

Transactions of the Kansas State Board of Agriculture, 1875

Section 9, Pages 241 - 270

This annual report from the Kansas State Board of Agriculture includes information on livestock and other agricultural topics. A subject of note is a report on the Rocky Mountain locust invasion. Also covered are county statistics for population, acreages, productions, live stock, industry, and assessed valuation of property. State statistics, crop and livestock statistics are also included.

Creator: Kansas State Board of Agriculture

Date: 1875

Callnumber: SP 630.6 K13 1875 KSHS Identifier: DaRT ID: 225324

Item Identifier: 225324

www.kansasmemory.org/item/225324

KANSAS HISTORICAL SOCIETY



Transactions of the Kansas State Board of Agriculture, 1875

STATE BOARD OF AGRICULTURE.

242

a half years, and "has driven half a million dollars worth of taxable property out of the county."

Water Powers.—There are no available water powers.

Manufactures.-Lincoln township, two steam flouring mills, one saw and corn mill, one steam saw mill. Sheridan township, one steam grist mill, one steam grist mill and elevator. Monmouth township, one steam grist mill, Crawford township, two flouring mills, one steam saw mill and elevator. Cato, two steam grist and saw mills, and one grist mill.

Banks.—Crawford County Savings Bank, Girard.

Newspapers.—There are two weekly papers, the Girard Press and Girard News, both published at Girard.

Schools.—Organized school districts, 100; school houses, 98; value of school

buildings and grounds, furniture and apparatus, \$53,544. Churches. - Presbyterian: Organizations 3, membership 90, church edifices 2, valuation \$5,400. Baptist: Organizations 5, membership 187, church edifices 1, valuation \$1,000. Methodist: Organizations 17, membership 510, church edifices 2, valuation \$3,000. Episcopal: Organizations 1, membership 19, church edifices 1, valuation \$1,000. Catholic: Organizations 3, membership 320, church edifices 2, valuation \$1,200. Universalist: Organizations 1, membership 9.

Libraries.—Three townships have two public libraries, with 230 volumes, and 21 private, with 1,490 volumes.

Lands.—Unsold lands are shown on the accompanying map of the county.

Miscellaneous. — Garden produce marketed, \$521.37; poultry and eggs sold,

\$3,487.25; pounds of wool produced, 5,701. Wages.—Farm laborers per month, with board, \$12 to \$18; laborers, in cities or on public improvements, per day, \$1 to \$2.50; carpenters, \$2 to \$3; bricklayers, \$2.25 to \$4; house painters, \$2 to \$4; wagon makers, \$2 to \$3; blacksmiths, \$1.50 to \$3; shoemakers, \$1 to \$2; harness makers, \$1 to \$2; tailors, \$1 to \$2; printers, \$1 to \$2; clerks, per month, \$30 to \$80; tinners, per day, \$2 to \$3.

Vacant lands are valued at from \$2 to \$12 per acre.

DAVIS COUNTY.

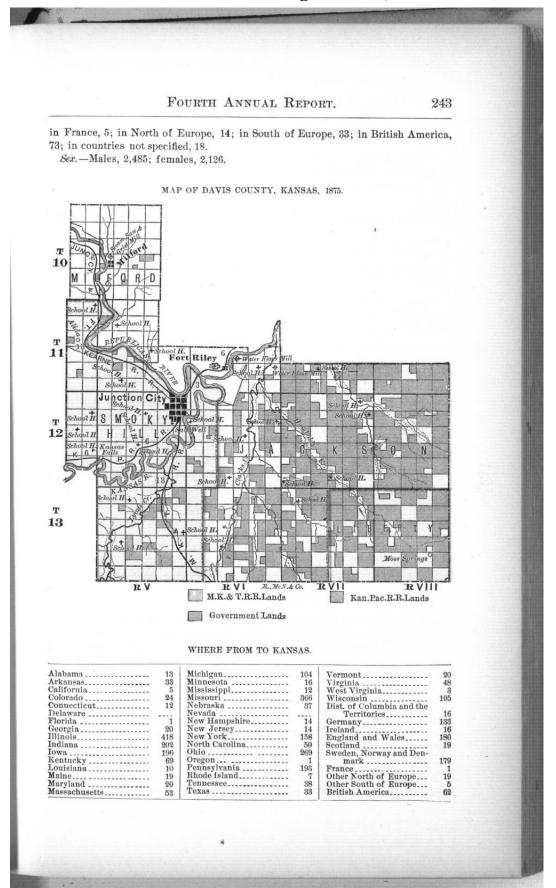
Organized in 1855. Named in honor of Jefferson Davis, who was an officer in the U.S. Army, a U.S. Senator, and in 1855, Secretary of War. He was a member of the Senate in 1861, and withdrew from it to become President of the Southern Confederacy. Square miles, 407. Population to square mile, 11.08. Population in 1860, 1,163; population in 1870, 5,526: increase in ten years, 4,363; population in 1875, 4,611: decrease in five years, 915: increase in fifteen years, 3,488.

POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

Townships and Cities.	Pop.	TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Pop.
JacksonJunction City	1,070 1,782	Liberty Smoky Hill	274 1,138	Milford	347

Nativity.—Born in the United States, 3,415; in Germany, 357; in Ireland, 189; in England and Wales, 220; in Scotland. 42; in Sweden, Norway, and Denmark, 245;



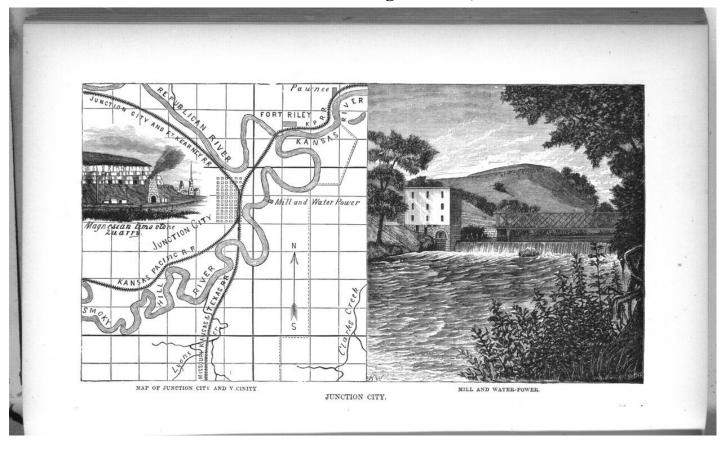




Transactions of the Kansas State Board of Agriculture, 1875

STATE BOARD OF AGRICULTURE. 244 Born in Kansas, 1,381; not otherwise stated, 17. Occupation .- There are 710, or 57.4 per cent., engaged in Agriculture; 277, or 22.4 per cent., in Professional and Personal service; 102, or 8.2 per cent., in Trade and Transportation; 146, or 11.8 per cent. in Manufactures and Mining. County Seat .- Junction City, the county seat, is 62 miles in an air line from Topeka, in a westerly direction. Face of the Country.—Bottom land, 20 per cent.; upland, 80 per cent.; forest, 3 per cent.; prairie, 97 per cent. Average width of bottoms one mile; general surface of the country, upland, undulating in the western, and broken and bluffy in the eastern part of the county. Timber.—The streams are tolerably well timbered; average width of belts, from one-fourth to one-half a mile. Varieties: black walnut, white and burr oak, hackberry, hickory, ash, cottonwood, elm, cedar and sycamore. Principal Streams.—Republican and Smoky Hill rivers, the former running southeast, the latter northeast; uniting at Fort Riley, they form the Kansas river. Tributaries of the Republican: Curtis creek, runs east, six miles long; Four-mile, runs southwest, six miles long; Madison, runs south, five miles long; Timber, runs southeast, eight miles long. Tributary of the Smoky Hill: Lyon's creek, runs north, 35 miles long. Tributaries of the Kansas: Clarke's creek, runs north, 40 miles long; McDowell's, runs north, 25 miles long. There are also numerous smaller streams. The county is very well supplied with springs; well water obtained at a depth of from 20 to 90 feet. Coal.—None of any consequence has been discovered. Small veins crop out in two or three places on Humboldt creek, but they are thin and the quality poor. Building Stone, etc.—The best quality of magnesian limestone is found in the bluffs all over the county, an analysis of which was made by Prof. Wm. H. Saunders, of the University of Kansas, as follows: Hydrometric moisture escaping at 212° Fah., .55; carbonate of lime, 88.85; carbonate of magnesia, 4.15; sesquioxide of iron and alumina, 1.20; insoluble silica and silicates, 5.10; total, 100. In boring for coal at Junction City, salt water was reached at a depth of 300 feet, and still flows in a constant stream. Gypsum underlies the county, and is sometimes struck in digging wells. Railroad Connections.—The Kansas Pacific Railway runs through the northwestern portion of the county, following the valleys of the Kansas and Smoky Hill. The Junction City & Fort Kearney Railroad, operated as a branch of the Kansas Pacific, runs from Junction City up the valley of the Republican, to Clay Centre, in Clay county. The Missouri, Kansas & Texas Railroad, starting from Junction City, traverses the southwestern part of the county to the valley of the Neosho. Principal station and junction of these roads, Junction City. Agricultural Statistics.—Acres in the county, 260,480; taxable acres, 116,703; under cultivation, 30,131.37; cultivated to taxable acres, 26.33 per cent.: increase of cultivated acres during the year, 7,326.37.





