary's township.....						
Union township.....	105,135 00	33,557 00			138,692 00	
Vienna township.....	111,125 00	52,991 00			164,116 00	
Wamego city.....	121,930 00	113,053 00	181,528 00	73,798 76	490,309 76	44,000 00
Wamego township.....						
Total.....						\$171,810 00

The Kansas river, flowing south of east, forms the southern boundary, and the Big Blue river, with a general southern direction, forms the western border. The Red Vermillion river, flowing south through the eastern portion, empties into the Kansas. Jim, Coal, Indian and Rock creeks are tributary to the Red Vermillion from the northwest. Pleasant Run and Darnells creeks flow into Rock creek. McIntire, Carnahan and Spring creeks are tributary to the Blue from the north and southeast. Bluff creek, in the northwestern portion, flows northwest into Spring creek, and Clear creek, in the north-central portion, flows northwest across the northern boundary. Cross

Fifth biennial report of the Kansas State Board of Agriculture

FIFTH BIENNIAL REPORT—POTTAWATOMIE COUNTY. 447

creek crosses and recrosses the eastern boundary, and has a course of about ten miles, flowing southeast. Springs are abundant on the uplands, and well water is reached at an average depth of from ten to thirty feet.

TABLE showing the mechanical and manufacturing industries.

NAME OF BUSINESS.	Number of establishments.....	Amount of capital invested.	Horse power.....	Average No. of hands employed.	Total amount paid in wages during the year.	Value of	
						Raw material used.....	Product..
Cheese factory.....	1	\$ 5,000	Hand.	5	\$1,500	\$ 240	\$ 3,000
Flouring mills.....	4	87,000	Water & steam.	17	9,500	119,500	164,000
Saw mill	1	900	Steam.	3	1,200	1,320	4,500
Total.....	6	\$92,900		25	\$12,200	\$121,060	\$171,500

FARM AND CROP STATISTICS.

Area of county, 542,720 acres. For 1885: Acres under fence, 392,377; acres in farms, not under fence, 43,406; total number of acres in farms, 435,783; per cent. of total area of county in farms, 80; acres under cultivation, including prairie under fence, 331,101; value of farms, \$7,801,781; value of farming implements, \$161,784. For 1886: Acres under fence, 404,216; acres in farms, not under fence, 32,855; total number of acres in farms, 437,071; per cent. of total area of county in farms, 81; acres under cultivation, including prairie under fence, 331,629; value of farms, \$7,295,205; value of farming implements, \$118,400.

TABLE showing acres, product and value of field crops in the county for 1885 and 1886.

CROPS.	1885.			1886.		
	Acres.	Product.	Value.	Acres.	Product.	Value.
Winter wheat.....bu.	11,609	139,308	\$ 83,585 00	5,133	61,596	\$ 40,037 00
Rye.....bu.	2,117	31,735	11,749 35	1,611	24,165	12,083 00
Spring wheat.....bu.	845	8,450	5,070 00	1,244	12,440	6,220 00
Corn.....bu.	88,533	3,541,320	779,090 40	91,519	2,287,975	571,993 75
Barley.....bu.				31	620	186 00
Oats.....bu.	13,906	486,710	87,607 80	16,973	509,190	112,021 80
Buckwheat.....bu.	41	615	492 00	204	3,060	1,536 00
Irish potatoes.....bu.	1,217	121,700	60,850 00	1,270	63,500	31,750 00
Sweet potatoes.....bu.	16	1,280	896 00	47	4,700	4,700 00
Sorghum.....bu.	179		5,378 00	115		3,478 00
Castor beans.....bu.	2	24	36 00	1	10	15 00
Cotton.....lbs.						
Flax.....bu.	211	1,477	1,477 00	651	6,510	5,859 00
Hemp.....lbs.						
Tobacco.....lbs.	10	8,000	800 00	1	600	60 00
Broom corn.....lbs.	231	138,600	6,237 00	439	219,500	7,682 50
Millet and Hungarian.....tons	6,984	20,952	83,808 00	8,669	17,338	69,352 00
Timothy.....	2,363			4,944		
Clover.....	2,487			2,249		
Orchard grass.....tons	594	12,346	61,730 00	623	15,526	89,544 00
Blue grass.....	659			756		
Other tame grasses.....	70			1,029		
Prairie, under fence.....tons	192,948	75,887	227,061 00	169,503	70,334	281,336 00
Total.....	325,022		\$1,416,467 55	307,012		\$1,238,154 05

Wheat on hand—March 1, 1885, 70,428 bushels; March 1, 1886, 24,502 bushels.
Corn on hand—March 1, 1885, 644,861 bushels; March 1, 1886, 484,940 bushels.

Fifth biennial report of the Kansas State Board of Agriculture

448

KANSAS STATE BOARD OF AGRICULTURE.

LIVE STOCK.

TABLE showing the number, value and mortality of live stock for 1885 and 1886.

LIVE STOCK.	1885.		1886.		Mortality.	
	No.	Value.	No.	Value.	1885.	1886.
Horses	10,466	\$837,380	11,882	\$1,069,380	200	203
Mules and asses	743	66,870	729	72,900	15	10
Milch cows	14,835	370,875	15,574	389,350	437	297
Other cattle	31,445	880,460	30,625	857,500	1,510	572
Sheep	5,146	10,292	4,193	8,386	*360	71
Swine	51,863	311,178	37,652	225,912	5,014	13,909
Total	114,498	\$2,476,955	100,655	\$2,623,428	7,536	15,062

Herd law, not in force.

* Including the number of head killed by dogs.

Number of dogs in county, March 1, 1885	2,456
Number of dogs in county, March 1, 1886	2,474

SUMMARY

Showing the amount and value of farm products for the years ending March 1, 1885, and March 1, 1886.

PRODUCTS.	1885.		1886.	
	Amount.	Value.	Amount.	Value.
Field crops	325,022	\$1,416,467 55	307,012	\$1,238,154 05
Animals slaughtered and sold for slaughter		736,380 00		748,868 00
Value of the increase in live stock		149,045 00		34,888 00
Wool clip	49,105	7,856 80	36,782	6,030 76
Butter	449,882	67,482 30	420,358	63,053 70
Cheese	1,850	222 00	685	82 20
Honey and bees-wax	3,472	694 40	3,936	787 20
Milk sold		1,307 00		1,870 00
Horticultural products marketed		25,309 00		8,786 00
Wine manufactured	4,029	6,043 50	6,548	9,822 00
Garden products marketed		5,169 00		4,729 00
Poultry and eggs sold		22,743 00		17,655 00
Wood marketed		13,754 00		5,498 00
Total		\$2,452,473 55		\$2,140,308 91

RANK OF COUNTY in population, assessed valuation, acres under cultivation, total value of farm products, acreage of wheat and corn, and the number of live stock named below, for the years 1885 and 1886.

YEARS.	Popu- lation.	Asses- ed val- uation.	Acres under cultiva- tion.	Value of farm pro- ducts.	Wheat, acres.	Corn, acres.	Horses and mules.	Cattle.	Sheep.	Swine.
1885	26	14	4	14	48	23	9	5	48	14
1886	28	13	5	18	49	23	6	5	44	20

SCHOOLS.

Number of organized districts, 107; school population for 1886, 6,760. Average monthly wages paid teachers: males, \$41.01; females, \$30.55. Total value of school property in county, \$95,000.