246



Transactions of the Kansas State Board of Agriculture, 1875

STATE	BOARD	OF	AGRICIII	TURE

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	AVERAGE YIELD.	PRODUCT.	PRICE.	VALUE OF PRODUCT.
Winter Wheatbu.	5,012.50	18.00	90,225	\$.95	\$85,713.75
Rve bu.	1,284.00	14.'00	17,976	.60	10,785.60
Spring Wheat bu.	2,504.50	12.00	30,054	.73	21,939.42
Cornbu.	7,893.00	40.00	315,720	.23	72,615.60
Barleybu.	515.00	22.00	11,330	1.22	13,822.60
Oatsbu.	1,890.50	30.00	56,715	.30	17,014.50
Buckwheatbu.	2.50	18.00 .	45	.90	40.50
Potatoes, Irishbu.	233.75	85.00	19,869	.40	7,947.60
Sweet Potatoesbu.	10.12	120.00	1,214	.90	1,092.60
Forghum gall. Castor Beans bu.	44.75	105.00	4,699	.50	2,349.50
Castor Beans bu.	12.00	12.00	144	1.12	161.28
Cotton	. 1.00	75 00	75	.08	6.00
Flax	15.50	10.00	155	1.08	167.40
Hemp tbs. Tobacco tbs.					40.00
Tobaccotbs.	1.00	500.00	500	.08	
Broom ('orn	40.00	750.00	30,000	.06	1,800 00
Millet and Hungariantons	1,655.75	2.36	3,908	5.00	19,540.00 6.00
Timothytons	1.00	1.00	1.00	6.00	350.75
Clovertons	20.50	3.00	61	5.75	
Prairietons	5,768.00	1.00	5,768	3.25	18,746.00

Dairy Products.—Cheese manufactured in 1870, 1,250 lbs.; in 1875, 375 lbs.: decrease, 875 lbs. Butter manufactured in 1870, 58,525 lbs.; in 1875, 85,615 lbs.: increase, 37,090 lbs.

Farm Animals.—Number of horses, in 1870, 1,308; in 1875, 2,333: increase, 1,025. Mules and asses, in 1870, 56; in 1875, 102: increase, 46. Cattle, in 1870, 6,340; in 1875, 7,809: increase, 1,469. Sheep, in 1870, 127; in 1875, 170: increase, 43. Swine, in 1870, 856; in 1875, 1,495: increase, 639.

Dogs.—Number of dogs in the county, 1,040; number of sheep killed by dogs, 15; value of sheep killed by dogs, \$34.95. Number of sheep killed by wolves, 7; value of sheep killed by wolves, \$16.31.

Horticulture.—Acres of nurseries, 23.50; orchards, 373.25; vineyards, 6.50.

Fences.—Stone, 26,558 rods; cost, \$39,837. Rail, 67,398 rods; cost, \$99,412.05. Board, 11,818 rods; cost, \$20,681.50. Wire, 10,500 rods; cost, \$7,875. Hedge, 18,501 rods; cost, \$9,713.02. Total rods of fence, 184,775; total cost, \$177,518.57.

Herd Law.—The herd law is not in force.

Water Powers.—There are a number of good water powers, only two of which have been improved — one on the Smoky Hill, at Junction City, and one on Clarke's creek

Manufactures.—Jackson township, water-power flouring mill. Junction City, two water-power flouring mills and steam flouring mill; a cigar manufactory, two breweries, furniture factory, broom factory and soap factory. Milford, 1 steam grist and saw mill. Smoky Hill Township, one cheese factory, one water-power flour mill, and a salt bore.

Banks.—Davis County Savings Bank, Junction City.

Business Houses of Principal Town.—Junction City: Agricultural implements and wagons, 8; books, periodicals and stationery, 2; boots and shoes (exclusive), 2; clothing and tailoring, 2; confectionery, 3; carriage and wagon shops, 5; dry goods, 7; drugs, oils and paints, 4; furniture and upholstery, 1; groceries, 6, gunsmith, 1; hardware, 5; jewelry, clocks, watches, etc., 1; second-hand goods, 2; lumber, 3; music and musical instruments, 1; millinery, 4; queensware (exclusive), 1; saddles and harness, 2; sewing machines, 2; hotels, 4; mercantile pursuits not herein mentioned, 20.



Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

247

'Newspapers.—The Junction City Union and Junction City Tribune, both published weekly, at Junction City.

Schools, etc.—Organized school districts, 34; school houses, 34; value of school buildings and grounds, furniture and apparatus, \$39,790. One parochial school at Junction City, under the auspices of the Catholic church.

Churches.—Presbyterian: Organizations 2, membership 105, church edifices 1, valuation, \$15,000. Congregational: Organizations 1, membership 24, church edifices 1, valuation \$3,000. Baptist: Organizations 2, membership 197, church edifices 1, valuation \$3,500. Methodist: Organizations 2, membership 190, church edifices 1, valuation \$5,200. Episcopal: Organizations 1, membership 40, church edifices, 1, valuation \$12,000. Catholic: Organizations 3, membership 500, church edifices 2, valuation \$4,000.

Libraries.—No report.

Lands.—The unsold lands are indicated on the accompanying county map.

Miscellaneous.—Garden produce marketed, \$634; poultry and eggs sold, \$1,966; pounds of wool produced, 282.

Wages.—Farm laborers, per month, with board, \$16 to \$20. Laborers in cities or on public improvements, \$1.50 to \$2; carpenters, per day, \$2 to \$3.00; brick-layers and stonemasons, per day, \$2 to \$3; house painters, per day, \$3 to \$4; wagon makers, per day, \$2 to \$4; blacksmiths, per day, \$2 to \$4; shoemakers, per day, \$2 to \$3; harness makers, per day, \$2 to \$3; tailors, \$2 to \$3; printers, per day, \$2 to \$3; clerks, \$40 to \$100 per month; tinners, \$2 to \$3 per day.

Prices of vacant lands range from \$4 to \$6 per acre.

DICKINSON COUNTY.

Organized in 1857. Named in honor of Daniel S. Dickinson, who, as a Senator from the State of New York, was first to introduce, in 1847, in the United States Senate, resolutions respecting Territorial Government, embodying the doctrine of popular sovereignty, afterwards incorporated in the bill for the organization of Kansas Territory. Square miles, 851; population to square mile, 8.03. Population in 1860, 378; in 1870, 3,043: increase in ten years, 2,665; population in 1875, 6,841: increase in five years, 3,798: increase in fifteen years, 6,468.

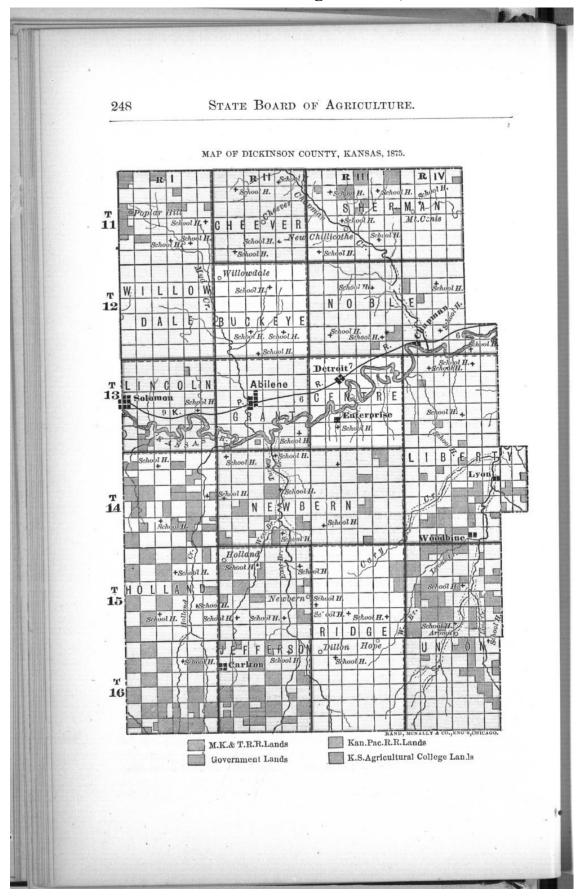
POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Pop.
Buckeye Grant Liberty Noble Union	317 863 494 600 383	Centre Holland Lincoln Ridge Willow Dale	556 548 347 495 405	Cheever Jefferson Newbern Sherman	245 692 419 477

Nativity.—Born in the United States, 5,209; in Germany, 496; in Ireland, 198; in England and Wales, 234; in Scotland, 92; in Sweden, Norway and Denmark, 48; in France, 9; in North of Europe, 5; in South of Europe, 200; in British America, 235; in countries not specified, 15.

Sex.—Males, 3,672; females, 3,169.







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

249

WHERE FROM TO KANSAS.

Alabama 3 Arkansas 11 California 2 Colorado 4 Connecticut 21 Illinois 1,429 Indiana 486 Iowa 384 Kentucky 81 Louisiana 1	Missouri Nebraska Nevada New Jersey New York North Carolina Ohio Oregon	370 22 2 19 167 1 685	West Virginia. Wisconsin. Dist. of Columbia and the Territories. Germany Ireland England and Wales Scotland. Sweden, Norway and Den-	272 18 143 12 116
Louisiana 1 Maine 9 Maryland 11 Massachusetts 38 Michigan 302 Minnesota 21		5 64 4	mark France Other North of Europe Other South of Europe British America	16 82

Born in Kansas, 1,366; not otherwise stated, 21.

Occupation.—There are 1,400, or 79.9 per cent., engaged in Agriculture; 90, or 5.1 per cent., in Professional and Personal service; 97, or 5.5 per cent., in Trade and Transportation; 164, or 9.3 per cent., in Manufactures and Mining.

County Seat.—Abilene, the county seat, is 84 miles in an air line from Topeka, in a westerly direction.

Face of the Country.—Bottom land, 20 per cent.; upland, 80 per cent.; forest, 3 per cent; prairie, 97 per cent. Average width of bottoms, two miles; the general surface of the country, undulating.

Timber.—Average width of timber belts, one-half mile. Varieties: cottonwood, elm, hackberry, oak, walnut and ash.

Principal Streams.—Smoky Hill river; runs nearly through the centre of the county, in an easterly direction; principal tributaries, Holland's, Turkey, Deer, Swenson and Lyon's creeks on the south; Mud and Chapman on the north; the Solomon river joins the Smoky Hill near the line of the county. The county is not well supplied with springs; good well water is obtained at a depth of from 20 to 60 feet.

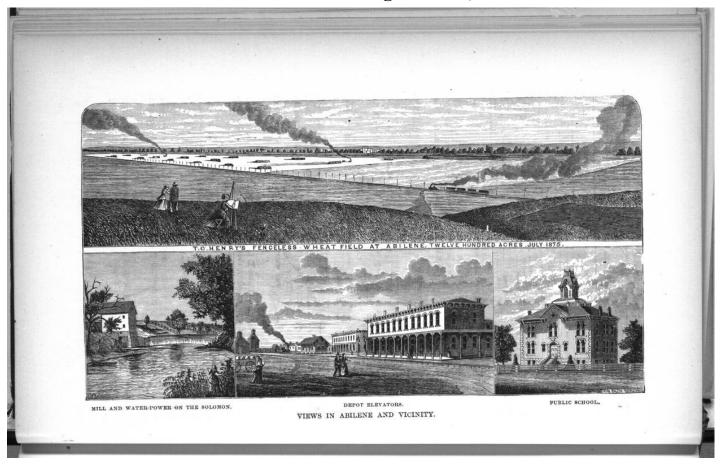
Coal.—Prof. B. F. Mudge, and also T. C. Henry, of Abilene, state that no coal worth working is found in this county, though some thin veins of a very poor quality are found on Chapman's creek and on Holland creek.

Building Stone, etc.—Large quantities of good quality of limestone found near Enterprise; plenty in other portions of the county, cropping out along the banks and bluffs of streams. Fine qualities of pottery clay near Enterprise. Gypsum is found in the southwestern part of the county.

Railroad Connections.—The Kansas Pacific Railway traverses the county from east to west along the valley of the Smoky Hill. Principal stations: Abilene and Solomon city.

Agricultural Statistics.—Acres in the county, 544,640; taxable acres, 281,049; under cultivation, 710,11.12; cultivated to taxable acres, 25.26 per cent.: increase of cultivated acres during the year, 191,24.12.







Transactions of the Kansas State Board of Agriculture, 1875

***	4	Section 1994
FOURTH	ANNITAT.	REPORT

251

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	AVERAGE YIELD.	Рворист.	Price.	VALUE OF PRODUCT.
Winter Wheatbu.	32,061.00 2,668.50	22.00 20.00	705,342 53.370	\$.99	\$698,288.58 32,022.00
Spring Wheat bu. Corn bu.	4,258.25	15.00	63,874	.75	47,905 50
Barley bu.	14,750.00 1,478.00	42.00 26.00	619,500 38,428	.23	142,845.00
	6,005,25	38.00	228,199	1.22	46,886.16 68,459.70
Buckwheat	14.12	20.00	, 282	.90	253.80
Potatoes, Irish bu	440.62	90.00	39,656	.35	13,879.60
Sweet Potatoes bu.	32.08	165.00	5,293	.90	4,763.70
Sorghum gall. Castor Beans bu.	62.50	120.00	7,500	.40	3,000.00
Cottonbs.	26.18	14.00	366	1.12	409.92
Flax bu.	$\frac{1.00}{104.62}$	75.00	75	.08	6.00
Hemp the	104.02	11.00	1,151	1.10	1,266.10
1 ODacco the	.62	650.00	403	.08	32.24
Broom Corn	83.01	850.00	70,558	.06	4,233,48
Millet and Hungarian tons	591.12	2.75	1,626	4.75	7,723.50
1 imothy tons	22.25	1.25	28	5.50	154.00
Clovertons	218.00	3.00	654	6.25	4,087.50
Prairietons	189.00	1.50	283	3.00	849.00

Dairy Products.—Cheese manufactured in 1870, 2,050 lbs.; in 1875, 160 lbs.: decrease, 1,890 lbs. Butter manufactured in 1870, 41,161 lbs.; in 1875, 115,402 lbs.: increase, 74,241 lbs.

Farm Animals.—Number of horses, in 1870, 1,153; in 1875, 3,223: increase, 2,070. Mules and asses, in 1870, 83; in 1875, 280: increase, 197. Cattle, in 1870, 66,51; in 1875, 9,822: increase, 3,173. Sheep, in 1870, 200; in 1875, 2,829: increase, 2,629. Swine, in 1870, 834; in 1875, 2,656: increase, 1,822.

Dogs.—Number of dogs in the county, 1,005; number of sheep killed by dogs, 40; value of sheep killed by dogs, \$93.20. Number of sheep killed by wolves, 82; value of sheep killed by wolves, \$191.06.

Horticulture.—Acres of nurseries, 12.50; orchards, 783.20; vineyards, 29.06.

Apiaculture.-Number of stands of bees, 4; pounds of honey, 25.

Fences.—Stone, 11,754 rods; cost, \$35,262. Rail, 11,622 rods; cost, \$15,980.25 Board, 15,592 rods; cost, \$21,361.04. Wire, 3,800 rods; cost, \$2,850. Hedge, 102,869 rods; cost, \$51,434.50. Total rods of fence, 145,637; total cost, \$126,887.79.

Water Powers.—Fine water power on the Solomon and Smoky Hill, Chapman's and Turkey creeks, already utilized to a considerable extent, but with a large undeveloped capacity.

Manufactures.—Water-power flouring mill at Enterprise, capital \$25,000; water-power woolen factory at the same place, capital \$25,000; also steam saw mill, capital \$2,000; steam sorghum manufactory, capital \$2,000; steam vinegar manufactory, capital \$1,500. Solomon, water-power flouring mill, capital \$1,200, and elevator, cost \$3,900. At Abilene, water-power flouring mill, capital not stated. Newbern township, water-power flouring mill, capital \$5,000; two water-power flouring mills on Chapman's creek, capital \$10,000; water-power flouring mill on Turkey creek, capital \$6,000.

Banks.-Abilene Bank, at Abilene.

Newspapers.—The Chronicle at Abilene and Gazette at Solomon City, both weekly. Schools, etc.—Organized school districts, 86; number of school houses, 70; value of school buildings and grounds, furniture and apparatus, \$68,500.

Churches.—Presbyterian: Organizations 4, membership 102, church edifices, 1, valuation \$3,200. Baptist: Organizations 5, membership 217, church edifices, 2:



Transactions of the Kansas State Board of Agriculture, 1875

252

STATE BOARD OF AGRICULTURE.

valuation \$3,500. Methodist: Organizations 12, membership 175. Episcopal: Membership 6. Catholic: Organizations 3, membership 500, church edifices 1, valuation \$500. Lutheran: Organizations 1, membership 33. Universalist: Organizations 1, membership 15, church edifices 1, valuation \$1,800.

Libraries.—Of 14 townships, seven report two public libraries, with 317 volumes, and 53 private, with 4,883 volumes.

Lands.—Unsold lands are shown on the accompanying map of the county.

Miscellaneous.—Produce of gardens marketed, \$73.00; poultry and eggs sold, \$2,897.50; number of pounds of wool produced, 7,220.

The prices of vacant land range from \$2 to \$6.per acre.

DONIPHAN COUNTY.

Organized in 1855. Named in honor of Col. A. W. Doniphan, of Clay county, Missouri, who commanded a regiment of Missouri cavalry during the Mexican war. Marching across the plains, he took a leading part in the conquest of New Mexico. He was a zealous partizan in the agitation which arose on the opening of Kansas Territory to settlement. Square miles, 379; population to square mile, 36.79. Population in 1860, 8,083; in 1870, 13,969: increase in ten years, 5,886; population in 1875, 13,943: decrease in five years, 26; increase in fifteen years, 5,860.

POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

Townships and Cities.	Pop.	Townships and Cities.	Pop.	Townships and . Cities.	Pop.
Burr Oak	1,074 712 2,592	Centre Washington	2,288 1,807	Iowa Wayne	3,438 2.032

Nativity.—Born in the United States, 12,373; in Germany, 648; in Ireland, 337; in England and Wales, 167; in Scotland, 17; in Sweden, Norway and Denmark, 173; in France, 63; in North of Europe, 17; in Italy, 4; in South of Europe, 76; in British America, 61; in countries not specified, 7.

Sex.—Males, 7,239; females, 6,704.

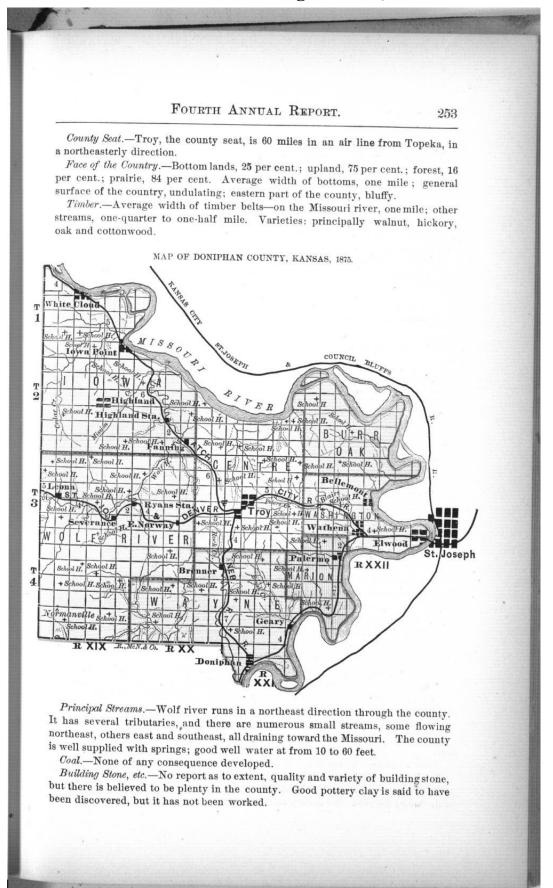
WHERE FROM TO KANSAS.

Alabama	12 18 25	Michigan 144 Minnesota 57 Mississippi 20	Vermont Virginia West Virginia	163 33
Colorado Connecticut	18 15	Missouri	Wisconsin Dist. of Columbia and the Territories	
Delaware	12 2 759	New Hampshire 2 New Jersey 18 New York 214	GermanyIreland	224 49
IndianaIowa		North Carolina	England and Wales Scotland Sweden, Norway, Denmark	1
Kentucky Louisiana Maine	14 10	Pennsylvania	Other North of Europe	33
Maryland	53 28	Tennessee	Other South of Europe British America	23

Born in Kansas, 4,952; not otherwise stated, 6.

Occupation.—There are 2,144, or 67 per cent., engaged in Agriculture; 510, or 15.9 per cent., in Professional and Personal service; 218, or 6.8 per cent., in Trade and Transportation; 328, or 10.2 per cent., in Manufactures and Mining.







Transactions of the Kansas State Board of Agriculture, 1875

254

STATE BOARD OF AGRICULTURE.

Railroad Connections.—The St. Joseph & Denver City Railroad crosses the Missouri at Elwood, on the splendid new iron bridge, and traverses the entire extent of the county in a westerly direction. Principal stations, Elwood, Wathena, Troy and Severance. The Atchison & Nebraska Railroad crosses the southern line of the county near the centre, and leaves the county near its northwestern corner. Principal stations, Doniphan, Troy, Highland Station, Iowa Point and White Cloud. The St. Joseph & Topeka Railroad follows the St. Joseph & Denver City Railroad to Wathena; thence in a southwesterly direction to Doniphan, where it joins the Atchison & Nebraska Railroad.

Agricultural Statistics.—Acres in the county, 242,560; taxable acres, 234,339; under cultivation, 106,430.50; cultivated to taxable acres, 49.68 per cent.: increase of cultivated acres during the year, 12,413.50.

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	AVERAGE YIELD.	Product.	PRICE.	VALUE OF PRODUCT.
Winter Wheat bu. Rye bu.	3,002.00 217.00	20.00 18.00 10.00	60,040 3,906	\$1.05 .62 .80	\$ 63,042.00 2,421.72
Spring Wheat bu. Corn bu. Barley bu.	389.00 84,107.00 87.00	44.00 26.00	3,890 3,700,708 2,262	.25 1.25	3,112,00 925,177.00 2,827.50
Barley bu. Oats bu. Buckwheat bu.	479.00 695.00	40.00 22.00	19,160 15,290	.32	6,131.20 12,996.50
Potatoes, Irish bu. Sweet Potatoes bu.	1,000.00	100.00 120.00	100,000	.40	40,000.00
Sorghum gall. Castor Beans bu.	116.00 2.00	110.00 15.00	12,760	1.15	5,104.00
Cotton	34.00	11.00	374	1.10	411.40
Hemp fbs. Tobacco fbs.					
Broom Corn	86.00 1,927.00	800.00 2.75	68,800 5,299	5.00	4,816.00 26,495.00
Timothy tons Clover tons	38.00 30.00	1.50 3.00	57 90	7.50 5.00	427.50 450.00
Prairietons	3,607.75	1.50	5,411	3.00	16,233.00

Dairy Products.—Cheese manufactured in 1870, 2,050 lbs. Butter manufactured in 1870, 194,396 lbs.; in 1875, 163,650 lbs.; decrease, 30,746 lbs.

Farm Animals.—Number of horses, in 1870, 4,124; in 1875, 4,402: increase, 278. Mules and asses, in 1870, 721; in 1875, 984: increase, 263. Cattle, in 1870, 10,627; in 1875, 11,774: increase, 1,147. Sheep, in 1870, 4,586; in 1875, 1,497: decrease, 3,089. Swine, in 1870, 23,272; in 1875, 17,574: decrease, 5,698.

Dogs.—Number of dogs in the county, 1,667; number of sheep killed by dogs, 191; value of sheep killed by dogs, \$445.03. Number of sheep killed by wolves, 48; value of sheep killed by wolves, \$111.84.

Horticulture.—Acres of nurseries, 69.75; orchards, 2,807; vineyards, 244.11.

Apiaculture.—Number of stands of bees, 536; pounds of honey, 3,556; wax, 393. Fences.—Stone, 9,887 rods; cost, \$22 245.75. Rail, 128,379 rods; cost, \$154,054.80. Board, 331,177 rods; cost, \$488,486.07. Wire, 46,900 rods; cost, \$30,485. Hedge,

101,409 rods; cost, \$60,845.40. Total rods of fence, 617,752; total cost, \$756,117.02. Herd Law.—The hog herd law is only in force; it is regarded as a great advan-

Water Powers.—The water power is limited; several flouring mills are supplied.

Manufactures.—Iowa township, steam saw mill, capital \$2,000. One furniture factory and one flouring mill at White Cloud. Burr Oak Township, steam flouring mill, capital \$10,000. A brewery at Highland, and one at Wathena. Wolf River



Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

255

township, steam flouring mill. Centre township, steam flouring mill. Washington township, three steam flouring mills. Wayne township, one steam saw and flouring mill, one steam flouring mill, one wagon and agricultural implement factory, two presses for the manufacture of wine, one water-power flouring mill.

Banks.—Banking house of Jno. P. Johnson, Highland; banking house of Boder Bros., Troy, employing an aggregate capital of \$14,146.

Newspapers.—The Kansas Chief, published at Troy, and the Reporter at Wathena; weeklies.

Schools, etc.—Organized school districts, 68; school houses 71; value of school buildings and grounds, furniture and apparatus, \$89 500. Highland University, at Highland under the care of the Presbyterian Synod of Kansas; property valued at \$75,000. Catholic parochial schools at Doniphan and Severance.

Churches.—Presbyterian: Organizations 4, membership 254. church edifices 3, valuation \$12,700. Congregational Organizations 2, membership 39, church edifices 2, valuation \$8,000 Baptists: Organizations 6, membership 291, church edifices 2, valuation \$7,000. Methodist: Organizations 21, membership 471, church edifices 9, valuation \$22,900. Episcopal: Organizations 2, membership 16. Catholic: Organizations 7, membership 1,025, church edifices 3, valuation \$5,000.

Libraries.—Only two townships give reports, these have 18 private libraries, containing 3,273 volumes.

Lands.—There are no unsold lands in this county.

Miscellaneous. — Produce of gardens marketed, \$1,488; poultry and eggs sold, \$7,339.50; pounds of wool produced, 3,270.

Wages.—Farm laborers, per month, with board, \$10 to \$20; iaborers in cities or on public improvements, \$1 to \$2 50 per day; carpenters, \$2 to \$3 per day; brick-layers and stonemasons, per day, \$3 to \$5; house painters, per day, \$2 to \$4; wagon-makers, per day, \$3; blacksmiths, \$2 to \$3; shoemakers, \$1.50 to 2.50; Harness-makers, \$1.50 to \$2.50 per day; tailors, per day, \$2 to \$2.50; printers, per day, \$1.50 to \$2.50; per 1,000 ems, 40 cents; clerks \$30 to \$40 per month.

Prices of vacant lands range from \$4 to \$10.

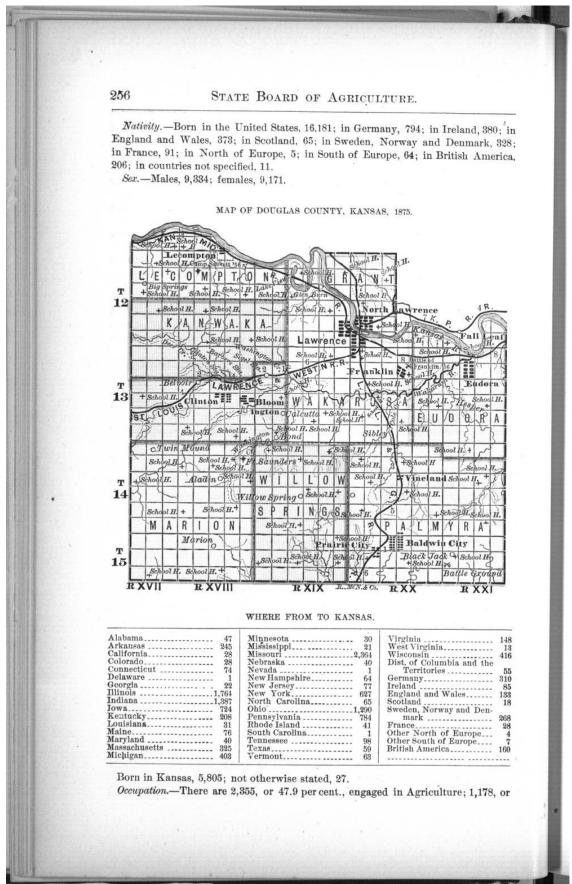
DOUGLAS COUNTY.

Organized in 1855. Named in honor of Stephen A. Douglas, an eminent United States Senator from Illinois, and a candidate for President in 1860. As a senator, in 1854, he took a leading part in securing the adoption of the popular sovereignty principle in the act organizing Kansas Territory. Square miles, 469; population to square mile, 39.45. Population in 1860, 8,637; in 1870, 20,592: increase in ten years, 11,955; population in 1875, 18,505: decrease in five years, 2,087: increase in fifteen years, 9,868.

POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Рор
Clinton Eudora Grant Willow Springs	743 1,665 506 1,080	Kanwaka Lecompton Marion	805 1,011 948	Palmyra City of Lawrence Wakarusa	2,065 7,268 2,414







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

257

23.9 per cent., in Professional and Personal service; 688, or 13.9 per cent., in Trade and Transportation; 695, or 14.1 per cent., in Manufactures and Mining.

County Seat.—Lawrence, the county seat, is 25 miles in an air line from Topeka, in an easterly direction.

Face of the Country.—Bottom land, 20 per cent.; upland, 80 per cent.; forest, 6 per cent.; prairie, 94 per cent. Average width of bottoms, one mile; general surface of the country, undulating.

Timber.—The width of timber belts ranges from a few rods to one mile. Varieties: walnut, ash, hackberry, oak, elm, cottonwood, etc,

Principal Streams.—The Kansas river and the Wakarusa. The former runs a little south of east; the latter a little north of east. Also numerous small streams. The county is well supplied with springs; good well water obtained at a depth of 25 feet.

Coal.—Coal is supposed to underlie the whole county. Thickness from 12 to 20 inches, and at a depth of from 10 feet below the surface downward; quality poor, and not much developed as yet.

Building Stone, etc.—Plenty of building stone of fine quality in various localities. Fire and pottery clay reported on Mount Oread, near Lawrence.

Railroad Connections.—The Kansas Pacific Railway crosses the northern corner of the county; principal station, Lawrence. The Leavenworth, Lawrence & Galveston Railway runs nearly through the centre of the county from north to south; principal stations, Lawrence, Baldwin City, Prairie City. The St. Louis, Lawrence & Denver (Pleasant Hill) Railroad follows the Kansas river to De Soto, Johnson county, thence southeast to Olathe and Pleasant Hill, Mo. The Lawrence & Southwestern Railroad connects Lawrence with the Atchison, Topeka & Santa Fe Railroad at Carbondale, in Osage county. The Kansas Midland Railroad runs on the south bank of the Kansas River from Topeka to Kansas City; principal stations, Lawrence, Lecompton and Eudora.

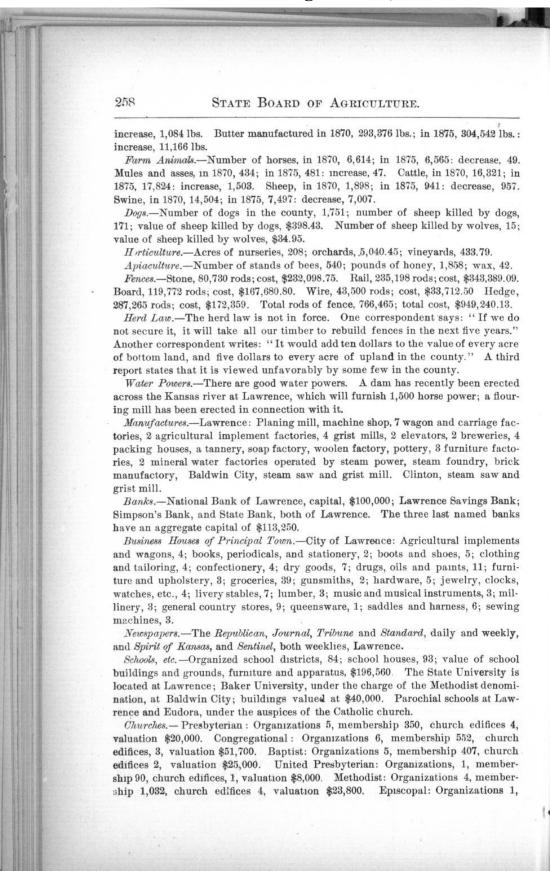
Agricultural Statistics.—Acres in the county, 300,160; taxable acres, 291,434; under cultivation, 147,923.75; cultivated to taxable acres, 50.75 per cent.: increase of cultivated acres during the year, 38,779.75.

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	Асвелев.	AVERAGE YIELD.	PRODUCT.	PRICE.	VALUE OF PRODUCT.
Winter Wheat bu Rye bu Spring Wheat bu Corn bu Barley bu Oats bu Buckwheat bu Potatoes, Irish bu Sweet Potatoes bu Sorghum gall Castor Beans bu Cotton Ds Flax bu Hemp Ds Tobacco Ds Broom Corn Ds Millet and Hungarian tons Core- Core-	2,902.00 575.00 10.00 70,099.00 4,350.00 4,350.00 490.75 1,520.50 230.00 745.00 641.00 611.50 450.00 81.50 450.00 5,047.00 1,845.00	18.00 18.00 10.00 41.00 41.00 22.00 35.00 95.00 150.00 14.00 75.00 100.00 700.00 725.00 2.75 1.25	52,236 10,350 10,350 100 2,874,059 352 152,250 9,215 144,447 34,500 74,500 8,897 225 6,410 65,200 3,150 278,400 13,873	\$1.02½ .60 .75 .25 .25 1.24 .30 .95 .45 1.20 .30 1.10 .08 1.06 .68 .08 .08 5.00	\$ 53,541,90 6,210.00 75.00 718,514,75 436,48 45,675.00 8,7754.25 65,001.15 41,400.00 9,766,70 1,800.00 6,794.60 44,330 252.00 22,272.00
Clover tons Prairie tons	605.00 22,983.00	250.00 1.50	2,306 1,513 34,474	6.75 6.00 3.00	15,565.50 9,078.00 103,422.00

Dairy Products.—Cheese manufactured in 1870, 8,381 lbs.; in 1875, 9,465 lbs.:







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

259

membership 140, church edifices 1, valuation \$35,000. Catholic: Organizations 6, membership 1,270, church edifices 5, valuation \$15,000. Lutheran: Organizations 1, membership 55, church edifices 1, valuation \$6,500. Universalist: Organizations 1, membership 40, church edifices, 1, valuation \$15,000.

Libraries.—Three public libraries, containing 5,200 volumes, and 39 private libraries, with 2,917 volumes, are reported in five townships.

Lands.—There are no unsold lands in this county.

Miscellaneous.—Garden produce marketed, \$14,074; poultry and eggs sold, \$7,387.75; number of pounds of wool produced, 3,144.

Wages.—Farm laborers, per month, with board, \$8 to \$20; laborers in cities, or on public improvements, per day, .75 to \$1.50; carpenters, per day, \$1.50 to \$3; bricklayers and stonemasons, per day, \$2 to \$3,50; house painters, per day, \$2 to \$2.50; wagon makers, per day, \$1.50 to \$2; blacksmiths, per day, \$2 to \$2.50; shoemakers, per day, \$1.50 to \$2; harness makers, per day, \$1.50 to \$2; printers, per 1,000 ems, 30 to 40 cents; clerks, per month, \$25 to \$100; tinners, per day, \$2 to \$3.50.

The prices of vacant lands range from \$2 to \$12 per acre.

EDWARDS COUNTY.

Organized in 1874. Named in honor of Hon. John H. Edwards, of Ellis, Kansas. The county was organized in August, 1874. The first settlement was made in March, 1873, by the "Massachusetts Colony." Square miles, 972. Population to square mile, .24. Population in 1875, 234.

POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

Townships and Cities.	Pop.	Townships and Cities.	Pop.	Townships and Cities.	Pop.
Kinsley	149	Trenton	. 85		

Nativity.—Born in the United States, 201; in Germany, 11; in Ireland, 7; in England and Wales, 12; in Scotland, 3.

Sex.-Males, 138; females, 96.

WHERE FROM TO KANSAS.

Colorado Illinois Iowa Kentucky Maine	33 4 2	Massachusetts Michigan Minnesota New Hampshire	1 16 5	New York Ohio South Carolina Wisconsin	3
maine	17	New Jersey	2		

Born in Kansas, 4.

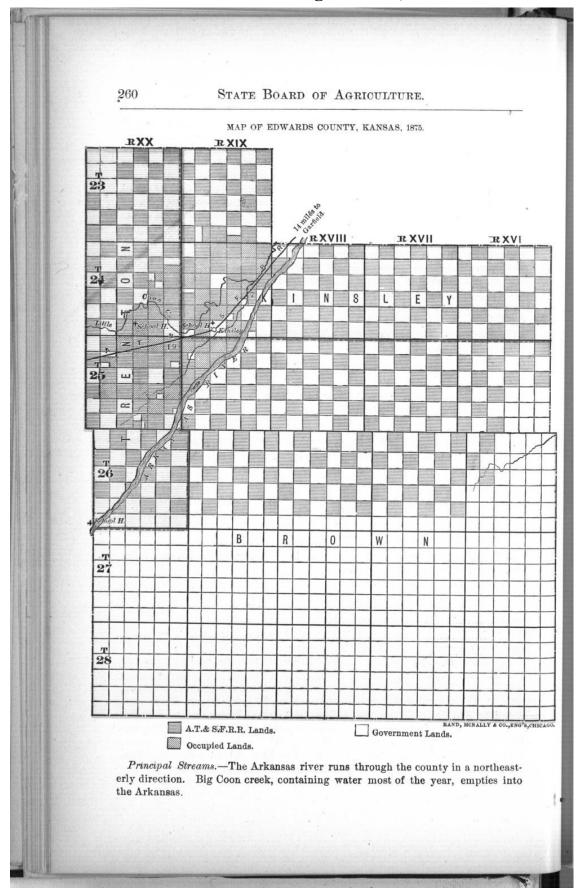
Occupation.—There are 67, or 75.2 per cent., engaged in Agriculture; 3, or 3.3 per cent.; in Professional and Personal service; 3, or 3.3 per cent., in Trade and Transportation; 16, or 17.8 per cent., in Manufactures and Mining.

County Seat.—Kinsley, the county seat, is 216 miles in an air line from Topeka, in a southwesterly direction.

Face of Country.—The Arkansas river bottom is about three miles wide. The rest of the country is upland rolling prairie.

Timber .- None worth mention.







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

261

Coal.—None has been discovered.

Building Stone.—Common limestone has been found in different parts of the county.

Railroad Connections.—The Atchison, Topeka & Santa Fe Railroad runs across the northwest corner of the county. Principal station, Kinsley.

Agricultural Statistics.—Acres in the county, 737,280; taxable acres, 143,961; under cultivation, 1,166.50; cultivated to taxable acres, 81 per cent.; increase of cultivated acres during the year, 1,166.50.

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	AVERAGE YIELD.	Product.	PRICE.	VALUE OF PRODUCT.
Winter Wheat bu. Rye bu. Spring Wheat bu. Corn bu. Barley bu. Oats bu. Potatoes, Irish bu. Sweet Potatoes bu. Sorghum gall.	202.00 13.00 4.50 855.00 46.50 39.50 5.00 5.00	15.00 16.00 12.00 35.00 18.00 20.00 75.00 130.00 90.00	3,030 208 54 29,925 837 790 37 650 45	\$.92½ .58 .78 .30 1.20 .35 .80 1.75 .40	\$ 2,802.75 120.64 42.12 8,977.50 1,004.40 276.50 29.60 1,137.50

Dairy Products.—Butter manufactured in 1875, 830 lbs.

Farm Animals.—Number of horses, in 1875, 78. Mules and asses, in 1875, 8. Cattle, in 1875, 132. Sheep, in 1875, 419. Swine, in 1875, 29.

Dogs.-Number of dogs in the county, 27.

Horticulture.—Orchards, 12.50.

Fences.—Hedge, 500 rods; cost, \$300. Total rods of fence, 500; total cost, \$300.

Herd Law.—The herd law has been in force throughout the county since February last. A correspondent says: "It has had the effect of making every man keep his stock off his neighbor's crop."

Water Powers .- None.

Manufactures.—None.

Banks.-None in the county.

Newspapers.—The Reporter, at Kinsley, weekly.

Schools.—Organized school districts, 1; number of school houses, 1; value of school buildings and grounds, furniture and apparatus, \$530.

 $\it Churches.$ —Congregational: Organizations 2, membership 18, church edifices 1, valuation \$2,000.

Libraries.—No report.

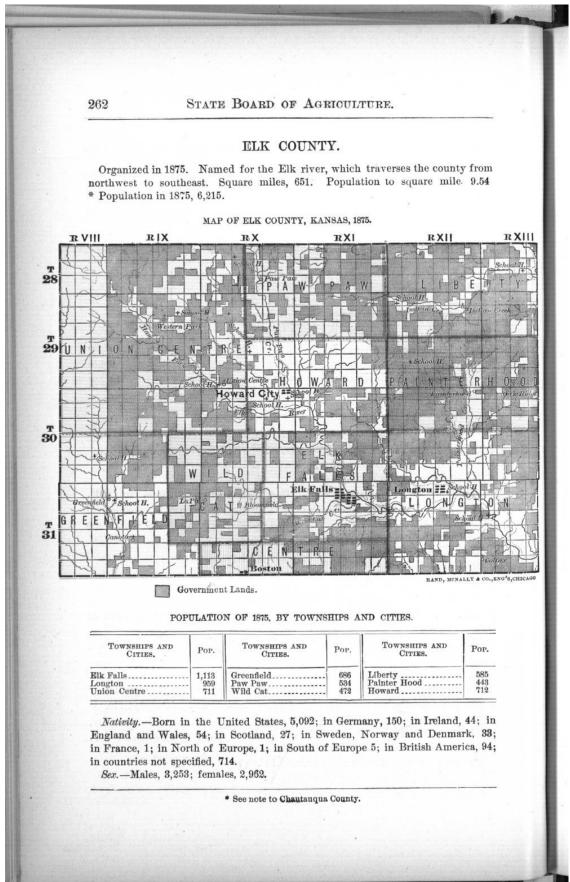
Lands.—The unsold lands are shown on the accompanying map of the county.

Miscellaneous.—Poultry and eggs sold, \$132; pounds of wool produced, 1,270.

Wages.—Farm laborers, per month, with board, \$15 to \$20; carpenters, per day, \$2 to \$3; bricklayers and stonemasons, per day, \$2 to \$3; house painters, per day, \$2 to \$3; blacksmiths, per day, \$3; shoemakers, \$2 to \$3.

The prices of vacant lands range from \$1.50 to \$5.00 per acre.







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

263

WHERE FROM TO KANSAS.

Alabama 3 Arkansas 59	Mississippi		39 6
	Nebraska 2		45
California	New Jersey		
Georgia 3	New York 2	5 Territories	14
Illinois 1,227	North Carolina 1		2
Indiana 608	Ohio 21		1
Iowa 760	Oregon	6 England and Wales	13
Kentucky 121	Pennsylvania 2		8
Maine 14	Tennessee 2 Texas 2		13
Massachusetts 3	Texas 2 Vermont 1		46
Michigan	vermont		
MIHHESOUA 02	********************		

Born in Kansas, 1,157; not otherwise stated, 713.

Occupation.—There are 1,054, or 83.3 per cent., engaged in Agriculture; 60, or 4.7 per cent., in Professional and Personal Service; 31, or 2.4 per cent., in Trade and Transportation; 119, or 9.4 per cent., in Manufactures and Mining.

County Seat.—Howard City, the county seat, is 113 miles in an air line from Topeka, in a southwesterly direction.

Railroad Connections.—No railroads yet built in the county.

Agricultural Statistics.—Acres in county, 414,080; taxable acres, 157,228; under cultivation, 48,071.93; cultivated to taxable acres, 30.57 per cent.: increase of cultivated acres during the year, 7,540.43.

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	AVERAGE YIBLD.	Product.	PRICE.	VALUE OF PRODUCE.
Winter Wheatbu	6.182.50	20.00	123,650	\$.86	\$106,339.00
Ryebu Spring Wheatbu.	138.00	22.00	3,036	.50	1,518.00
Corn bu.	21,296.00	42.00	894,421	.42	201,244.72
Barleybu.	75.00	24.00	1,800	1.18	2,124.00
Oatsbu.	1,065.00	34.00	36,218	.20	7,243.60
Buckwheat bu.	12.00	20.00	240	.80	192.00
Potatoes, Irishbu.	425.16	100.00	42,516	.35	14,880.60
Sweet Potatoesbu.	5.99	160.00	958	.75	718.50
Sorghumgall.	508 12	100.00	50.812	.35	17,784.20
Castor Beansbu.	314.12	12.00	3,769	1.05	3,957.45
Cotton	10.62	150.00	1,593	.07	111.51
Flaxbu.	131.56	9.00	1,184	.95	1,124.80
Hempfbs.	8.00	600.00	4,800	.60	2,880
Tobacco	10.50	650.00	6,825	.06	409.50
Broom Corn	29.37	730.00	21,440	.05	1,072.00
Millet and Hungariantons					
Timothytons	1.30	100.00	130	7.50	975.00
Clovertons	33 00	2.00	66	6.50	429.00
Prairietons	7.384 00	1.50	11,076	3.00	33,228.00

EXTRAORDINARY YIELD.-

Statement of Jael Hamor, of Longton:

Winter Wheat:—Last fall I cut up and removed a crop of corn, and sowed Mediterranean wheat, broadcast, on the ground, and harrowed it in. The land is river bottom, part timber and part prairie. It was broken in 1870, and has been in wheat ever since, until last year. I harvested the crop on the 18th of July, and

had 44 bushels per acre.

I mowed and burned off some fallow prairie, plowed it deep with heavy teams, and on the 1st, 2d and 3d of October, drilled in May wheat. Harvested at the same time, and obtained a yield of 45 bushels per acre.

Corn:—Last year I made careful measurement of my corn crop, and it averaged

over 60 bushels per acre.

Statement of G. A. Hiltabedle, of Elk Falls:

Potatoes:-I planted Peach Blow potatoes, which yielded 366 bushels per acre.

264



Transactions of the Kansas State Board of Agriculture, 1875

STATE BOARD OF AGRICULTURE.

The soil is prairie bottom, sandy loam. This was the third crop. The first crop was corn, the second wheat. The ground was summer fallowed. The potatoes for half of the land were cut into small pieces, one eye in a piece, and dropped eight to ten inches apart, and covered with a plow. On the other half small potatoes, uncut, were planted the same way. The crop was plowed once with a double-shovel plow, and the weeds kept down by hoeing, the ground being left level. The potatoes were planted on the 20th of May and harvested on the 10th of October. The cost of producing $1\frac{1}{2}$ acres was as follows:

Plowing ground	\$ 3.00
Seed, 13 bushels, at \$1 per bushel	
Cultivating crop	
Harvesting	25.00
Total	\$44.00

Dairy Products.—Cheese manufactured in 1870, 325 lbs.; in 1875, 3,420 lbs: increase, 3,095 lbs. Butter manufactured in 1860, 3,600 lbs.; in 1875, 122,833 lbs.: increase, 119,233 lbs.

Furm Animals.—Number of horses, in 1870, 118; in 1875, 2,423: increase, 2,305. Mules and asses, in 1870, 10; in 1875, 367: increase, 357. Cattle, in 1870, 915; in 1875, 10,652: increase, 9,737. Sheep, in 1870, 392; in 1875, 4,630: increase, 4,238. Swine, in 1870, 224; in 1875, 4,445: increase, 4,221.

Dogs.—Number of dogs in the county, 1,212; number of sheep killed by dogs, 30; value of sheep killed by dogs, \$69.90. Number of sheep killed by wolves, 32; value of sheep killed by wolves, \$74.56.

Horticulture.—Acres of nurseries, 2.25; orchards, 14.33; vineyards, 21.24.

Apiaculture.-Number of stands of bees, 8.

Fences.—Stone, 9,208 rods; cost, \$19,567. Rail, 166,390 rods; cost, \$232,946. Board, 7,311 rods; cost, \$10,966.50. Wire, 18,200 rods; cost, \$13,195. Hedge, 124,420 rods; cost, \$68,431. Total rods of fence, 325,529; total cost, \$345,105.50.

Herd Law.—The herd law not in force in this county. It is thought by our correspondent that its effect would be disastrous.

Manufactures.—Union Centre Township, water power grist mill, and broom factory. Howard Township, wagon factory. One steam grist mill at Paw Paw.

Banks.-L. L. Turner & Co., Elk Falls.

Newspapers.—The Ledger and Journal, at Elk Falls; and the Courant, at Longton, all weekly.

Schools, etc.—Organized school districts, 74; number of school houses, 59; value of school buildings and grounds, furniture and apparatus, \$20,907.

Churches.—Baptist: Organizations 9, membership 288.

 $\it Libraries.$ —Four townships of the 12 report 38 private libraries, containing 1,739 volumes.

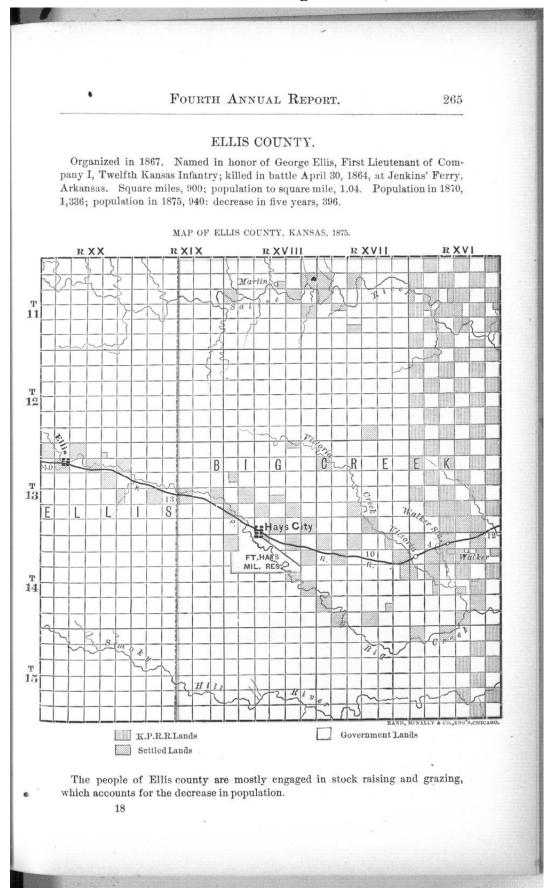
Lands.—The unsold lands are indicated on the accompanying map of the county.

Miscellaneous.—Garden produce sold, \$866; poultry and eggs sold, \$2,762.10; pounds of wool produced, 10,657.

Wages.—Farm laborers, per month, with board, \$15 to \$18; carpenters, \$2 to \$2.50 per day; bricklayers and stonemasons, \$2 to \$2.50 per day; wagon makers, \$1.50 to \$2 per day; blacksmiths, \$1.50 to \$2 per day; shoemakers, \$1.50 to \$2 per day; harness makers, \$2 to \$2.50 per day; clerks, \$20 to \$25 per month; tinners, \$1.50 to \$2 per day.

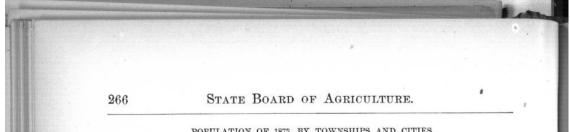
The vacant lands range from \$1.25 to \$4 per acre.







Transactions of the Kansas State Board of Agriculture, 1875



POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

Townships and Cities.	Pop.	TOWNSHIPS AND CITIES.	Pop.	TOWNSHIPS AND CITIES.	Pop.
Big Creek	678	Ellis	262		

Nativity -Born in the United States, 737; in Germany, 36; in Ireland, 51; in England and Wales, 37; in Scotland, 20; in Sweden, Norway and Denmark, 25; in France, 3; in North of Europe, 2; in Italy, 1; in South of Europe, 10; in British America, 13; in countries not specified, 5.

Sex.-Males, 528; females, 412.

WHERE FROM TO KANSAS.

Alabama	2	Michigan		West Virginia	3
Arkansas	2	Minnesota	3	Wisconsin	27
California	1	Missouri	125	Dist. of Columbia and the	
Colorado	10	Nebraska	7	Territories	16
onnecticut	2	Nevada	1	Germany	18
Georgia	2	New York	3	Ireland	5
Illinois		North Carolina	2	England and Wales	25
Indiana	33	Ohio	38	Scotland	13
Iowa	26	Pennsylvania	98	Sweden, Norway and Den-	
Kentucky	12	South Carolina	2	mark	17
Louisiana	4	Tennessee	4	Italy	1
Maine	î.	Texas	36	British America	2
Maryland	5	Vermont			
Massachusetts	10	Virginia	8		

Born in Kansas, 141; not otherwise stated, 3.

Occupation.—There are 83, or 23.7 per cent., engaged in Agriculture; 118, or 33.7 per cent., in Professional and Personal service; 68, or 19.4 per cent., in Trade and Transportation; 81, or 23.1 per cent., in Manufactures and Mining.

County Seat.—Hays City, the county seat, is 196 miles in an airline from Topeka, in a westerly direction.

Face of the Country. - Bottom lands, 15 per cent.; upland, 85 per cent.; forest, 1 per cent.; prairie, 99 per cent. Average width of bottoms, one mile; general surface of the country-southeastern portion, level; central portion, undulating; and the western portion, bluffy.

Timber.—The timber belts on the streams are quite insignificant. Varieties: ash, elm (white and red), box elder, cottonwood and hackberry.

Principal Streams.—The Smoky Hill river running through the southern tier of townships; the Saline through the northern tier of townships, and Big creek, a tributary of the Smoky, nearly through the centre; all running east, and diverging slightly to the south. There are some springs in the northern part of the county, but they are not numerous; well water is obtained in most localities at a depth of from 20 to 60 feet.

Coal.—A thin vein, said to have been discovered in the southeastern corner of the county, but the quality is very poor, and it has scarcely been used at all.

Building Stone, etc.—Magnesian limestone is found in great abundance in various parts of the county. It is easily worked, and is well adapted for building.

Railroad Connections.—The Kansas Pacific Railway runs from east to west through the county, about midway the centre and northern line. Principal stations, Hays City and Ellis.

Agricultural Statistics.—Acres in the county, 576,000; taxable acres, 35,544; under cultivation, 1,391.75; cultivated to taxable acres, 3.91 per cent.; decrease of culivated acres during the year, 277.25.



Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

267

ACREAGE, AVERAGE YIELDS, PRODUCT AND VALUE OF PRINCIPAL CROPS.

CROPS.	ACREAGE.	Average Yield.	PRODUCT.	PRICE.	VALUE OF PRODUCT.
Winter Wheatbu,	93.00	16.00	1,488	\$.98	\$ 1,458.24
Ryebu.	187 00	20.00	3,740	.55	2,057.00
Spring Wheatbu.	55.25	15.00	829	.80	663.20
Corn	422.00	38.00	16,796	.25	4,199.00
Barley bu. Oats bu. Potatoes, Irish bu.	63.50	20.00	1,270	1.20	1,524.00
Oatsbu.	209.00	25.00	5,225	.30	1,567.50
Potatoes, Irishbu.	10.25	95.00	974	.48	467.52
Sweet Potatoesbn.	1.00	130.00	130	1.50	195.00
Forghum gall. Flax bu.	15.50	100.00	1,550	.50	775.00
Flaxbu.	2.00	8.00	16	.95	15.20
Broom (orn	2.25	600.00	1,350	.04	54 00
Millet and Hungariantons	268.00	2.51	670	4.00	2,680.00
Timothytons	13.00	1.00	13	7.00	91.00
Clovertons	8.00	2.00	16	7.00	112.00
Prairietons	3.00	1.50	4	3.50	14.00

Dairy Products.—Butter manufactured in 1875, 2,050 lbs.

Farm Animals.—Number of horses, in 1875, 91. Mules and asses, in 1875, 14. Cattle, in 1875, 744. Sheep, in 1875, 5,120. Swine, in 1875, 4.

Dogs.—Number of dogs in the county, 50; number of sheep killed by dogs, 12; value of sheep killed by dogs, \$27.96. Number of sheep killed by wolves, 55; value of sheep killed by wolves, \$128.15.

Horticulture.—Acres of nurseries, 1; orchards, 4.87.

Fences.—Stone, 255 rods; cost, \$510. Board, 1,272 rods; cost, \$2,060.64. Wire, 200 rods; cost, \$190. Hedge, 1,840 rods; cost, \$1,012. Total rods of fence, 3,567; total cost, \$3,772.64.

Water Powers.—The Saline and Big creek are said to furnish good powers, but none have been utilized.

Manufactures.-No returns.

Banks.-H. Krueger & Bro., Hays City.

Newspapers.—The Hays City Sentinel, published weekly at Hays City.

Schools, etc.—Organized school districts, 2; school buildings, 3; value of school buildings and grounds, furniture and apparatus, \$10,280.

Churches.—Presbyterian: Organizations 1, membership 25, church property \$1,500. Congregational: Organizations 2, membership 20. Baptist: membership 15. Catholic: Organizations 2, membership 305, value of buildings \$600.

Libraries.—No report.

Lands.—The unsold lands are shown on the accompanying map of the county.

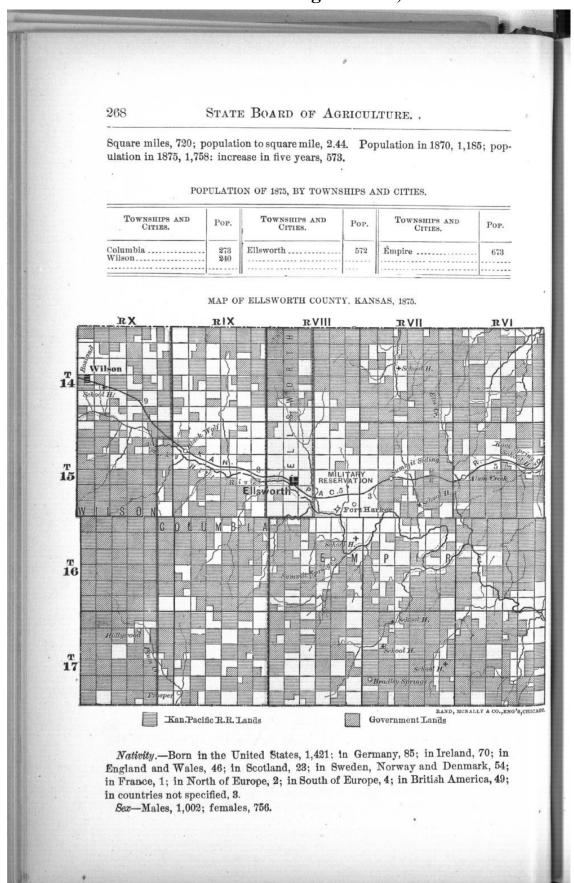
Miscellaneous.—Garden produce marketed, \$30; pounds of wool produced, 108.

The prices of vacant land range from \$3 to \$6 per acre.

ELLSWORTH COUNTY.

Organized in 1867. Named, it is supposed, in honor of Col. Ephraim E. Ellsworth, who first introduced the Zouave drill and organization into the United States, and who, among the first to enter the volunteer service in 1861, was killed on the 24th of May of that year while taking down a rebel flag at Alexandria, Virginia. It has been said, however, that Fort Ellsworth and the county were named in honor of an officer of that name, of an Iowa regiment, at one time in service on the frontier.







Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

269

WHERE FROM TO KANSAS.

Alabama		Mississippi	1	Virginia	24
Arkansas		Missouri		West Virginia	- 6
California		Nebraska	21	Wisconsin	93
Colorado	7	Nevada	4	Dist. of Columbia and the	
Connecticut	15	New Jersey	5	Territories	14
Georgia	1	New York	61	Germany	16
Illinois	224	North Carolina	5	Ireland	5
Indiana		Ohio	176	England and Wales	14
Iowa	26.1	Oregon	3	Scotland	9
Kentucky	6	Pennsylvania	63	Sweden, Norway and Den-	
Maine	8	Rhode Island	2	mark	18
Maryland	17	South Carolina	1	France	1
Massachusetts	6	Tennessee	13	Other North of Europe	
Michigan		Texas	30	Other South of Europe	
Minnesota	20	Vermont	11	British America	

Born in Kansas, 264.

Occupation.—There are 349, or 56.3 per cent., engaged in Agriculture; 119, or 19.2 per cent., in Professional and Personal service; 51, or 8.2 per cent., in Trade and Transportation; 100, or 16.1 per cent., in Manufactures and Mining.

County Seat.—Ellsworth, the county seat, is 141 miles in an air line from Topeka, in a westerly direction.

Face of the Country.—Bottom land, 8 per cent.; upland, 92 per cent.; forest, 1 per cent; prairie, 99 per cent. Width of bottoms, from one-fourth to one mile; general surface of the country, undulating; some portions bluffy.

Timber—The very limited amount of timber is confined to the streams. Varieties: oak, ash, elm, hackberry, walnut and box elder; on the Smoky Hill, generally cottonwood.

Principal Streams.—The Smoky Hill river, running a little south of east through the county, with its tributaries, Mule, Bluff, Turkey, Thompson's, Ash and other creeks. The county is well supplied with springs; good well water reached at from 20 to 60 feet.

Coal.—Prof. B. F. Mudge states that coal is found in the southwest part of the county, in one or two townships, near the surface, in veins from 20 to 30 inches in thickness. Very little has been mined. It is of poor quality; lignite. H. Inman, of Ellsworth, states that coal has been mined in township 14, range 9 west, in veins from seven inches to two feet in thickness, and at a depth of 45 feet below the surface; also, in town 3, range 10 west, at a depth of 200 feet, in a vein of from two to three feet in thickness. It is not now mined in either of the above places.

Building Stone, etc.—There is plenty of magnesian limestone in the northern tier of townships, and some in the south half of the county; quality rather poor. It is reported that hydraulic cement, mineral paint and fire and pottery clay have been discovered in different localities, but none of the discoveries have been utilized, and the information concerning them is vague.

Railroad Connections.—The Kansas Pacific Railway runs through the county from east to west, following the line of the Smoky Hill. Principal station, Ellsworth.

Agricultural Statistics.—Acres in the county, 460,800; taxable acres, 38,373; under cultivation, 9,810.26; cultivated to taxable acres, 25.56 per cent.: increase of cultivated acres during the year, 2,844.26.



Transactions of the Kansas State Board of Agriculture, 1875

	AND RESIDENCE OF THE PROPERTY OF THE PARTY O	F.A.
200	2 7	
270	STATE BOARD OF AGRICULTURE.	

CROPS.	ACREAGE.	AVERAGE YIELD.	Product.	PRICE.	VALUE OF PRODUCT.
Winter Wheatbu.	964.00	18.00	17,352	\$1.00	\$ 17,352.00
Ryebu.	809.00	20.00	16,180	.55	8,899.00
Spring Wheatbu.	1,195.50	15.00	17,932	.68	12,193 76
Cornbu.	3,205.00	39.00	124,995	.271/2	34,373.62
Barley bu. Oats bu.	304.50	20.00	- 6,090	1.20	7,308.00
Oatsbu.	771.50	25.00	19,287	.34	6,557.58
Buckwheatbu.	16.50	18.00	297	1.00	297.00
Potatoes, Irishbu.	51.37	120.00	6,164	.50	308.20
Sweet Potatoesbu.	.81	140.00	113	1.371/2	155.37
Sorghumgall.	44.00	105,00	4,620	55	2,541.00
Castor Beansbu.	.06	10.00	1	1.10	1.10
Flaxbu.	234.52	8.00	1.876	98	1,838.48
Broom Corn ths.	163.00	600.00	97,800	.04	3,912,00
Millet and Hungariantons	1,595.50	2.75	4,388	7.121/2	31,264.50

A CROP STATEMENT.

W. E. Fosnot, of Ellsworth, reports as follows:

Buckwheat: The first week in June, I sowed a field of buckwheat on upland prairie, upon which a crop of sod corn had been raised the year before. Plowed the latter part of last May with a twelve-inch stubble plow. The crop yielded twenty-five bushels of buckwheat to the acre. After harvest, the ground being in fine mellow condition, I sowed to fall wheat, which came up, and is doing well; while the ground upon which millet had been raised, being hard and lumpy, the wheat sown upon it at the same time did not come up.

Dairy Products.—Cheese manufactured in 1870, 10,150 lbs.; in 1875, 5,650 lbs.: decrease, 4,500 lbs Butter manufactured in 1870, 10,096 lbs.; in 1875, 32,211 lbs.: increase, 22,115 lbs.

Farm Animals.—Number of horses, in 1870, 187; in 1875, 887: increase, 700. Mules and asses, in 1870, 80; in 1875, 84: increase, 4. Cattle, in 1870, 2,051; in 1875, 7,011: increase, 4,960. Sheep, in 1870, 28; in 1875, 784: increase, 756. Swine, in 1870, 186; in 1875, 1,163: increase, 977.

Dogs.—Number of dogs in the county, 249; number of sheep killed by dogs, 6; value of sheep killed by dogs, \$13.98. Number of sheep killed by wolves, 33; value of sheep killed by wolves, \$76.89.

Horticulture.—Acres of nurseries, 13.25; orchards, 51.75.

Fences.—Stone, 1,210 rods; cost, \$2,420. Rail, 18,211 rods; cost, \$27,316.50. Board, 4,759 rods; cost, \$7,852.35. Wire, 2,300 rods; cost, \$2,242.50. Hedge, 1,755 rods; cost, \$965. Total rods of fence, 28,235; total cost, \$40,796.60.

Herd Law.—The herd law has been in force in the whole county since May last, and it has had a most beneficial effect; it has built up a grain and domestic stock trade, and has brought peace and prosperity to the county. "May it be the rule all over the State."

Water Powers.—Water powers are reported on the Smoky Hill, but none have been utilized.

Manufactures.—Ellsworth, one saw mill. Fort Harker, one cheese factory. Banks.—Banking house of D. W. Powers & Co., Ellsworth.

Business Houses of Principal Town.—City of Ellsworth: Agricultural implements and wagons, 2; books, periodicals and stationery, 3; boots and shoes, 2; clothing and tailoring, 6; confectionery, 2; carriage depositories, 3; dry goods, 2; drugs, oils and paints, 2; furniture and upholstery, 2; groceries, 5; gunsmith, 1; bardware, 2; between 2; investment clocks, reaches, etc., 2; lumber, 4; investment clocks, etc., 2; lumber, 4; lumber, 4; lumber, 4; lumber, 4; lumber, 4; lumber, 4; lumber,

hardware, 2; hats and caps, 3; jewelry, clocks, watches, etc., 3; lumber, 1; music and musical instruments, 1; millinery, 2; queensware, 2; saddles and harness, 1;



Transactions of the Kansas State Board of Agriculture, 1875

FOURTH ANNUAL REPORT.

271

sewing machines, 1; printing office, 1; livery stables, 5; blacksmiths, 2; all other mercantile pursuits, not herein mentioned, 10.

Newspapers.—The Ellsworth Reporter, published weekly, at Ellsworth.

Schools, etc.—Organized school districts, 18; school houses, 7; value of school buildings and grounds, furniture and apparatus, \$18,080.

Churches.—Presbyterian: Organizations 2, membership 45. Baptist: membership 25. Methodist: Organizations 1, membership 20. Episcopal: Organizations 1, membership 16, church edifices 1, valuation \$1,000. Catholic: Organizations 2, membership 280, edifices 1, valuation \$900.

 $\it Libraries. —$ But one township gives returns; this has six private libraries, with 510 volumes.

Lands.—Unsold lands in this county are shown on the accompanying map.

Miscellaneous.—Garden produce marketed, \$569; poultry and eggs sold, \$741; pounds of wool produced, 1,015.

Wages.—Farm laborers, with board, \$15 to \$25 per month; laborers in cities, \$1 to \$1.50 per day; carpenters, \$2 to \$3 per day; bricklayers and stonemasons, \$2 to \$3 per day; house painters, \$2 to \$3 per day; wagon makers, \$2 to \$3 per day; blacksmiths, \$3 per day; shoemakers, \$2 to \$3; printers, per day, \$2; per 1,000 ems, 40 cents; clerks, per month, \$50 to \$75; tinners, \$2 per day.

The price of vacant lands range from \$2 to \$6 per acre.

FORD COUNTY.

Organized in 1873. Named in honor of Col. James H. Ford, Colonel of the Second Colorado Cavalry, and Brevet Brigadier General U. S. Volunteers. Square miles, 1,080. Population to square mile, .75. Population in 1870, 427; population in 1875, 813: increase in five years 386.

POPULATION OF 1875, BY TOWNSHIPS AND CITIES.

TOWNSHIPS AND CITIES.	Pop.	Townships and Cities.	Pop.	TOWNSHIPS AND CITIES.	Pop.
Dodge	813				

Nativity.—Born in the United States, 608; in Germany, 25; in Ireland, 80; in England and Wales, 28; in Scotland, 9; in Sweden, Norway and Denmark, 8; in France, 4; in North of Europe, 1; in South of Europe, 5; in British America, 17; in countries not specified, 28.

Sex.-Males, 626; females, 187.

WHERE FROM TO KANSAS.

Alabama	1	Michigan	12	Texas	80
Arkansas	2	Minnesota	2	Vermont	
California	4	Mississippi	10	Virginia	8
Colorado	33	Missouri	157	West Virginia	
Connecticut	6	Nebraska	- 9	Wisconsin	12
Delaware	1	Nevada	2	Dist, of Columbia and the	
Georgia	1	New Hampshire	1	Territories	16
Illinois	52	New Jersey	2	Germany	4
Indiana	18	New York	59	Ireland	20
Iowa	51	North Carolina		England and Wales	16
Kentucky	6	Ohio	44	Scotland	5
Louisiana	29	Oregon		France	
Maine	4	Pennsylvania	18	Other North of Europe	
Maryland	3	Rhode Island	1	Other South of Europe	
Massachusetts	18	Tennessee	8	British America	7